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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

Lange Liste - Elemente zusammengefasst

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| Immissionsberechnung | Beurteilung nach TA Lärm (1998) | |
| Variante 0 | Einstellung: Referenzeinstellung | Nacht (22h-6h) |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt001 | IP A | 380966.46 | 5780561.88 | 57.278 | 36.84 |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 84.42 | 9.02 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.82 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 84.83 | 9.46 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.02 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 86.52 | 11.48 | 4.63 | 0.00 | 0.00 | 0.14 | 0.00 | | -4.76 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 85.16 | 9.82 | 4.75 | 0.00 | 0.00 | 0.02 | 0.00 | | -95.74 |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAi118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 88.53 | 0.92 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | | 13.21 |
| | 125 Hz | 102.50 | 0.00 | | 88.53 | 3.09 | -3.00 | 0.00 | 0.00 | 4.31 | 0.00 | | 9.57 |
| | 250 Hz | 99.20 | 0.00 | | 88.53 | 7.85 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 2.03 |
| | 500 Hz | 96.00 | 0.00 | | 88.53 | 14.50 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | | -6.55 |
| | 1000 Hz | 92.30 | 0.00 | | 88.53 | 27.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.75 |
| | 2000 Hz | 89.10 | 0.00 | | 88.53 | 72.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.14 |
| | 4000 Hz | 85.30 | 0.00 | | 88.53 | 246.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -246.81 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAi119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 88.75 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.51 |
| | 125 Hz | 105.50 | 0.00 | | 88.75 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.58 |
| | 250 Hz | 102.20 | 0.00 | | 88.75 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.40 |
| | 500 Hz | 99.00 | 0.00 | | 88.75 | 14.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.62 |
| | 1000 Hz | 95.30 | 0.00 | | 88.75 | 28.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.67 |
| | 2000 Hz | 92.10 | 0.00 | | 88.75 | 74.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.22 |
| | 4000 Hz | 88.30 | 0.00 | | 88.75 | 252.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -250.32 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAi120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 89.48 | 0.27 | -3.00 | 0.00 | 0.00 | 3.57 | 0.00 | | 30.08 |
| | 63 Hz | 116.40 | 0.00 | | 89.48 | 1.02 | -3.00 | 0.00 | 0.00 | 1.90 | 0.00 | | 26.99 |
| | 125 Hz | 110.70 | 0.00 | | 89.48 | 3.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.76 |
| | 250 Hz | 104.40 | 0.00 | | 89.48 | 8.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.15 |
| | 500 Hz | 101.20 | 0.00 | | 89.48 | 16.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.48 |
| | 1000 Hz | 99.40 | 0.00 | | 89.48 | 30.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.81 |
| | 2000 Hz | 93.80 | 0.00 | | 89.48 | 81.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.87 |
| | 4000 Hz | 86.70 | 0.00 | | 89.48 | 275.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -275.08 |
| | 8000 Hz | 78.40 | 0.00 | | 89.48 | 981.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -989.98 |

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| WEAi121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.90 | 0.20 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 32.95 |
| | 63 Hz | 116.40 | 0.00 | | 86.90 | 0.76 | -3.00 | 0.00 | 0.00 | 1.20 | 0.00 | | 30.54 |
| | 125 Hz | 110.70 | 0.00 | | 86.90 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.23 |
| | 250 Hz | 104.40 | 0.00 | | 86.90 | 6.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.98 |
| | 500 Hz | 101.20 | 0.00 | | 86.90 | 12.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.26 |
| | 1000 Hz | 99.40 | 0.00 | | 86.90 | 22.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.33 |
| | 2000 Hz | 93.80 | 0.00 | | 86.90 | 60.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.43 |
| | 4000 Hz | 86.70 | 0.00 | | 86.90 | 204.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -201.77 |
| | 8000 Hz | 78.40 | 0.00 | | 86.90 | 729.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -735.11 |

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| WEAi122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 89.07 | 0.26 | -3.00 | 0.00 | 0.00 | 3.51 | 0.00 | | 30.57 |
| | 63 Hz | 116.40 | 0.00 | | 89.07 | 0.97 | -3.00 | 0.00 | 0.00 | 1.71 | 0.00 | | 27.65 |
| | 125 Hz | 110.70 | 0.00 | | 89.07 | 3.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.34 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 89.07 | 8.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.98 |
| | 500 Hz | 101.20 | 0.00 | | 89.07 | 15.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.30 |
| | 1000 Hz | 99.40 | 0.00 | | 89.07 | 29.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.95 |
| | 2000 Hz | 93.80 | 0.00 | | 89.07 | 77.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.65 |
| | 4000 Hz | 86.70 | 0.00 | | 89.07 | 262.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -261.78 |
| | 8000 Hz | 78.40 | 0.00 | | 89.07 | 935.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -943.58 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 89.36 | 0.27 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 30.21 |
| | 63 Hz | 116.40 | 0.00 | | 89.36 | 1.01 | -3.00 | 0.00 | 0.00 | 1.88 | 0.00 | | 27.16 |
| | 125 Hz | 110.70 | 0.00 | | 89.36 | 3.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.94 |
| | 250 Hz | 104.40 | 0.00 | | 89.36 | 8.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.40 |
| | 500 Hz | 101.20 | 0.00 | | 89.36 | 15.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.12 |
| | 1000 Hz | 99.40 | 0.00 | | 89.36 | 30.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.24 |
| | 2000 Hz | 93.80 | 0.00 | | 89.36 | 80.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.58 |
| | 4000 Hz | 86.70 | 0.00 | | 89.36 | 271.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -271.01 |
| | 8000 Hz | 78.40 | 0.00 | | 89.36 | 967.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -975.78 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.35 | 0.24 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 31.42 |
| | 63 Hz | 116.40 | 0.00 | | 88.35 | 0.90 | -3.00 | 0.00 | 0.00 | 1.40 | 0.00 | | 28.76 |
| | 125 Hz | 110.70 | 0.00 | | 88.35 | 3.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.33 |
| | 250 Hz | 104.40 | 0.00 | | 88.35 | 7.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.37 |
| | 500 Hz | 101.20 | 0.00 | | 88.35 | 14.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.65 |
| | 1000 Hz | 99.40 | 0.00 | | 88.35 | 26.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.89 |
| | 2000 Hz | 93.80 | 0.00 | | 88.35 | 71.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.75 |
| | 4000 Hz | 86.70 | 0.00 | | 88.35 | 241.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -240.10 |
| | 8000 Hz | 78.40 | 0.00 | | 88.35 | 861.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -868.12 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.55 | 0.24 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 31.19 |
| | 63 Hz | 116.40 | 0.00 | | 88.55 | 0.92 | -3.00 | 0.00 | 0.00 | 1.47 | 0.00 | | 28.47 |
| | 125 Hz | 110.70 | 0.00 | | 88.55 | 3.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.06 |
| | 250 Hz | 104.40 | 0.00 | | 88.55 | 7.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.99 |
| | 500 Hz | 101.20 | 0.00 | | 88.55 | 14.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.12 |
| | 1000 Hz | 99.40 | 0.00 | | 88.55 | 27.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.72 |
| | 2000 Hz | 93.80 | 0.00 | | 88.55 | 72.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.61 |
| | 4000 Hz | 86.70 | 0.00 | | 88.55 | 247.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -245.92 |
| | 8000 Hz | 78.40 | 0.00 | | 88.55 | 881.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -888.39 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 89.13 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.01 |
| | 63 Hz | 116.40 | 0.00 | | 89.13 | 0.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.29 |
| | 125 Hz | 110.70 | 0.00 | | 89.13 | 3.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.26 |
| | 250 Hz | 104.40 | 0.00 | | 89.13 | 8.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.86 |
| | 500 Hz | 101.20 | 0.00 | | 89.13 | 15.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.47 |
| | 1000 Hz | 99.40 | 0.00 | | 89.13 | 29.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.22 |
| | 2000 Hz | 93.80 | 0.00 | | 89.13 | 77.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.25 |
| | 4000 Hz | 86.70 | 0.00 | | 89.13 | 264.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -263.67 |
| | 8000 Hz | 78.40 | 0.00 | | 89.13 | 942.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -950.18 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.60 | 0.24 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 31.13 |
| | 63 Hz | 116.40 | 0.00 | | 88.60 | 0.92 | -3.00 | 0.00 | 0.00 | 1.49 | 0.00 | | 28.39 |
| | 125 Hz | 110.70 | 0.00 | | 88.60 | 3.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.99 |
| | 250 Hz | 104.40 | 0.00 | | 88.60 | 7.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.89 |
| | 500 Hz | 101.20 | 0.00 | | 88.60 | 14.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.99 |
| | 1000 Hz | 99.40 | 0.00 | | 88.60 | 27.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.93 |
| | 2000 Hz | 93.80 | 0.00 | | 88.60 | 73.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.08 |
| | 4000 Hz | 86.70 | 0.00 | | 88.60 | 248.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -247.42 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 88.60 | 886.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -893.60 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 88.40 | 0.24 | -3.00 | 0.00 | 0.00 | 3.41 | 0.00 | | 28.06 |
| | 63 Hz | 113.10 | 0.00 | | 88.40 | 0.90 | -3.00 | 0.00 | 0.00 | 1.40 | 0.00 | | 25.39 |
| | 125 Hz | 107.40 | 0.00 | | 88.40 | 3.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.95 |
| | 250 Hz | 101.10 | 0.00 | | 88.40 | 7.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.96 |
| | 500 Hz | 97.90 | 0.00 | | 88.40 | 14.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.79 |
| | 1000 Hz | 96.10 | 0.00 | | 88.40 | 27.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.42 |
| | 2000 Hz | 90.50 | 0.00 | | 88.40 | 71.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.56 |
| | 4000 Hz | 83.40 | 0.00 | | 88.40 | 243.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -245.00 |
| | 8000 Hz | 75.10 | 0.00 | | 88.40 | 866.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -877.01 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.89 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.26 |
| | 63 Hz | 116.40 | 0.00 | | 88.89 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.56 |
| | 125 Hz | 110.70 | 0.00 | | 88.89 | 3.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.59 |
| | 250 Hz | 104.40 | 0.00 | | 88.89 | 8.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.33 |
| | 500 Hz | 101.20 | 0.00 | | 88.89 | 15.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.20 |
| | 1000 Hz | 99.40 | 0.00 | | 88.89 | 28.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.17 |
| | 2000 Hz | 93.80 | 0.00 | | 88.89 | 75.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.88 |
| | 4000 Hz | 86.70 | 0.00 | | 88.89 | 257.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -256.21 |
| | 8000 Hz | 78.40 | 0.00 | | 88.89 | 916.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -924.20 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 89.36 | 0.27 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | | 29.26 |
| | 63 Hz | 116.40 | 0.00 | | 89.36 | 1.01 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 24.78 |
| | 125 Hz | 110.70 | 0.00 | | 89.36 | 3.40 | -3.00 | 0.00 | 0.00 | 3.68 | 0.00 | | 17.26 |
| | 250 Hz | 104.40 | 0.00 | | 89.36 | 8.64 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | | 7.17 |
| | 500 Hz | 101.20 | 0.00 | | 89.36 | 15.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.11 |
| | 1000 Hz | 99.40 | 0.00 | | 89.36 | 30.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.23 |
| | 2000 Hz | 93.80 | 0.00 | | 89.36 | 80.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.56 |
| | 4000 Hz | 86.70 | 0.00 | | 89.36 | 271.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -270.96 |
| | 8000 Hz | 78.40 | 0.00 | | 89.36 | 967.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -975.59 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 82.44 | 0.45 | -3.00 | 0.00 | 0.00 | 3.66 | 0.00 | | 25.14 |
| | 125 Hz | 104.80 | 0.00 | | 82.44 | 1.53 | -3.00 | 0.00 | 0.00 | 2.19 | 0.00 | | 21.63 |
| | 250 Hz | 101.50 | 0.00 | | 82.44 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.16 |
| | 500 Hz | 97.10 | 0.00 | | 82.44 | 7.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.46 |
| | 1000 Hz | 91.00 | 0.00 | | 82.44 | 13.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.10 |
| | 2000 Hz | 86.30 | 0.00 | | 82.44 | 36.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.23 |
| | 4000 Hz | 80.30 | 0.00 | | 82.44 | 122.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.52 |
| | 8000 Hz | 74.00 | 0.00 | | 82.44 | 436.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -441.93 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 82.68 | 0.12 | -3.00 | 0.00 | 0.00 | 4.27 | 0.00 | | 30.93 |
| | 63 Hz | 113.00 | 0.00 | | 82.68 | 0.47 | -3.00 | 0.00 | 0.00 | 3.70 | 0.00 | | 29.15 |
| | 125 Hz | 108.60 | 0.00 | | 82.68 | 1.58 | -3.00 | 0.00 | 0.00 | 2.30 | 0.00 | | 25.04 |
| | 250 Hz | 105.70 | 0.00 | | 82.68 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.01 |
| | 500 Hz | 101.70 | 0.00 | | 82.68 | 7.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.62 |
| | 1000 Hz | 95.50 | 0.00 | | 82.68 | 14.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.78 |
| | 2000 Hz | 89.70 | 0.00 | | 82.68 | 37.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.08 |
| | 4000 Hz | 82.20 | 0.00 | | 82.68 | 125.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -123.29 |
| | 8000 Hz | 74.00 | 0.00 | | 82.68 | 448.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -454.38 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 82.08 | 0.11 | -3.00 | 0.00 | 0.00 | 4.15 | 0.00 | | 31.66 |
| | 63 Hz | 113.00 | 0.00 | | 82.08 | 0.44 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 30.06 |
| | 125 Hz | 108.60 | 0.00 | | 82.08 | 1.47 | -3.00 | 0.00 | 0.00 | 1.51 | 0.00 | | 26.54 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 105.70 | 0.00 | | 82.08 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.89 |
| | 500 Hz | 101.70 | 0.00 | | 82.08 | 6.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.72 |
| | 1000 Hz | 95.50 | 0.00 | | 82.08 | 13.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.33 |
| | 2000 Hz | 89.70 | 0.00 | | 82.08 | 34.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.98 |
| | 4000 Hz | 82.20 | 0.00 | | 82.08 | 117.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.23 |
| | 8000 Hz | 74.00 | 0.00 | | 82.08 | 418.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -423.64 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 84.10 | 0.14 | -3.00 | 0.00 | 0.00 | 4.53 | 0.00 | | 29.12 |
| | 63 Hz | 111.30 | 0.00 | | 84.10 | 0.55 | -3.00 | 0.00 | 0.00 | 4.28 | 0.00 | | 25.37 |
| | 125 Hz | 107.40 | 0.00 | | 84.10 | 1.86 | -3.00 | 0.00 | 0.00 | 3.73 | 0.00 | | 20.71 |
| | 250 Hz | 102.80 | 0.00 | | 84.10 | 4.71 | -3.00 | 0.00 | 0.00 | 2.37 | 0.00 | | 14.62 |
| | 500 Hz | 99.70 | 0.00 | | 84.10 | 8.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.89 |
| | 1000 Hz | 96.60 | 0.00 | | 84.10 | 16.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.03 |
| | 2000 Hz | 91.70 | 0.00 | | 84.10 | 43.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.07 |
| | 4000 Hz | 85.00 | 0.00 | | 84.10 | 148.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.19 |
| | 8000 Hz | 87.30 | 0.00 | | 84.10 | 528.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -522.00 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.37 | 0.51 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | | 26.57 |
| | 125 Hz | 108.60 | 0.00 | | 83.37 | 1.71 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 22.41 |
| | 250 Hz | 103.40 | 0.00 | | 83.37 | 4.33 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 15.35 |
| | 500 Hz | 99.10 | 0.00 | | 83.37 | 8.01 | -3.00 | 0.00 | 0.00 | 1.22 | 0.00 | | 9.51 |
| | 1000 Hz | 98.00 | 0.00 | | 83.37 | 15.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.44 |
| | 2000 Hz | 89.80 | 0.00 | | 83.37 | 40.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.71 |
| | 4000 Hz | 85.30 | 0.00 | | 83.37 | 136.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.18 |
| | 8000 Hz | 80.10 | 0.00 | | 83.37 | 485.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -485.75 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.03 | 0.13 | -3.00 | 0.00 | 0.00 | 4.62 | 0.00 | | 33.83 |
| | 63 Hz | 112.30 | 0.00 | | 83.03 | 0.49 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 27.32 |
| | 125 Hz | 108.10 | 0.00 | | 83.03 | 1.64 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | 22.30 |
| | 250 Hz | 103.50 | 0.00 | | 83.03 | 4.17 | -3.00 | 0.00 | 0.00 | 3.38 | 0.00 | | 15.92 |
| | 500 Hz | 100.70 | 0.00 | | 83.03 | 7.70 | -3.00 | 0.00 | 0.00 | 1.34 | 0.00 | | 11.64 |
| | 1000 Hz | 98.30 | 0.00 | | 83.03 | 14.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.66 |
| | 2000 Hz | 93.80 | 0.00 | | 83.03 | 38.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.83 |
| | 4000 Hz | 86.20 | 0.00 | | 83.03 | 130.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.74 |
| | 8000 Hz | 78.20 | 0.00 | | 83.03 | 466.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -468.75 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 83.41 | 0.13 | -3.00 | 0.00 | 0.00 | 3.74 | 0.00 | | 32.31 |
| | 63 Hz | 111.70 | 0.00 | | 83.41 | 0.51 | -3.00 | 0.00 | 0.00 | 2.39 | 0.00 | | 28.39 |
| | 125 Hz | 106.40 | 0.00 | | 83.41 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.27 |
| | 250 Hz | 102.10 | 0.00 | | 83.41 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.33 |
| | 500 Hz | 99.10 | 0.00 | | 83.41 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.64 |
| | 1000 Hz | 96.90 | 0.00 | | 83.41 | 15.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.22 |
| | 2000 Hz | 90.50 | 0.00 | | 83.41 | 40.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.26 |
| | 4000 Hz | 81.00 | 0.00 | | 83.41 | 136.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.25 |
| | 8000 Hz | 76.50 | 0.00 | | 83.41 | 488.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -491.95 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 82.44 | 0.12 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | | 34.40 |
| | 63 Hz | 110.40 | 0.00 | | 82.44 | 0.45 | -3.00 | 0.00 | 0.00 | 4.30 | 0.00 | | 26.21 |
| | 125 Hz | 107.20 | 0.00 | | 82.44 | 1.53 | -3.00 | 0.00 | 0.00 | 3.78 | 0.00 | | 22.45 |
| | 250 Hz | 101.70 | 0.00 | | 82.44 | 3.89 | -3.00 | 0.00 | 0.00 | 2.51 | 0.00 | | 15.87 |
| | 500 Hz | 98.20 | 0.00 | | 82.44 | 7.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.57 |
| | 1000 Hz | 95.60 | 0.00 | | 82.44 | 13.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.52 |
| | 2000 Hz | 93.70 | 0.00 | | 82.44 | 36.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.79 |
| | 4000 Hz | 90.70 | 0.00 | | 82.44 | 122.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -111.01 |
| | 8000 Hz | 79.50 | 0.00 | | 82.44 | 436.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.04 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 76.62 | 0.06 | -3.00 | 0.00 | 0.00 | 2.71 | 0.00 | | 37.41 |
| | 63 Hz | 111.60 | 0.00 | | 76.62 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.74 |
| | 125 Hz | 108.60 | 0.00 | | 76.62 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.19 |
| | 250 Hz | 106.50 | 0.00 | | 76.62 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.88 |
| | 500 Hz | 102.90 | 0.00 | | 76.62 | 3.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.59 |
| | 1000 Hz | 99.60 | 0.00 | | 76.62 | 6.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.99 |
| | 2000 Hz | 95.90 | 0.00 | | 76.62 | 18.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.81 |
| | 4000 Hz | 90.10 | 0.00 | | 76.62 | 62.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.14 |
| | 8000 Hz | 76.30 | 0.00 | | 76.62 | 223.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.67 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.30 | 0.07 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | | 35.03 |
| | 63 Hz | 111.60 | 0.00 | | 78.30 | 0.28 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | | 34.65 |
| | 125 Hz | 108.60 | 0.00 | | 78.30 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.35 |
| | 250 Hz | 106.50 | 0.00 | | 78.30 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.79 |
| | 500 Hz | 102.90 | 0.00 | | 78.30 | 4.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.14 |
| | 1000 Hz | 99.60 | 0.00 | | 78.30 | 8.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.83 |
| | 2000 Hz | 95.90 | 0.00 | | 78.30 | 22.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.79 |
| | 4000 Hz | 90.10 | 0.00 | | 78.30 | 75.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.14 |
| | 8000 Hz | 76.30 | 0.00 | | 78.30 | 270.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -269.84 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 74.26 | 0.05 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | | 40.42 |
| | 63 Hz | 111.60 | 0.00 | | 74.26 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.16 |
| | 125 Hz | 108.60 | 0.00 | | 74.26 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.74 |
| | 250 Hz | 106.50 | 0.00 | | 74.26 | 1.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.72 |
| | 500 Hz | 102.90 | 0.00 | | 74.26 | 2.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.83 |
| | 1000 Hz | 99.60 | 0.00 | | 74.26 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.01 |
| | 2000 Hz | 95.90 | 0.00 | | 74.26 | 14.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.56 |
| | 4000 Hz | 90.10 | 0.00 | | 74.26 | 47.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.89 |
| | 8000 Hz | 76.30 | 0.00 | | 74.26 | 170.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -165.18 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 76.19 | 0.06 | -3.00 | 0.00 | 0.00 | 0.50 | 0.00 | | 40.06 |
| | 63 Hz | 111.60 | 0.00 | | 76.19 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.19 |
| | 125 Hz | 108.60 | 0.00 | | 76.19 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.67 |
| | 250 Hz | 106.50 | 0.00 | | 76.19 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.42 |
| | 500 Hz | 102.90 | 0.00 | | 76.19 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.21 |
| | 1000 Hz | 99.60 | 0.00 | | 76.19 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.77 |
| | 2000 Hz | 95.90 | 0.00 | | 76.19 | 17.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.15 |
| | 4000 Hz | 90.10 | 0.00 | | 76.19 | 59.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.65 |
| | 8000 Hz | 76.30 | 0.00 | | 76.19 | 212.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -209.31 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.56 | 0.08 | -3.00 | 0.00 | 0.00 | 2.77 | 0.00 | | 35.40 |
| | 63 Hz | 111.60 | 0.00 | | 78.56 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.75 |
| | 125 Hz | 108.60 | 0.00 | | 78.56 | 0.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.06 |
| | 250 Hz | 106.50 | 0.00 | | 78.56 | 2.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.45 |
| | 500 Hz | 102.90 | 0.00 | | 78.56 | 4.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.74 |
| | 1000 Hz | 99.60 | 0.00 | | 78.56 | 8.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.31 |
| | 2000 Hz | 95.90 | 0.00 | | 78.56 | 23.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.73 |
| | 4000 Hz | 90.10 | 0.00 | | 78.56 | 78.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.69 |
| | 8000 Hz | 76.30 | 0.00 | | 78.56 | 279.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -278.28 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 76.03 | 0.06 | -3.00 | 0.00 | 0.00 | 0.49 | 0.00 | | 40.23 |
| | 63 Hz | 111.60 | 0.00 | | 76.03 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.35 |
| | 125 Hz | 108.60 | 0.00 | | 76.03 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.84 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.50 | 0.00 | | 76.03 | 1.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.61 |
| | 500 Hz | 102.90 | 0.00 | | 76.03 | 3.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.43 |
| | 1000 Hz | 99.60 | 0.00 | | 76.03 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.04 |
| | 2000 Hz | 95.90 | 0.00 | | 76.03 | 17.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.62 |
| | 4000 Hz | 90.10 | 0.00 | | 76.03 | 58.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.42 |
| | 8000 Hz | 76.30 | 0.00 | | 76.03 | 208.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.35 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.32 | 0.07 | -3.00 | 0.00 | 0.00 | 0.91 | 0.00 | | 37.49 |
| | 63 Hz | 111.60 | 0.00 | | 78.32 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.99 |
| | 125 Hz | 108.60 | 0.00 | | 78.32 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.32 |
| | 250 Hz | 106.50 | 0.00 | | 78.32 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.75 |
| | 500 Hz | 102.90 | 0.00 | | 78.32 | 4.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.10 |
| | 1000 Hz | 99.60 | 0.00 | | 78.32 | 8.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.78 |
| | 2000 Hz | 95.90 | 0.00 | | 78.32 | 22.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.89 |
| | 4000 Hz | 90.10 | 0.00 | | 78.32 | 76.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.39 |
| | 8000 Hz | 76.30 | 0.00 | | 78.32 | 271.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -270.69 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.37 | 0.08 | -3.00 | 0.00 | 0.00 | 1.04 | 0.00 | | 36.31 |
| | 63 Hz | 111.60 | 0.00 | | 79.37 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.91 |
| | 125 Hz | 108.60 | 0.00 | | 79.37 | 1.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.15 |
| | 250 Hz | 106.50 | 0.00 | | 79.37 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.40 |
| | 500 Hz | 102.90 | 0.00 | | 79.37 | 5.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.48 |
| | 1000 Hz | 99.60 | 0.00 | | 79.37 | 9.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.64 |
| | 2000 Hz | 95.90 | 0.00 | | 79.37 | 25.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.80 |
| | 4000 Hz | 90.10 | 0.00 | | 79.37 | 85.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.17 |
| | 8000 Hz | 76.30 | 0.00 | | 79.37 | 306.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -306.46 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 82.25 | 0.44 | -3.00 | 0.00 | 0.00 | 4.39 | 0.00 | | -77.18 |
| | 125 Hz | 5.20 | 0.00 | | 82.25 | 1.50 | -3.00 | 0.00 | 0.00 | 3.98 | 0.00 | | -79.53 |
| | 250 Hz | 1.90 | 0.00 | | 82.25 | 3.81 | -3.00 | 0.00 | 0.00 | 3.02 | 0.00 | | -84.17 |
| | 500 Hz | -1.30 | 0.00 | | 82.25 | 7.04 | -3.00 | 0.00 | 0.00 | 0.03 | 0.00 | | -87.61 |
| | 1000 Hz | -5.00 | 0.00 | | 82.25 | 13.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.60 |
| | 2000 Hz | -8.20 | 0.00 | | 82.25 | 35.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.73 |
| | 4000 Hz | -12.00 | 0.00 | | 82.25 | 119.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -210.91 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 86.71 | 0.74 | -3.00 | 0.00 | 0.00 | 1.59 | 0.00 | | 22.15 |
| | 125 Hz | 106.50 | 0.00 | | 86.71 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.28 |
| | 250 Hz | 103.20 | 0.00 | | 86.71 | 6.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.12 |
| | 500 Hz | 100.00 | 0.00 | | 86.71 | 11.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.53 |
| | 1000 Hz | 96.30 | 0.00 | | 86.71 | 22.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.73 |
| | 2000 Hz | 93.10 | 0.00 | | 86.71 | 58.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.59 |
| | 4000 Hz | 89.30 | 0.00 | | 86.71 | 200.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.43 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 89.19 | 0.26 | -3.00 | 0.00 | 0.00 | 3.55 | 0.00 | | 24.81 |
| | 63 Hz | 110.90 | 0.00 | | 89.19 | 0.99 | -3.00 | 0.00 | 0.00 | 1.83 | 0.00 | | 21.89 |
| | 125 Hz | 108.00 | 0.00 | | 89.19 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.48 |
| | 250 Hz | 103.80 | 0.00 | | 89.19 | 8.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.14 |
| | 500 Hz | 101.90 | 0.00 | | 89.19 | 15.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.07 |
| | 1000 Hz | 98.90 | 0.00 | | 89.19 | 29.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.98 |
| | 2000 Hz | 94.60 | 0.00 | | 89.19 | 78.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.04 |
| | 4000 Hz | 88.20 | 0.00 | | 89.19 | 266.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -264.03 |
| | 8000 Hz | 78.80 | 0.00 | | 89.19 | 948.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -956.26 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 88.65 | 0.24 | -3.00 | 0.00 | 0.00 | 3.48 | 0.00 | | 25.43 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 110.90 | 0.00 | | 88.65 | 0.93 | -3.00 | 0.00 | 0.00 | 1.62 | 0.00 | | 22.70 |
| | 125 Hz | 108.00 | 0.00 | | 88.65 | 3.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.21 |
| | 250 Hz | 103.80 | 0.00 | | 88.65 | 7.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.18 |
| | 500 Hz | 101.90 | 0.00 | | 88.65 | 14.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.54 |
| | 1000 Hz | 98.90 | 0.00 | | 88.65 | 27.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.67 |
| | 2000 Hz | 94.60 | 0.00 | | 88.65 | 73.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.82 |
| | 4000 Hz | 88.20 | 0.00 | | 88.65 | 250.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -247.60 |
| | 8000 Hz | 78.80 | 0.00 | | 88.65 | 892.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -899.04 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 88.89 | 0.25 | -3.00 | 0.00 | 0.00 | 3.49 | 0.00 | | 25.16 |
| | 63 Hz | 110.90 | 0.00 | | 88.89 | 0.95 | -3.00 | 0.00 | 0.00 | 1.68 | 0.00 | | 22.38 |
| | 125 Hz | 108.00 | 0.00 | | 88.89 | 3.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.88 |
| | 250 Hz | 103.80 | 0.00 | | 88.89 | 8.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.72 |
| | 500 Hz | 101.90 | 0.00 | | 88.89 | 15.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.88 |
| | 1000 Hz | 98.90 | 0.00 | | 88.89 | 28.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.69 |
| | 2000 Hz | 94.60 | 0.00 | | 88.89 | 75.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.13 |
| | 4000 Hz | 88.20 | 0.00 | | 88.89 | 257.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -254.86 |
| | 8000 Hz | 78.80 | 0.00 | | 88.89 | 917.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -924.33 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 88.23 | 0.23 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 25.94 |
| | 63 Hz | 110.90 | 0.00 | | 88.23 | 0.89 | -3.00 | 0.00 | 0.00 | 1.38 | 0.00 | | 23.40 |
| | 125 Hz | 108.00 | 0.00 | | 88.23 | 2.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.78 |
| | 250 Hz | 103.80 | 0.00 | | 88.23 | 7.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.98 |
| | 500 Hz | 101.90 | 0.00 | | 88.23 | 14.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.65 |
| | 1000 Hz | 98.90 | 0.00 | | 88.23 | 26.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.93 |
| | 2000 Hz | 94.60 | 0.00 | | 88.23 | 70.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.92 |
| | 4000 Hz | 88.20 | 0.00 | | 88.23 | 238.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -235.39 |
| | 8000 Hz | 78.80 | 0.00 | | 88.23 | 850.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -856.55 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 86.51 | 0.19 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 35.14 |
| | 63 Hz | 122.10 | 0.00 | | 86.51 | 0.73 | -3.00 | 0.00 | 0.00 | 1.23 | 0.00 | | 36.63 |
| | 125 Hz | 115.00 | 0.00 | | 86.51 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.03 |
| | 250 Hz | 108.00 | 0.00 | | 86.51 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.26 |
| | 500 Hz | 103.90 | 0.00 | | 86.51 | 11.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.88 |
| | 1000 Hz | 101.60 | 0.00 | | 86.51 | 21.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.74 |
| | 2000 Hz | 96.70 | 0.00 | | 86.51 | 57.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.48 |
| | 4000 Hz | 88.60 | 0.00 | | 86.51 | 195.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.48 |
| | 8000 Hz | 80.90 | 0.00 | | 86.51 | 697.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -700.12 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 86.96 | 0.76 | -3.00 | 0.00 | 0.00 | 1.46 | 0.00 | | 26.31 |
| | 125 Hz | 109.80 | 0.00 | | 86.96 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.26 |
| | 250 Hz | 107.40 | 0.00 | | 86.96 | 6.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.89 |
| | 500 Hz | 101.60 | 0.00 | | 86.96 | 12.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.53 |
| | 1000 Hz | 94.50 | 0.00 | | 86.96 | 22.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.44 |
| | 2000 Hz | 88.00 | 0.00 | | 86.96 | 60.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.67 |
| | 4000 Hz | 85.30 | 0.00 | | 86.96 | 205.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.55 |
| | 8000 Hz | 79.90 | 0.00 | | 86.96 | 734.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -738.39 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 87.13 | 0.78 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 27.40 |
| | 125 Hz | 110.80 | 0.00 | | 87.13 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.04 |
| | 250 Hz | 105.10 | 0.00 | | 87.13 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.29 |
| | 500 Hz | 102.60 | 0.00 | | 87.13 | 12.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.12 |
| | 1000 Hz | 99.60 | 0.00 | | 87.13 | 23.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.96 |
| | 2000 Hz | 93.10 | 0.00 | | 87.13 | 61.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.93 |
| | 4000 Hz | 80.70 | 0.00 | | 87.13 | 209.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -213.35 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 77.00 | 0.00 | | 87.13 | 748.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -755.84 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 87.32 | 0.80 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 27.20 |
| | 125 Hz | 110.80 | 0.00 | | 87.32 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.80 |
| | 250 Hz | 105.10 | 0.00 | | 87.32 | 6.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.96 |
| | 500 Hz | 102.60 | 0.00 | | 87.32 | 12.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.67 |
| | 1000 Hz | 99.60 | 0.00 | | 87.32 | 23.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.65 |
| | 2000 Hz | 93.10 | 0.00 | | 87.32 | 63.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.46 |
| | 4000 Hz | 80.70 | 0.00 | | 87.32 | 214.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -218.08 |
| | 8000 Hz | 77.00 | 0.00 | | 87.32 | 764.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -772.25 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 87.46 | 0.81 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 27.04 |
| | 125 Hz | 110.80 | 0.00 | | 87.46 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.60 |
| | 250 Hz | 105.10 | 0.00 | | 87.46 | 6.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.69 |
| | 500 Hz | 102.60 | 0.00 | | 87.46 | 12.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.31 |
| | 1000 Hz | 99.60 | 0.00 | | 87.46 | 24.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.21 |
| | 2000 Hz | 93.10 | 0.00 | | 87.46 | 64.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.69 |
| | 4000 Hz | 80.70 | 0.00 | | 87.46 | 218.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.90 |
| | 8000 Hz | 77.00 | 0.00 | | 87.46 | 778.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -785.47 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 86.63 | 0.74 | -3.00 | 0.00 | 0.00 | 1.36 | 0.00 | | 22.67 |
| | 125 Hz | 104.80 | 0.00 | | 86.63 | 2.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.69 |
| | 250 Hz | 99.40 | 0.00 | | 86.63 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.46 |
| | 500 Hz | 95.00 | 0.00 | | 86.63 | 11.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.28 |
| | 1000 Hz | 93.20 | 0.00 | | 86.63 | 22.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.54 |
| | 2000 Hz | 89.10 | 0.00 | | 86.63 | 58.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.97 |
| | 4000 Hz | 83.90 | 0.00 | | 86.63 | 198.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.90 |
| | 8000 Hz | 82.20 | 0.00 | | 86.63 | 706.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -708.23 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.91 | 1.21 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | | 22.23 |
| | 125 Hz | 111.00 | 0.00 | | 90.91 | 4.07 | -3.00 | 0.00 | 0.00 | 2.96 | 0.00 | | 16.06 |
| | 250 Hz | 106.60 | 0.00 | | 90.91 | 10.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.36 |
| | 500 Hz | 103.70 | 0.00 | | 90.91 | 19.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.30 |
| | 1000 Hz | 99.80 | 0.00 | | 90.91 | 36.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.33 |
| | 2000 Hz | 95.60 | 0.00 | | 90.91 | 95.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.01 |
| | 4000 Hz | 86.90 | 0.00 | | 90.91 | 324.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -325.54 |
| | 8000 Hz | 65.40 | 0.00 | | 90.91 | 1157.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1179.97 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.34 | 1.13 | -3.00 | 0.00 | 0.00 | 3.98 | 0.00 | | 22.85 |
| | 125 Hz | 111.00 | 0.00 | | 90.34 | 3.81 | -3.00 | 0.00 | 0.00 | 3.03 | 0.00 | | 16.81 |
| | 250 Hz | 106.60 | 0.00 | | 90.34 | 9.67 | -3.00 | 0.00 | 0.00 | 0.09 | 0.00 | | 9.49 |
| | 500 Hz | 103.70 | 0.00 | | 90.34 | 17.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.52 |
| | 1000 Hz | 99.80 | 0.00 | | 90.34 | 33.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.46 |
| | 2000 Hz | 95.60 | 0.00 | | 90.34 | 89.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.37 |
| | 4000 Hz | 86.90 | 0.00 | | 90.34 | 303.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -304.36 |
| | 8000 Hz | 65.40 | 0.00 | | 90.34 | 1083.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1105.92 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.60 | 1.04 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | | 23.77 |
| | 125 Hz | 111.00 | 0.00 | | 89.60 | 3.50 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 18.10 |
| | 250 Hz | 106.60 | 0.00 | | 89.60 | 8.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.11 |
| | 500 Hz | 103.70 | 0.00 | | 89.60 | 16.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.68 |
| | 1000 Hz | 99.80 | 0.00 | | 89.60 | 31.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.95 |
| | 2000 Hz | 95.60 | 0.00 | | 89.60 | 82.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.30 |
| | 4000 Hz | 86.90 | 0.00 | | 89.60 | 279.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -278.78 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 8000 Hz | 65.40 | 0.00 | | 89.60 | 995.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1016.56 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 89.73 | 1.05 | -3.00 | 0.00 | 0.00 | 3.91 | 0.00 | 23.21 |
| | 125 Hz | 110.20 | 0.00 | | 89.73 | 3.55 | -3.00 | 0.00 | 0.00 | 2.86 | 0.00 | 17.06 |
| | 250 Hz | 105.30 | 0.00 | | 89.73 | 9.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.56 |
| | 500 Hz | 102.70 | 0.00 | | 89.73 | 16.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.68 |
| | 1000 Hz | 99.80 | 0.00 | | 89.73 | 31.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.52 |
| | 2000 Hz | 95.50 | 0.00 | | 89.73 | 83.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -74.72 |
| | 4000 Hz | 84.90 | 0.00 | | 89.73 | 283.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -284.96 |
| | 8000 Hz | 61.80 | 0.00 | | 89.73 | 1009.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1034.75 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 89.92 | 1.08 | -3.00 | 0.00 | 0.00 | 3.96 | 0.00 | 22.95 |
| | 125 Hz | 110.20 | 0.00 | | 89.92 | 3.63 | -3.00 | 0.00 | 0.00 | 2.97 | 0.00 | 16.68 |
| | 250 Hz | 105.30 | 0.00 | | 89.92 | 9.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.16 |
| | 500 Hz | 102.70 | 0.00 | | 89.92 | 17.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.25 |
| | 1000 Hz | 99.80 | 0.00 | | 89.92 | 32.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.43 |
| | 2000 Hz | 95.50 | 0.00 | | 89.92 | 85.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -76.79 |
| | 4000 Hz | 84.90 | 0.00 | | 89.92 | 289.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -291.52 |
| | 8000 Hz | 61.80 | 0.00 | | 89.92 | 1032.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1057.67 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.26 | 1.00 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | 24.15 |
| | 125 Hz | 111.00 | 0.00 | | 89.26 | 3.36 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | 18.58 |
| | 250 Hz | 106.60 | 0.00 | | 89.26 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.80 |
| | 500 Hz | 103.70 | 0.00 | | 89.26 | 15.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 |
| | 1000 Hz | 99.80 | 0.00 | | 89.26 | 29.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.41 |
| | 2000 Hz | 95.60 | 0.00 | | 89.26 | 79.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -69.79 |
| | 4000 Hz | 86.90 | 0.00 | | 89.26 | 268.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -267.69 |
| | 8000 Hz | 65.40 | 0.00 | | 89.26 | 957.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -977.91 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.48 | 1.02 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | 23.91 |
| | 125 Hz | 111.00 | 0.00 | | 89.48 | 3.45 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | 18.27 |
| | 250 Hz | 106.60 | 0.00 | | 89.48 | 8.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.36 |
| | 500 Hz | 103.70 | 0.00 | | 89.48 | 16.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 |
| | 1000 Hz | 99.80 | 0.00 | | 89.48 | 30.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.39 |
| | 2000 Hz | 95.60 | 0.00 | | 89.48 | 81.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -72.03 |
| | 4000 Hz | 86.90 | 0.00 | | 89.48 | 275.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -274.78 |
| | 8000 Hz | 65.40 | 0.00 | | 89.48 | 981.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1002.63 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 86.33 | 0.71 | -3.00 | 0.00 | 0.00 | 0.82 | 0.00 | 22.94 |
| | 125 Hz | 104.80 | 0.00 | | 86.33 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.07 |
| | 250 Hz | 101.20 | 0.00 | | 86.33 | 6.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.78 |
| | 500 Hz | 96.80 | 0.00 | | 86.33 | 11.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 |
| | 1000 Hz | 92.70 | 0.00 | | 86.33 | 21.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.99 |
| | 2000 Hz | 90.50 | 0.00 | | 86.33 | 56.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.27 |
| | 4000 Hz | 84.90 | 0.00 | | 86.33 | 191.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -189.84 |
| | 8000 Hz | 70.70 | 0.00 | | 86.33 | 682.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -695.31 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.53 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.21 |
| | 125 Hz | 106.90 | 0.00 | | 82.53 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.82 |
| | 250 Hz | 104.10 | 0.00 | | 82.53 | 3.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.63 |
| | 500 Hz | 100.40 | 0.00 | | 82.53 | 7.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.60 |
| | 1000 Hz | 96.10 | 0.00 | | 82.53 | 13.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 |
| | 2000 Hz | 90.70 | 0.00 | | 82.53 | 36.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.29 |
| | 4000 Hz | 83.90 | 0.00 | | 82.53 | 123.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -119.27 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 75.80 | 0.00 | | 82.53 | 440.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -444.70 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.61 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.18 |
| | 125 Hz | 108.80 | 0.00 | | 81.61 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.80 |
| | 250 Hz | 106.10 | 0.00 | | 81.61 | 3.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.96 |
| | 500 Hz | 102.40 | 0.00 | | 81.61 | 6.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.26 |
| | 1000 Hz | 98.10 | 0.00 | | 81.61 | 12.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.09 |
| | 2000 Hz | 92.80 | 0.00 | | 81.61 | 32.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.58 |
| | 4000 Hz | 85.90 | 0.00 | | 81.61 | 111.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -103.84 |
| | 8000 Hz | 77.90 | 0.00 | | 81.61 | 396.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -397.09 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.54 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.20 |
| | 125 Hz | 106.90 | 0.00 | | 82.54 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.81 |
| | 250 Hz | 104.10 | 0.00 | | 82.54 | 3.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.62 |
| | 500 Hz | 100.40 | 0.00 | | 82.54 | 7.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.59 |
| | 1000 Hz | 96.10 | 0.00 | | 82.54 | 13.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.76 |
| | 2000 Hz | 90.70 | 0.00 | | 82.54 | 36.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.32 |
| | 4000 Hz | 83.90 | 0.00 | | 82.54 | 123.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.36 |
| | 8000 Hz | 75.80 | 0.00 | | 82.54 | 441.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -445.02 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 83.17 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.53 |
| | 125 Hz | 108.80 | 0.00 | | 83.17 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.96 |
| | 250 Hz | 106.10 | 0.00 | | 83.17 | 4.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.69 |
| | 500 Hz | 102.40 | 0.00 | | 83.17 | 7.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.40 |
| | 1000 Hz | 98.10 | 0.00 | | 83.17 | 14.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.07 |
| | 2000 Hz | 92.80 | 0.00 | | 83.17 | 39.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.63 |
| | 4000 Hz | 85.90 | 0.00 | | 83.17 | 133.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.39 |
| | 8000 Hz | 77.90 | 0.00 | | 83.17 | 474.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -477.06 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 83.00 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.62 |
| | 125 Hz | 110.70 | 0.00 | | 83.00 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.06 |
| | 250 Hz | 108.00 | 0.00 | | 83.00 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.85 |
| | 500 Hz | 104.50 | 0.00 | | 83.00 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.83 |
| | 1000 Hz | 100.10 | 0.00 | | 83.00 | 14.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.54 |
| | 2000 Hz | 94.80 | 0.00 | | 83.00 | 38.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.67 |
| | 4000 Hz | 87.90 | 0.00 | | 83.00 | 130.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.57 |
| | 8000 Hz | 79.90 | 0.00 | | 83.00 | 465.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -465.46 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 83.65 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.13 |
| | 125 Hz | 110.90 | 0.00 | | 83.65 | 1.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.48 |
| | 250 Hz | 108.10 | 0.00 | | 83.65 | 4.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.97 |
| | 500 Hz | 104.40 | 0.00 | | 83.65 | 8.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.47 |
| | 1000 Hz | 100.10 | 0.00 | | 83.65 | 15.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.75 |
| | 2000 Hz | 94.80 | 0.00 | | 83.65 | 41.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.33 |
| | 4000 Hz | 88.00 | 0.00 | | 83.65 | 140.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.32 |
| | 8000 Hz | 80.00 | 0.00 | | 83.65 | 501.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -502.38 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.86 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.77 |
| | 125 Hz | 110.70 | 0.00 | | 82.86 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.23 |
| | 250 Hz | 108.00 | 0.00 | | 82.86 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.06 |
| | 500 Hz | 104.50 | 0.00 | | 82.86 | 7.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.09 |
| | 1000 Hz | 100.10 | 0.00 | | 82.86 | 14.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.92 |
| | 2000 Hz | 94.80 | 0.00 | | 82.86 | 37.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.91 |
| | 4000 Hz | 87.90 | 0.00 | | 82.86 | 128.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.33 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 8000 Hz | 79.90 | 0.00 | | 82.86 | 457.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -457.83 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 84.30 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.44 |
| | 125 Hz | 110.90 | 0.00 | | 84.30 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.70 |
| | 250 Hz | 108.10 | 0.00 | | 84.30 | 4.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.97 |
| | 500 Hz | 104.40 | 0.00 | | 84.30 | 8.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.18 |
| | 1000 Hz | 100.10 | 0.00 | | 84.30 | 16.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 |
| | 2000 Hz | 94.80 | 0.00 | | 84.30 | 44.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.20 |
| | 4000 Hz | 88.00 | 0.00 | | 84.30 | 151.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -144.89 |
| | 8000 Hz | 80.00 | 0.00 | | 84.30 | 540.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -541.96 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 84.53 | 0.58 | -3.00 | 0.00 | 0.00 | 0.03 | 0.00 | 30.97 |
| | 125 Hz | 110.70 | 0.00 | | 84.53 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.22 |
| | 250 Hz | 108.00 | 0.00 | | 84.53 | 4.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.52 |
| | 500 Hz | 104.50 | 0.00 | | 84.53 | 9.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.82 |
| | 1000 Hz | 100.10 | 0.00 | | 84.53 | 17.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 |
| | 2000 Hz | 94.80 | 0.00 | | 84.53 | 45.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.62 |
| | 4000 Hz | 87.90 | 0.00 | | 84.53 | 155.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -149.26 |
| | 8000 Hz | 79.90 | 0.00 | | 84.53 | 555.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -556.71 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPkt002 | IP B | 377775.66 | | 5778730.35 | | 61.174 | | 35.44 | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 75.23 | 3.13 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 16.95 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 83.47 | 8.09 | 4.72 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 84.19 | 8.78 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 85.72 | 10.48 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -96.95 |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 88.09 | 0.87 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | 13.61 |
| | 125 Hz | 102.50 | 0.00 | | 88.09 | 2.94 | -3.00 | 0.00 | 0.00 | 4.49 | 0.00 | 9.98 |
| | 250 Hz | 99.20 | 0.00 | | 88.09 | 7.46 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | 2.45 |
| | 500 Hz | 96.00 | 0.00 | | 88.09 | 13.78 | -3.00 | 0.00 | 0.00 | 3.54 | 0.00 | -6.41 |
| | 1000 Hz | 92.30 | 0.00 | | 88.09 | 26.15 | -3.00 | 0.00 | 0.00 | 1.81 | 0.00 | -20.75 |
| | 2000 Hz | 89.10 | 0.00 | | 88.09 | 69.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -65.10 |
| | 4000 Hz | 85.30 | 0.00 | | 88.09 | 234.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -234.15 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 88.04 | 0.87 | -3.00 | 0.00 | 0.00 | 4.37 | 0.00 | 16.93 |
| | 125 Hz | 105.50 | 0.00 | | 88.04 | 2.92 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | 13.61 |
| | 250 Hz | 102.20 | 0.00 | | 88.04 | 7.42 | -3.00 | 0.00 | 0.00 | 2.88 | 0.00 | 6.86 |
| | 500 Hz | 99.00 | 0.00 | | 88.04 | 13.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| | 1000 Hz | 95.30 | 0.00 | | 88.04 | 26.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.74 |
| | 2000 Hz | 92.10 | 0.00 | | 88.04 | 68.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -61.66 |
| | 4000 Hz | 88.30 | 0.00 | | 88.04 | 233.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -229.78 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.81 | 0.25 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | 29.99 |
| | 63 Hz | 116.40 | 0.00 | | 88.81 | 0.95 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | 25.76 |
| | 125 Hz | 110.70 | 0.00 | | 88.81 | 3.19 | -3.00 | 0.00 | 0.00 | 2.78 | 0.00 | 18.91 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 250 Hz | 104.40 | 0.00 | | 88.81 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.48 |
| | 500 Hz | 101.20 | 0.00 | | 88.81 | 14.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| | 1000 Hz | 99.40 | 0.00 | | 88.81 | 28.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.83 |
| | 2000 Hz | 93.80 | 0.00 | | 88.81 | 75.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -67.12 |
| | 4000 Hz | 86.70 | 0.00 | | 88.81 | 254.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -253.81 |
| | 8000 Hz | 78.40 | 0.00 | | 88.81 | 908.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -915.83 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.67 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.55 |
| | 63 Hz | 116.40 | 0.00 | | 85.67 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.07 |
| | 125 Hz | 110.70 | 0.00 | | 85.67 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.80 |
| | 250 Hz | 104.40 | 0.00 | | 85.67 | 5.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.07 |
| | 500 Hz | 101.20 | 0.00 | | 85.67 | 10.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.08 |
| | 1000 Hz | 99.40 | 0.00 | | 85.67 | 19.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.09 |
| | 2000 Hz | 93.80 | 0.00 | | 85.67 | 52.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.23 |
| | 4000 Hz | 86.70 | 0.00 | | 85.67 | 177.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -173.51 |
| | 8000 Hz | 78.40 | 0.00 | | 85.67 | 633.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -637.49 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.14 | 0.23 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | 31.69 |
| | 63 Hz | 116.40 | 0.00 | | 88.14 | 0.88 | -3.00 | 0.00 | 0.00 | 1.18 | 0.00 | 29.20 |
| | 125 Hz | 110.70 | 0.00 | | 88.14 | 2.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.61 |
| | 250 Hz | 104.40 | 0.00 | | 88.14 | 7.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.76 |
| | 500 Hz | 101.20 | 0.00 | | 88.14 | 13.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 |
| | 1000 Hz | 99.40 | 0.00 | | 88.14 | 26.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.05 |
| | 2000 Hz | 93.80 | 0.00 | | 88.14 | 69.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -60.86 |
| | 4000 Hz | 86.70 | 0.00 | | 88.14 | 235.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -234.21 |
| | 8000 Hz | 78.40 | 0.00 | | 88.14 | 840.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -847.64 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.49 | 0.24 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | 30.54 |
| | 63 Hz | 116.40 | 0.00 | | 88.49 | 0.91 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | 26.61 |
| | 125 Hz | 110.70 | 0.00 | | 88.49 | 3.08 | -3.00 | 0.00 | 0.00 | 1.40 | 0.00 | 20.74 |
| | 250 Hz | 104.40 | 0.00 | | 88.49 | 7.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.10 |
| | 500 Hz | 101.20 | 0.00 | | 88.49 | 14.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 |
| | 1000 Hz | 99.40 | 0.00 | | 88.49 | 27.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.48 |
| | 2000 Hz | 93.80 | 0.00 | | 88.49 | 72.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.07 |
| | 4000 Hz | 86.70 | 0.00 | | 88.49 | 245.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -244.26 |
| | 8000 Hz | 78.40 | 0.00 | | 88.49 | 875.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -882.59 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.42 | 0.21 | -3.00 | 0.00 | 0.00 | 1.51 | 0.00 | 34.26 |
| | 63 Hz | 116.40 | 0.00 | | 87.42 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.17 |
| | 125 Hz | 110.70 | 0.00 | | 87.42 | 2.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.56 |
| | 250 Hz | 104.40 | 0.00 | | 87.42 | 6.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.07 |
| | 500 Hz | 101.20 | 0.00 | | 87.42 | 12.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.01 |
| | 1000 Hz | 99.40 | 0.00 | | 87.42 | 24.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.25 |
| | 2000 Hz | 93.80 | 0.00 | | 87.42 | 64.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.63 |
| | 4000 Hz | 86.70 | 0.00 | | 87.42 | 217.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -214.80 |
| | 8000 Hz | 78.40 | 0.00 | | 87.42 | 774.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -780.27 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.73 | 0.22 | -3.00 | 0.00 | 0.00 | 2.15 | 0.00 | 33.30 |
| | 63 Hz | 116.40 | 0.00 | | 87.73 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.83 |
| | 125 Hz | 110.70 | 0.00 | | 87.73 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.15 |
| | 250 Hz | 104.40 | 0.00 | | 87.73 | 7.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.51 |
| | 500 Hz | 101.20 | 0.00 | | 87.73 | 13.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 |
| | 1000 Hz | 99.40 | 0.00 | | 87.73 | 25.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.44 |
| | 2000 Hz | 93.80 | 0.00 | | 87.73 | 66.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.28 |
| | 4000 Hz | 86.70 | 0.00 | | 87.73 | 224.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -223.02 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 87.73 | 802.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -808.78 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.47 | 0.24 | -3.00 | 0.00 | 0.00 | 3.78 | 0.00 | | 30.91 |
| | 63 Hz | 116.40 | 0.00 | | 88.47 | 0.91 | -3.00 | 0.00 | 0.00 | 2.49 | 0.00 | | 27.52 |
| | 125 Hz | 110.70 | 0.00 | | 88.47 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.15 |
| | 250 Hz | 104.40 | 0.00 | | 88.47 | 7.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.13 |
| | 500 Hz | 101.20 | 0.00 | | 88.47 | 14.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.31 |
| | 1000 Hz | 99.40 | 0.00 | | 88.47 | 27.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.42 |
| | 2000 Hz | 93.80 | 0.00 | | 88.47 | 72.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.93 |
| | 4000 Hz | 86.70 | 0.00 | | 88.47 | 245.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -243.82 |
| | 8000 Hz | 78.40 | 0.00 | | 88.47 | 873.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -881.06 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.26 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.91 |
| | 63 Hz | 116.40 | 0.00 | | 88.26 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.26 |
| | 125 Hz | 110.70 | 0.00 | | 88.26 | 3.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.45 |
| | 250 Hz | 104.40 | 0.00 | | 88.26 | 7.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.54 |
| | 500 Hz | 101.20 | 0.00 | | 88.26 | 14.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.89 |
| | 1000 Hz | 99.40 | 0.00 | | 88.26 | 26.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.53 |
| | 2000 Hz | 93.80 | 0.00 | | 88.26 | 70.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.94 |
| | 4000 Hz | 86.70 | 0.00 | | 88.26 | 239.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -237.56 |
| | 8000 Hz | 78.40 | 0.00 | | 88.26 | 852.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -859.31 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 87.85 | 0.22 | -3.00 | 0.00 | 0.00 | 0.46 | 0.00 | | 31.57 |
| | 63 Hz | 113.10 | 0.00 | | 87.85 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.40 |
| | 125 Hz | 107.40 | 0.00 | | 87.85 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.69 |
| | 250 Hz | 101.10 | 0.00 | | 87.85 | 7.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.98 |
| | 500 Hz | 97.90 | 0.00 | | 87.85 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.37 |
| | 1000 Hz | 96.10 | 0.00 | | 87.85 | 25.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.21 |
| | 2000 Hz | 90.50 | 0.00 | | 87.85 | 67.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.63 |
| | 4000 Hz | 83.40 | 0.00 | | 87.85 | 228.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.61 |
| | 8000 Hz | 75.10 | 0.00 | | 87.85 | 813.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -823.51 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.48 | 0.24 | -3.00 | 0.00 | 0.00 | 2.30 | 0.00 | | 32.37 |
| | 63 Hz | 116.40 | 0.00 | | 88.48 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.01 |
| | 125 Hz | 110.70 | 0.00 | | 88.48 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.14 |
| | 250 Hz | 104.40 | 0.00 | | 88.48 | 7.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.11 |
| | 500 Hz | 101.20 | 0.00 | | 88.48 | 14.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.29 |
| | 1000 Hz | 99.40 | 0.00 | | 88.48 | 27.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.46 |
| | 2000 Hz | 93.80 | 0.00 | | 88.48 | 72.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.03 |
| | 4000 Hz | 86.70 | 0.00 | | 88.48 | 245.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -244.11 |
| | 8000 Hz | 78.40 | 0.00 | | 88.48 | 874.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -882.07 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.92 | 0.25 | -3.00 | 0.00 | 0.00 | 3.72 | 0.00 | | 30.51 |
| | 63 Hz | 116.40 | 0.00 | | 88.92 | 0.96 | -3.00 | 0.00 | 0.00 | 2.32 | 0.00 | | 27.20 |
| | 125 Hz | 110.70 | 0.00 | | 88.92 | 3.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.54 |
| | 250 Hz | 104.40 | 0.00 | | 88.92 | 8.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.27 |
| | 500 Hz | 101.20 | 0.00 | | 88.92 | 15.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.11 |
| | 1000 Hz | 99.40 | 0.00 | | 88.92 | 28.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.31 |
| | 2000 Hz | 93.80 | 0.00 | | 88.92 | 76.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.20 |
| | 4000 Hz | 86.70 | 0.00 | | 88.92 | 257.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -257.21 |
| | 8000 Hz | 78.40 | 0.00 | | 88.92 | 920.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -927.68 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 79.05 | 0.31 | -3.00 | 0.00 | 0.00 | 1.92 | 0.00 | | 30.42 |
| | 125 Hz | 104.80 | 0.00 | | 79.05 | 1.04 | -3.00 | 0.00 | 0.00 | 2.29 | 0.00 | | 25.41 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 101.50 | 0.00 | | 79.05 | 2.64 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 20.01 |
| | 500 Hz | 97.10 | 0.00 | | 79.05 | 4.87 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 12.72 |
| | 1000 Hz | 91.00 | 0.00 | | 79.05 | 9.25 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 1.44 |
| | 2000 Hz | 86.30 | 0.00 | | 79.05 | 24.43 | -3.00 | 0.00 | 0.00 | 5.25 | 0.00 | | -19.43 |
| | 4000 Hz | 80.30 | 0.00 | | 79.05 | 82.86 | -3.00 | 0.00 | 0.00 | 6.51 | 0.00 | | -85.12 |
| | 8000 Hz | 74.00 | 0.00 | | 79.05 | 295.52 | -3.00 | 0.00 | 0.00 | 8.16 | 0.00 | | -305.73 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 80.21 | 0.09 | -3.00 | 0.00 | 0.00 | 1.61 | 0.00 | | 36.08 |
| | 63 Hz | 113.00 | 0.00 | | 80.21 | 0.35 | -3.00 | 0.00 | 0.00 | 1.93 | 0.00 | | 33.50 |
| | 125 Hz | 108.60 | 0.00 | | 80.21 | 1.19 | -3.00 | 0.00 | 0.00 | 2.31 | 0.00 | | 27.89 |
| | 250 Hz | 105.70 | 0.00 | | 80.21 | 3.01 | -3.00 | 0.00 | 0.00 | 2.81 | 0.00 | | 22.66 |
| | 500 Hz | 101.70 | 0.00 | | 80.21 | 5.57 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 15.47 |
| | 1000 Hz | 95.50 | 0.00 | | 80.21 | 10.56 | -3.00 | 0.00 | 0.00 | 4.21 | 0.00 | | 3.51 |
| | 2000 Hz | 89.70 | 0.00 | | 80.21 | 27.92 | -3.00 | 0.00 | 0.00 | 5.10 | 0.00 | | -20.53 |
| | 4000 Hz | 82.20 | 0.00 | | 80.21 | 94.67 | -3.00 | 0.00 | 0.00 | 6.22 | 0.00 | | -95.90 |
| | 8000 Hz | 74.00 | 0.00 | | 80.21 | 337.64 | -3.00 | 0.00 | 0.00 | 7.72 | 0.00 | | -348.57 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 80.82 | 0.10 | -3.00 | 0.00 | 0.00 | 1.64 | 0.00 | | 35.44 |
| | 63 Hz | 113.00 | 0.00 | | 80.82 | 0.38 | -3.00 | 0.00 | 0.00 | 2.03 | 0.00 | | 32.77 |
| | 125 Hz | 108.60 | 0.00 | | 80.82 | 1.27 | -3.00 | 0.00 | 0.00 | 2.49 | 0.00 | | 27.02 |
| | 250 Hz | 105.70 | 0.00 | | 80.82 | 3.23 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 21.57 |
| | 500 Hz | 101.70 | 0.00 | | 80.82 | 5.97 | -3.00 | 0.00 | 0.00 | 3.78 | 0.00 | | 14.13 |
| | 1000 Hz | 95.50 | 0.00 | | 80.82 | 11.33 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | | 1.76 |
| | 2000 Hz | 89.70 | 0.00 | | 80.82 | 29.94 | -3.00 | 0.00 | 0.00 | 5.56 | 0.00 | | -23.62 |
| | 4000 Hz | 82.20 | 0.00 | | 80.82 | 101.53 | -3.00 | 0.00 | 0.00 | 6.82 | 0.00 | | -103.97 |
| | 8000 Hz | 74.00 | 0.00 | | 80.82 | 362.12 | -3.00 | 0.00 | 0.00 | 8.50 | 0.00 | | -374.44 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 73.24 | 0.04 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | | 39.95 |
| | 63 Hz | 111.30 | 0.00 | | 73.24 | 0.16 | -3.00 | 0.00 | 0.00 | 4.57 | 0.00 | | 36.34 |
| | 125 Hz | 107.40 | 0.00 | | 73.24 | 0.53 | -3.00 | 0.00 | 0.00 | 4.36 | 0.00 | | 32.27 |
| | 250 Hz | 102.80 | 0.00 | | 73.24 | 1.35 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 27.30 |
| | 500 Hz | 99.70 | 0.00 | | 73.24 | 2.49 | -3.00 | 0.00 | 0.00 | 2.85 | 0.00 | | 24.12 |
| | 1000 Hz | 96.60 | 0.00 | | 73.24 | 4.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.63 |
| | 2000 Hz | 91.70 | 0.00 | | 73.24 | 12.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.96 |
| | 4000 Hz | 85.00 | 0.00 | | 73.24 | 42.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.63 |
| | 8000 Hz | 87.30 | 0.00 | | 73.24 | 151.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.16 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 79.56 | 0.33 | -3.00 | 0.00 | 0.00 | 1.82 | 0.00 | | 33.19 |
| | 125 Hz | 108.60 | 0.00 | | 79.56 | 1.10 | -3.00 | 0.00 | 0.00 | 2.09 | 0.00 | | 28.85 |
| | 250 Hz | 103.40 | 0.00 | | 79.56 | 2.79 | -3.00 | 0.00 | 0.00 | 2.47 | 0.00 | | 21.58 |
| | 500 Hz | 99.10 | 0.00 | | 79.56 | 5.16 | -3.00 | 0.00 | 0.00 | 2.99 | 0.00 | | 14.39 |
| | 1000 Hz | 98.00 | 0.00 | | 79.56 | 9.80 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | | 8.00 |
| | 2000 Hz | 89.80 | 0.00 | | 79.56 | 25.89 | -3.00 | 0.00 | 0.00 | 4.40 | 0.00 | | -17.05 |
| | 4000 Hz | 85.30 | 0.00 | | 79.56 | 87.80 | -3.00 | 0.00 | 0.00 | 5.30 | 0.00 | | -84.36 |
| | 8000 Hz | 80.10 | 0.00 | | 79.56 | 313.16 | -3.00 | 0.00 | 0.00 | 6.47 | 0.00 | | -316.08 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 79.25 | 0.08 | -3.00 | 0.00 | 0.00 | 1.59 | 0.00 | | 40.68 |
| | 63 Hz | 112.30 | 0.00 | | 79.25 | 0.31 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 33.88 |
| | 125 Hz | 108.10 | 0.00 | | 79.25 | 1.06 | -3.00 | 0.00 | 0.00 | 2.17 | 0.00 | | 28.62 |
| | 250 Hz | 103.50 | 0.00 | | 79.25 | 2.70 | -3.00 | 0.00 | 0.00 | 2.59 | 0.00 | | 21.96 |
| | 500 Hz | 100.70 | 0.00 | | 79.25 | 4.98 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 16.30 |
| | 1000 Hz | 98.30 | 0.00 | | 79.25 | 9.46 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | 8.71 |
| | 2000 Hz | 93.80 | 0.00 | | 79.25 | 24.99 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | | -12.17 |
| | 4000 Hz | 86.20 | 0.00 | | 79.25 | 84.73 | -3.00 | 0.00 | 0.00 | 5.79 | 0.00 | | -80.57 |
| | 8000 Hz | 78.20 | 0.00 | | 79.25 | 302.21 | -3.00 | 0.00 | 0.00 | 7.18 | 0.00 | | -307.44 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 77.90 | 0.07 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | | 40.08 |
| | 63 Hz | 111.70 | 0.00 | | 77.90 | 0.27 | -3.00 | 0.00 | 0.00 | 1.74 | 0.00 | | 34.80 |
| | 125 Hz | 106.40 | 0.00 | | 77.90 | 0.91 | -3.00 | 0.00 | 0.00 | 1.93 | 0.00 | | 28.67 |
| | 250 Hz | 102.10 | 0.00 | | 77.90 | 2.31 | -3.00 | 0.00 | 0.00 | 2.18 | 0.00 | | 22.71 |
| | 500 Hz | 99.10 | 0.00 | | 77.90 | 4.26 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 17.38 |
| | 1000 Hz | 96.90 | 0.00 | | 77.90 | 8.09 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 10.83 |
| | 2000 Hz | 90.50 | 0.00 | | 77.90 | 21.38 | -3.00 | 0.00 | 0.00 | 3.74 | 0.00 | | -9.52 |
| | 4000 Hz | 81.00 | 0.00 | | 77.90 | 72.51 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | -70.92 |
| | 8000 Hz | 76.50 | 0.00 | | 77.90 | 258.62 | -3.00 | 0.00 | 0.00 | 5.43 | 0.00 | | -262.45 |
| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 81.53 | 0.11 | -3.00 | 0.00 | 0.00 | 1.65 | 0.00 | | 38.22 |
| | 63 Hz | 110.40 | 0.00 | | 81.53 | 0.41 | -3.00 | 0.00 | 0.00 | 2.03 | 0.00 | | 29.44 |
| | 125 Hz | 107.20 | 0.00 | | 81.53 | 1.38 | -3.00 | 0.00 | 0.00 | 2.48 | 0.00 | | 24.81 |
| | 250 Hz | 101.70 | 0.00 | | 81.53 | 3.51 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | | 16.60 |
| | 500 Hz | 98.20 | 0.00 | | 81.53 | 6.48 | -3.00 | 0.00 | 0.00 | 3.75 | 0.00 | | 9.45 |
| | 1000 Hz | 95.60 | 0.00 | | 81.53 | 12.29 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 0.27 |
| | 2000 Hz | 93.70 | 0.00 | | 81.53 | 32.48 | -3.00 | 0.00 | 0.00 | 5.41 | 0.00 | | -22.72 |
| | 4000 Hz | 90.70 | 0.00 | | 81.53 | 110.14 | -3.00 | 0.00 | 0.00 | 6.58 | 0.00 | | -104.55 |
| | 8000 Hz | 79.50 | 0.00 | | 81.53 | 392.82 | -3.00 | 0.00 | 0.00 | 8.16 | 0.00 | | -400.01 |
| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.12 | 0.16 | -3.00 | 0.00 | 0.00 | 0.81 | 0.00 | | 30.71 |
| | 63 Hz | 111.60 | 0.00 | | 85.12 | 0.62 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 27.58 |
| | 125 Hz | 108.60 | 0.00 | | 85.12 | 2.09 | -3.00 | 0.00 | 0.00 | 1.89 | 0.00 | | 22.50 |
| | 250 Hz | 106.50 | 0.00 | | 85.12 | 5.30 | -3.00 | 0.00 | 0.00 | 2.62 | 0.00 | | 16.47 |
| | 500 Hz | 102.90 | 0.00 | | 85.12 | 9.79 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | | 7.55 |
| | 1000 Hz | 99.60 | 0.00 | | 85.12 | 18.58 | -3.00 | 0.00 | 0.00 | 4.36 | 0.00 | | -5.46 |
| | 2000 Hz | 95.90 | 0.00 | | 85.12 | 49.10 | -3.00 | 0.00 | 0.00 | 5.42 | 0.00 | | -40.73 |
| | 4000 Hz | 90.10 | 0.00 | | 85.12 | 166.49 | -3.00 | 0.00 | 0.00 | 6.75 | 0.00 | | -165.26 |
| | 8000 Hz | 76.30 | 0.00 | | 85.12 | 593.82 | -3.00 | 0.00 | 0.00 | 8.49 | 0.00 | | -608.13 |
| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.65 | 0.17 | -3.00 | 0.00 | 0.00 | 0.76 | 0.00 | | 30.22 |
| | 63 Hz | 111.60 | 0.00 | | 85.65 | 0.66 | -3.00 | 0.00 | 0.00 | 1.18 | 0.00 | | 27.12 |
| | 125 Hz | 108.60 | 0.00 | | 85.65 | 2.22 | -3.00 | 0.00 | 0.00 | 1.69 | 0.00 | | 22.04 |
| | 250 Hz | 106.50 | 0.00 | | 85.65 | 5.63 | -3.00 | 0.00 | 0.00 | 2.31 | 0.00 | | 15.91 |
| | 500 Hz | 102.90 | 0.00 | | 85.65 | 10.41 | -3.00 | 0.00 | 0.00 | 3.04 | 0.00 | | 6.80 |
| | 1000 Hz | 99.60 | 0.00 | | 85.65 | 19.75 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | -6.70 |
| | 2000 Hz | 95.90 | 0.00 | | 85.65 | 52.19 | -3.00 | 0.00 | 0.00 | 4.91 | 0.00 | | -43.85 |
| | 4000 Hz | 90.10 | 0.00 | | 85.65 | 176.97 | -3.00 | 0.00 | 0.00 | 6.17 | 0.00 | | -175.69 |
| | 8000 Hz | 76.30 | 0.00 | | 85.65 | 631.19 | -3.00 | 0.00 | 0.00 | 7.79 | 0.00 | | -645.32 |
| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.69 | 0.14 | -3.00 | 0.00 | 0.00 | 0.79 | 0.00 | | 32.18 |
| | 63 Hz | 111.60 | 0.00 | | 83.69 | 0.52 | -3.00 | 0.00 | 0.00 | 1.24 | 0.00 | | 29.14 |
| | 125 Hz | 108.60 | 0.00 | | 83.69 | 1.77 | -3.00 | 0.00 | 0.00 | 1.81 | 0.00 | | 24.32 |
| | 250 Hz | 106.50 | 0.00 | | 83.69 | 4.50 | -3.00 | 0.00 | 0.00 | 2.53 | 0.00 | | 18.77 |
| | 500 Hz | 102.90 | 0.00 | | 83.69 | 8.31 | -3.00 | 0.00 | 0.00 | 3.42 | 0.00 | | 10.47 |
| | 1000 Hz | 99.60 | 0.00 | | 83.69 | 15.78 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | | -1.39 |
| | 2000 Hz | 95.90 | 0.00 | | 83.69 | 41.68 | -3.00 | 0.00 | 0.00 | 5.91 | 0.00 | | -32.39 |
| | 4000 Hz | 90.10 | 0.00 | | 83.69 | 141.36 | -3.00 | 0.00 | 0.00 | 7.65 | 0.00 | | -139.60 |
| | 8000 Hz | 76.30 | 0.00 | | 83.69 | 504.17 | -3.00 | 0.00 | 0.00 | 9.79 | 0.00 | | -518.36 |
| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.06 | 0.14 | -3.00 | 0.00 | 0.00 | 0.72 | 0.00 | | 31.88 |
| | 63 Hz | 111.60 | 0.00 | | 84.06 | 0.55 | -3.00 | 0.00 | 0.00 | 1.10 | 0.00 | | 28.89 |
| | 125 Hz | 108.60 | 0.00 | | 84.06 | 1.85 | -3.00 | 0.00 | 0.00 | 1.54 | 0.00 | | 24.15 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.50 | 0.00 | | 84.06 | 4.69 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | | 18.68 |
| | 500 Hz | 102.90 | 0.00 | | 84.06 | 8.67 | -3.00 | 0.00 | 0.00 | 2.75 | 0.00 | | 10.42 |
| | 1000 Hz | 99.60 | 0.00 | | 84.06 | 16.45 | -3.00 | 0.00 | 0.00 | 3.70 | 0.00 | | -1.60 |
| | 2000 Hz | 95.90 | 0.00 | | 84.06 | 43.46 | -3.00 | 0.00 | 0.00 | 5.00 | 0.00 | | -33.62 |
| | 4000 Hz | 90.10 | 0.00 | | 84.06 | 147.37 | -3.00 | 0.00 | 0.00 | 6.73 | 0.00 | | -145.06 |
| | 8000 Hz | 76.30 | 0.00 | | 84.06 | 525.63 | -3.00 | 0.00 | 0.00 | 8.86 | 0.00 | | -539.24 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.98 | 0.16 | -3.00 | 0.00 | 0.00 | 0.69 | 0.00 | | 30.97 |
| | 63 Hz | 111.60 | 0.00 | | 84.98 | 0.61 | -3.00 | 0.00 | 0.00 | 1.02 | 0.00 | | 27.99 |
| | 125 Hz | 108.60 | 0.00 | | 84.98 | 2.06 | -3.00 | 0.00 | 0.00 | 1.35 | 0.00 | | 23.20 |
| | 250 Hz | 106.50 | 0.00 | | 84.98 | 5.22 | -3.00 | 0.00 | 0.00 | 1.69 | 0.00 | | 17.60 |
| | 500 Hz | 102.90 | 0.00 | | 84.98 | 9.64 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | | 9.20 |
| | 1000 Hz | 99.60 | 0.00 | | 84.98 | 18.30 | -3.00 | 0.00 | 0.00 | 2.60 | 0.00 | | -3.29 |
| | 2000 Hz | 95.90 | 0.00 | | 84.98 | 48.36 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | -37.87 |
| | 4000 Hz | 90.10 | 0.00 | | 84.98 | 163.99 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | -160.56 |
| | 8000 Hz | 76.30 | 0.00 | | 84.98 | 584.89 | -3.00 | 0.00 | 0.00 | 6.44 | 0.00 | | -597.02 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.98 | 0.13 | -3.00 | 0.00 | 0.00 | 0.71 | 0.00 | | 32.99 |
| | 63 Hz | 111.60 | 0.00 | | 82.98 | 0.48 | -3.00 | 0.00 | 0.00 | 1.05 | 0.00 | | 30.09 |
| | 125 Hz | 108.60 | 0.00 | | 82.98 | 1.63 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 25.56 |
| | 250 Hz | 106.50 | 0.00 | | 82.98 | 4.14 | -3.00 | 0.00 | 0.00 | 1.84 | 0.00 | | 20.54 |
| | 500 Hz | 102.90 | 0.00 | | 82.98 | 7.65 | -3.00 | 0.00 | 0.00 | 2.34 | 0.00 | | 12.93 |
| | 1000 Hz | 99.60 | 0.00 | | 82.98 | 14.52 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | | 2.04 |
| | 2000 Hz | 95.90 | 0.00 | | 82.98 | 38.38 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | -26.59 |
| | 4000 Hz | 90.10 | 0.00 | | 82.98 | 130.14 | -3.00 | 0.00 | 0.00 | 5.67 | 0.00 | | -125.68 |
| | 8000 Hz | 76.30 | 0.00 | | 82.98 | 464.17 | -3.00 | 0.00 | 0.00 | 7.65 | 0.00 | | -475.50 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.84 | 0.14 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 29.42 |
| | 63 Hz | 111.60 | 0.00 | | 83.84 | 0.53 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | | 28.85 |
| | 125 Hz | 108.60 | 0.00 | | 83.84 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.96 |
| | 250 Hz | 106.50 | 0.00 | | 83.84 | 4.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.09 |
| | 500 Hz | 102.90 | 0.00 | | 83.84 | 8.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.61 |
| | 1000 Hz | 99.60 | 0.00 | | 83.84 | 16.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.72 |
| | 2000 Hz | 95.90 | 0.00 | | 83.84 | 42.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.32 |
| | 4000 Hz | 90.10 | 0.00 | | 83.84 | 143.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.46 |
| | 8000 Hz | 76.30 | 0.00 | | 83.84 | 512.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -517.15 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.70 | 0.16 | -3.00 | 0.00 | 0.00 | 3.71 | 0.00 | | 28.24 |
| | 63 Hz | 111.60 | 0.00 | | 84.70 | 0.59 | -3.00 | 0.00 | 0.00 | 2.29 | 0.00 | | 27.02 |
| | 125 Hz | 108.60 | 0.00 | | 84.70 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.92 |
| | 250 Hz | 106.50 | 0.00 | | 84.70 | 5.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.76 |
| | 500 Hz | 102.90 | 0.00 | | 84.70 | 9.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.88 |
| | 1000 Hz | 99.60 | 0.00 | | 84.70 | 17.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.20 |
| | 2000 Hz | 95.90 | 0.00 | | 84.70 | 46.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.57 |
| | 4000 Hz | 90.10 | 0.00 | | 84.70 | 158.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.21 |
| | 8000 Hz | 76.30 | 0.00 | | 84.70 | 565.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -571.12 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.29 | 0.79 | -3.00 | 0.00 | 0.00 | 0.99 | 0.00 | | -79.17 |
| | 125 Hz | 5.20 | 0.00 | | 87.29 | 2.68 | -3.00 | 0.00 | 0.00 | 1.30 | 0.00 | | -83.07 |
| | 250 Hz | 1.90 | 0.00 | | 87.29 | 6.80 | -3.00 | 0.00 | 0.00 | 1.60 | 0.00 | | -90.79 |
| | 500 Hz | -1.30 | 0.00 | | 87.29 | 12.57 | -3.00 | 0.00 | 0.00 | 1.89 | 0.00 | | -100.04 |
| | 1000 Hz | -5.00 | 0.00 | | 87.29 | 23.85 | -3.00 | 0.00 | 0.00 | 2.25 | 0.00 | | -115.39 |
| | 2000 Hz | -8.20 | 0.00 | | 87.29 | 63.03 | -3.00 | 0.00 | 0.00 | 2.79 | 0.00 | | -158.31 |
| | 4000 Hz | -12.00 | 0.00 | | 87.29 | 213.75 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | | -313.69 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|--------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 85.02 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.57 |
| | 125 Hz | 106.50 | 0.00 | | 85.02 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.42 |
| | 250 Hz | 103.20 | 0.00 | | 85.02 | 5.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.94 |
| | 500 Hz | 100.00 | 0.00 | | 85.02 | 9.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.30 |
| | 1000 Hz | 96.30 | 0.00 | | 85.02 | 18.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.09 |
| | 2000 Hz | 93.10 | 0.00 | | 85.02 | 48.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.45 |
| | 4000 Hz | 89.30 | 0.00 | | 85.02 | 164.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.31 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 87.92 | 0.22 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | | 27.54 |
| | 63 Hz | 110.90 | 0.00 | | 87.92 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.13 |
| | 125 Hz | 108.00 | 0.00 | | 87.92 | 2.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.20 |
| | 250 Hz | 103.80 | 0.00 | | 87.92 | 7.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.57 |
| | 500 Hz | 101.90 | 0.00 | | 87.92 | 13.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.46 |
| | 1000 Hz | 98.90 | 0.00 | | 87.92 | 25.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.67 |
| | 2000 Hz | 94.60 | 0.00 | | 87.92 | 67.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.09 |
| | 4000 Hz | 88.20 | 0.00 | | 87.92 | 229.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -226.56 |
| | 8000 Hz | 78.80 | 0.00 | | 87.92 | 819.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -825.88 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 87.51 | 0.21 | -3.00 | 0.00 | 0.00 | 2.21 | 0.00 | | 27.86 |
| | 63 Hz | 110.90 | 0.00 | | 87.51 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.58 |
| | 125 Hz | 108.00 | 0.00 | | 87.51 | 2.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.74 |
| | 250 Hz | 103.80 | 0.00 | | 87.51 | 6.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.31 |
| | 500 Hz | 101.90 | 0.00 | | 87.51 | 12.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.49 |
| | 1000 Hz | 98.90 | 0.00 | | 87.51 | 24.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.08 |
| | 2000 Hz | 94.60 | 0.00 | | 87.51 | 64.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.58 |
| | 4000 Hz | 88.20 | 0.00 | | 87.51 | 219.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -215.61 |
| | 8000 Hz | 78.80 | 0.00 | | 87.51 | 782.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -787.87 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 87.82 | 0.22 | -3.00 | 0.00 | 0.00 | 2.59 | 0.00 | | 27.16 |
| | 63 Hz | 110.90 | 0.00 | | 87.82 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.23 |
| | 125 Hz | 108.00 | 0.00 | | 87.82 | 2.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.33 |
| | 250 Hz | 103.80 | 0.00 | | 87.82 | 7.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.74 |
| | 500 Hz | 101.90 | 0.00 | | 87.82 | 13.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.71 |
| | 1000 Hz | 98.90 | 0.00 | | 87.82 | 25.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.29 |
| | 2000 Hz | 94.60 | 0.00 | | 87.82 | 67.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.26 |
| | 4000 Hz | 88.20 | 0.00 | | 87.82 | 227.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -223.96 |
| | 8000 Hz | 78.80 | 0.00 | | 87.82 | 810.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -816.86 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 87.13 | 0.21 | -3.00 | 0.00 | 0.00 | 1.21 | 0.00 | | 29.26 |
| | 63 Hz | 110.90 | 0.00 | | 87.13 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.99 |
| | 125 Hz | 108.00 | 0.00 | | 87.13 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.24 |
| | 250 Hz | 103.80 | 0.00 | | 87.13 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.99 |
| | 500 Hz | 101.90 | 0.00 | | 87.13 | 12.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.43 |
| | 1000 Hz | 98.90 | 0.00 | | 87.13 | 23.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.65 |
| | 2000 Hz | 94.60 | 0.00 | | 87.13 | 61.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.41 |
| | 4000 Hz | 88.20 | 0.00 | | 87.13 | 209.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.78 |
| | 8000 Hz | 78.80 | 0.00 | | 87.13 | 748.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -753.81 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 84.69 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.36 |
| | 63 Hz | 122.10 | 0.00 | | 84.69 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.82 |
| | 125 Hz | 115.00 | 0.00 | | 84.69 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.32 |
| | 250 Hz | 108.00 | 0.00 | | 84.69 | 5.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.27 |
| | 500 Hz | 103.90 | 0.00 | | 84.69 | 9.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.89 |
| | 1000 Hz | 101.60 | 0.00 | | 84.69 | 17.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.22 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 96.70 | 0.00 | | 84.69 | 46.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.72 |
| | 4000 Hz | 88.60 | 0.00 | | 84.69 | 158.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.58 |
| | 8000 Hz | 80.90 | 0.00 | | 84.69 | 565.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -566.07 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 85.12 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.76 |
| | 125 Hz | 109.80 | 0.00 | | 85.12 | 2.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.59 |
| | 250 Hz | 107.40 | 0.00 | | 85.12 | 5.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.98 |
| | 500 Hz | 101.60 | 0.00 | | 85.12 | 9.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.68 |
| | 1000 Hz | 94.50 | 0.00 | | 85.12 | 18.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.21 |
| | 2000 Hz | 88.00 | 0.00 | | 85.12 | 49.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.24 |
| | 4000 Hz | 85.30 | 0.00 | | 85.12 | 166.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -163.39 |
| | 8000 Hz | 79.90 | 0.00 | | 85.12 | 594.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -596.30 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 85.48 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.48 |
| | 125 Hz | 110.80 | 0.00 | | 85.48 | 2.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.14 |
| | 250 Hz | 105.10 | 0.00 | | 85.48 | 5.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.09 |
| | 500 Hz | 102.60 | 0.00 | | 85.48 | 10.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.91 |
| | 1000 Hz | 99.60 | 0.00 | | 85.48 | 19.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.25 |
| | 2000 Hz | 93.10 | 0.00 | | 85.48 | 51.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.57 |
| | 4000 Hz | 80.70 | 0.00 | | 85.48 | 173.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -175.38 |
| | 8000 Hz | 77.00 | 0.00 | | 85.48 | 619.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -624.66 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 85.85 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.08 |
| | 125 Hz | 110.80 | 0.00 | | 85.85 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.68 |
| | 250 Hz | 105.10 | 0.00 | | 85.85 | 5.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.48 |
| | 500 Hz | 102.60 | 0.00 | | 85.85 | 10.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.09 |
| | 1000 Hz | 99.60 | 0.00 | | 85.85 | 20.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.47 |
| | 2000 Hz | 93.10 | 0.00 | | 85.85 | 53.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.18 |
| | 4000 Hz | 80.70 | 0.00 | | 85.85 | 181.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -183.35 |
| | 8000 Hz | 77.00 | 0.00 | | 85.85 | 646.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -652.11 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 86.19 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.71 |
| | 125 Hz | 110.80 | 0.00 | | 86.19 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.25 |
| | 250 Hz | 105.10 | 0.00 | | 86.19 | 6.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.91 |
| | 500 Hz | 102.60 | 0.00 | | 86.19 | 11.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.33 |
| | 1000 Hz | 99.60 | 0.00 | | 86.19 | 21.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.62 |
| | 2000 Hz | 93.10 | 0.00 | | 86.19 | 55.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.65 |
| | 4000 Hz | 80.70 | 0.00 | | 86.19 | 188.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.89 |
| | 8000 Hz | 77.00 | 0.00 | | 86.19 | 671.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -678.16 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 84.45 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.37 |
| | 125 Hz | 104.80 | 0.00 | | 84.45 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.41 |
| | 250 Hz | 99.40 | 0.00 | | 84.45 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.03 |
| | 500 Hz | 95.00 | 0.00 | | 84.45 | 9.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.47 |
| | 1000 Hz | 93.20 | 0.00 | | 84.45 | 17.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.47 |
| | 2000 Hz | 89.10 | 0.00 | | 84.45 | 45.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.85 |
| | 4000 Hz | 83.90 | 0.00 | | 84.45 | 154.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.83 |
| | 8000 Hz | 82.20 | 0.00 | | 84.45 | 550.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -549.51 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.97 | 0.77 | -3.00 | 0.00 | 0.00 | 2.95 | 0.00 | | 27.62 |
| | 125 Hz | 111.00 | 0.00 | | 86.97 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.44 |
| | 250 Hz | 106.60 | 0.00 | | 86.97 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.07 |
| | 500 Hz | 103.70 | 0.00 | | 86.97 | 12.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.60 |
| | 1000 Hz | 99.80 | 0.00 | | 86.97 | 23.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.18 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 95.60 | 0.00 | | 86.97 | 60.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.16 |
| | 4000 Hz | 86.90 | 0.00 | | 86.97 | 206.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.22 |
| | 8000 Hz | 65.40 | 0.00 | | 86.97 | 735.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -753.83 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.04 | 0.69 | -3.00 | 0.00 | 0.00 | 2.85 | 0.00 | | 28.72 |
| | 125 Hz | 111.00 | 0.00 | | 86.04 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.64 |
| | 250 Hz | 106.60 | 0.00 | | 86.04 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.67 |
| | 500 Hz | 103.70 | 0.00 | | 86.04 | 10.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.77 |
| | 1000 Hz | 99.80 | 0.00 | | 86.04 | 20.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.91 |
| | 2000 Hz | 95.60 | 0.00 | | 86.04 | 54.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.05 |
| | 4000 Hz | 86.90 | 0.00 | | 86.04 | 185.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -181.32 |
| | 8000 Hz | 65.40 | 0.00 | | 86.04 | 660.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -678.11 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.89 | 0.60 | -3.00 | 0.00 | 0.00 | 1.08 | 0.00 | | 31.73 |
| | 125 Hz | 111.00 | 0.00 | | 84.89 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.07 |
| | 250 Hz | 106.60 | 0.00 | | 84.89 | 5.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.54 |
| | 500 Hz | 103.70 | 0.00 | | 84.89 | 9.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.27 |
| | 1000 Hz | 99.80 | 0.00 | | 84.89 | 18.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.20 |
| | 2000 Hz | 95.60 | 0.00 | | 84.89 | 47.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.14 |
| | 4000 Hz | 86.90 | 0.00 | | 84.89 | 162.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.24 |
| | 8000 Hz | 65.40 | 0.00 | | 84.89 | 578.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -595.17 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.20 | 0.62 | -3.00 | 0.00 | 0.00 | 1.19 | 0.00 | | 30.89 |
| | 125 Hz | 110.20 | 0.00 | | 85.20 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.89 |
| | 250 Hz | 105.30 | 0.00 | | 85.20 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.75 |
| | 500 Hz | 102.70 | 0.00 | | 85.20 | 9.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.61 |
| | 1000 Hz | 99.80 | 0.00 | | 85.20 | 18.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.16 |
| | 2000 Hz | 95.50 | 0.00 | | 85.20 | 49.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.28 |
| | 4000 Hz | 84.90 | 0.00 | | 85.20 | 168.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -165.42 |
| | 8000 Hz | 61.80 | 0.00 | | 85.20 | 599.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -620.03 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.61 | 0.65 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 30.34 |
| | 125 Hz | 110.20 | 0.00 | | 85.61 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.38 |
| | 250 Hz | 105.30 | 0.00 | | 85.61 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.07 |
| | 500 Hz | 102.70 | 0.00 | | 85.61 | 10.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.72 |
| | 1000 Hz | 99.80 | 0.00 | | 85.61 | 19.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.49 |
| | 2000 Hz | 95.50 | 0.00 | | 85.61 | 51.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.10 |
| | 4000 Hz | 84.90 | 0.00 | | 85.61 | 176.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -174.01 |
| | 8000 Hz | 61.80 | 0.00 | | 85.61 | 628.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -649.60 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.54 | 0.58 | -3.00 | 0.00 | 0.00 | 1.09 | 0.00 | | 32.09 |
| | 125 Hz | 111.00 | 0.00 | | 84.54 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.51 |
| | 250 Hz | 106.60 | 0.00 | | 84.54 | 4.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.10 |
| | 500 Hz | 103.70 | 0.00 | | 84.54 | 9.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.00 |
| | 1000 Hz | 99.80 | 0.00 | | 84.54 | 17.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.88 |
| | 2000 Hz | 95.60 | 0.00 | | 84.54 | 45.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.88 |
| | 4000 Hz | 86.90 | 0.00 | | 84.54 | 155.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.42 |
| | 8000 Hz | 65.40 | 0.00 | | 84.54 | 555.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -571.74 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.04 | 0.61 | -3.00 | 0.00 | 0.00 | 1.20 | 0.00 | | 31.45 |
| | 125 Hz | 111.00 | 0.00 | | 85.04 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.90 |
| | 250 Hz | 106.60 | 0.00 | | 85.04 | 5.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.31 |
| | 500 Hz | 103.70 | 0.00 | | 85.04 | 9.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.96 |
| | 1000 Hz | 99.80 | 0.00 | | 85.04 | 18.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.64 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 95.60 | 0.00 | | 85.04 | 48.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.08 |
| | 4000 Hz | 86.90 | 0.00 | | 85.04 | 164.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -160.09 |
| | 8000 Hz | 65.40 | 0.00 | | 85.04 | 588.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -604.98 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 84.80 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.41 |
| | 125 Hz | 104.80 | 0.00 | | 84.80 | 2.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.99 |
| | 250 Hz | 101.20 | 0.00 | | 84.80 | 5.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.30 |
| | 500 Hz | 96.80 | 0.00 | | 84.80 | 9.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.57 |
| | 1000 Hz | 92.70 | 0.00 | | 84.80 | 17.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.01 |
| | 2000 Hz | 90.50 | 0.00 | | 84.80 | 47.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.62 |
| | 4000 Hz | 84.90 | 0.00 | | 84.80 | 160.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.37 |
| | 8000 Hz | 70.70 | 0.00 | | 84.80 | 572.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -583.45 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 84.84 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.76 |
| | 125 Hz | 106.90 | 0.00 | | 84.84 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.04 |
| | 250 Hz | 104.10 | 0.00 | | 84.84 | 5.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.13 |
| | 500 Hz | 100.40 | 0.00 | | 84.84 | 9.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.07 |
| | 1000 Hz | 96.10 | 0.00 | | 84.84 | 18.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.74 |
| | 2000 Hz | 90.70 | 0.00 | | 84.84 | 47.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.70 |
| | 4000 Hz | 83.90 | 0.00 | | 84.84 | 161.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -159.23 |
| | 8000 Hz | 75.80 | 0.00 | | 84.84 | 575.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -581.31 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 83.93 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.73 |
| | 125 Hz | 108.80 | 0.00 | | 83.93 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.05 |
| | 250 Hz | 106.10 | 0.00 | | 83.93 | 4.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.55 |
| | 500 Hz | 102.40 | 0.00 | | 83.93 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.93 |
| | 1000 Hz | 98.10 | 0.00 | | 83.93 | 16.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.96 |
| | 2000 Hz | 92.80 | 0.00 | | 83.93 | 42.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.95 |
| | 4000 Hz | 85.90 | 0.00 | | 83.93 | 145.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.26 |
| | 8000 Hz | 77.90 | 0.00 | | 83.93 | 517.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -521.00 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 83.79 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.88 |
| | 125 Hz | 106.90 | 0.00 | | 83.79 | 1.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.32 |
| | 250 Hz | 104.10 | 0.00 | | 83.79 | 4.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.76 |
| | 500 Hz | 100.40 | 0.00 | | 83.79 | 8.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.20 |
| | 1000 Hz | 96.10 | 0.00 | | 83.79 | 15.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.64 |
| | 2000 Hz | 90.70 | 0.00 | | 83.79 | 42.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.23 |
| | 4000 Hz | 83.90 | 0.00 | | 83.79 | 142.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.80 |
| | 8000 Hz | 75.80 | 0.00 | | 83.79 | 509.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -514.71 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.19 | 0.39 | -3.00 | 0.00 | 0.00 | 1.65 | 0.00 | | 30.97 |
| | 125 Hz | 108.80 | 0.00 | | 81.19 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.28 |
| | 250 Hz | 106.10 | 0.00 | | 81.19 | 3.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.54 |
| | 500 Hz | 102.40 | 0.00 | | 81.19 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.98 |
| | 1000 Hz | 98.10 | 0.00 | | 81.19 | 11.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.09 |
| | 2000 Hz | 92.80 | 0.00 | | 81.19 | 31.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.63 |
| | 4000 Hz | 85.90 | 0.00 | | 81.19 | 105.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.22 |
| | 8000 Hz | 77.90 | 0.00 | | 81.19 | 377.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -378.11 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.90 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.86 |
| | 125 Hz | 110.70 | 0.00 | | 79.90 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.65 |
| | 250 Hz | 108.00 | 0.00 | | 79.90 | 2.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.19 |
| | 500 Hz | 104.50 | 0.00 | | 79.90 | 5.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.22 |
| | 1000 Hz | 100.10 | 0.00 | | 79.90 | 10.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.00 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 94.80 | 0.00 | | 79.90 | 26.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.05 |
| | 4000 Hz | 87.90 | 0.00 | | 79.90 | 91.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -80.37 |
| | 8000 Hz | 79.90 | 0.00 | | 79.90 | 325.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -322.89 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 79.46 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.52 |
| | 125 Hz | 110.90 | 0.00 | | 79.46 | 1.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.35 |
| | 250 Hz | 108.10 | 0.00 | | 79.46 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.88 |
| | 500 Hz | 104.40 | 0.00 | | 79.46 | 5.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.83 |
| | 1000 Hz | 100.10 | 0.00 | | 79.46 | 9.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.95 |
| | 2000 Hz | 94.80 | 0.00 | | 79.46 | 25.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.26 |
| | 4000 Hz | 88.00 | 0.00 | | 79.46 | 86.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -75.27 |
| | 8000 Hz | 80.00 | 0.00 | | 79.46 | 309.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -306.09 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 78.11 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.71 |
| | 125 Hz | 110.70 | 0.00 | | 78.11 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.65 |
| | 250 Hz | 108.00 | 0.00 | | 78.11 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.52 |
| | 500 Hz | 104.50 | 0.00 | | 78.11 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.01 |
| | 1000 Hz | 100.10 | 0.00 | | 78.11 | 8.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.69 |
| | 2000 Hz | 94.80 | 0.00 | | 78.11 | 21.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.24 |
| | 4000 Hz | 87.90 | 0.00 | | 78.11 | 74.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -61.55 |
| | 8000 Hz | 79.90 | 0.00 | | 78.11 | 265.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -260.36 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 79.25 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.74 |
| | 125 Hz | 110.90 | 0.00 | | 79.25 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.59 |
| | 250 Hz | 108.10 | 0.00 | | 79.25 | 2.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.16 |
| | 500 Hz | 104.40 | 0.00 | | 79.25 | 4.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.17 |
| | 1000 Hz | 100.10 | 0.00 | | 79.25 | 9.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.40 |
| | 2000 Hz | 94.80 | 0.00 | | 79.25 | 24.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.43 |
| | 4000 Hz | 88.00 | 0.00 | | 79.25 | 84.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -72.96 |
| | 8000 Hz | 80.00 | 0.00 | | 79.25 | 302.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -298.38 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 78.36 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.45 |
| | 125 Hz | 110.70 | 0.00 | | 78.36 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.38 |
| | 250 Hz | 108.00 | 0.00 | | 78.36 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.20 |
| | 500 Hz | 104.50 | 0.00 | | 78.36 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.64 |
| | 1000 Hz | 100.10 | 0.00 | | 78.36 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.20 |
| | 2000 Hz | 94.80 | 0.00 | | 78.36 | 22.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.12 |
| | 4000 Hz | 87.90 | 0.00 | | 78.36 | 76.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -63.96 |
| | 8000 Hz | 79.90 | 0.00 | | 78.36 | 272.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -268.31 |

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|---------|-------------------|------------|------------|------------|---------------|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
| IPkt003 | IP C | 383403.27 | 5775347.51 | 74.111 | 36.42 |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 89.27 | 15.77 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | -9.80 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 79.87 | 5.34 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 8.04 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 82.04 | 6.86 | 4.75 | 0.00 | 0.00 | 0.02 | 0.00 | 4.34 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 72.49 | 2.28 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 | -75.40 |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 78.92 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.98 |
| | 125 Hz | 102.50 | 0.00 | | 78.92 | 1.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.56 |
| | 250 Hz | 99.20 | 0.00 | | 78.92 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.69 |
| | 500 Hz | 96.00 | 0.00 | | 78.92 | 4.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.29 |
| | 1000 Hz | 92.30 | 0.00 | | 78.92 | 9.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.28 |
| | 2000 Hz | 89.10 | 0.00 | | 78.92 | 24.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.87 |
| | 4000 Hz | 85.30 | 0.00 | | 78.92 | 81.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.17 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 80.28 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.57 |
| | 125 Hz | 105.50 | 0.00 | | 80.28 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.03 |
| | 250 Hz | 102.20 | 0.00 | | 80.28 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.89 |
| | 500 Hz | 99.00 | 0.00 | | 80.28 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.12 |
| | 1000 Hz | 95.30 | 0.00 | | 80.28 | 10.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.38 |
| | 2000 Hz | 92.10 | 0.00 | | 80.28 | 28.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.30 |
| | 4000 Hz | 88.30 | 0.00 | | 80.28 | 95.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -84.34 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.65 | 0.11 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | 38.07 |
| | 63 Hz | 116.40 | 0.00 | | 81.65 | 0.41 | -3.00 | 0.00 | 0.00 | 1.93 | 0.00 | | 35.41 |
| | 125 Hz | 110.70 | 0.00 | | 81.65 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.65 |
| | 250 Hz | 104.40 | 0.00 | | 81.65 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.20 |
| | 500 Hz | 101.20 | 0.00 | | 81.65 | 6.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.99 |
| | 1000 Hz | 99.40 | 0.00 | | 81.65 | 12.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.29 |
| | 2000 Hz | 93.80 | 0.00 | | 81.65 | 32.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.77 |
| | 4000 Hz | 86.70 | 0.00 | | 81.65 | 111.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -103.59 |
| | 8000 Hz | 78.40 | 0.00 | | 81.65 | 398.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -398.46 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.60 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.71 |
| | 63 Hz | 116.40 | 0.00 | | 79.60 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.47 |
| | 125 Hz | 110.70 | 0.00 | | 79.60 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.99 |
| | 250 Hz | 104.40 | 0.00 | | 79.60 | 2.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.99 |
| | 500 Hz | 101.20 | 0.00 | | 79.60 | 5.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.41 |
| | 1000 Hz | 99.40 | 0.00 | | 79.60 | 9.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.96 |
| | 2000 Hz | 93.80 | 0.00 | | 79.60 | 26.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.81 |
| | 4000 Hz | 86.70 | 0.00 | | 79.60 | 88.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.12 |
| | 8000 Hz | 78.40 | 0.00 | | 79.60 | 314.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -312.85 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.55 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.74 |
| | 63 Hz | 116.40 | 0.00 | | 81.55 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.44 |
| | 125 Hz | 110.70 | 0.00 | | 81.55 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.76 |
| | 250 Hz | 104.40 | 0.00 | | 81.55 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.33 |
| | 500 Hz | 101.20 | 0.00 | | 81.55 | 6.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.15 |
| | 1000 Hz | 99.40 | 0.00 | | 81.55 | 12.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.52 |
| | 2000 Hz | 93.80 | 0.00 | | 81.55 | 32.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.33 |
| | 4000 Hz | 86.70 | 0.00 | | 81.55 | 110.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.32 |
| | 8000 Hz | 78.40 | 0.00 | | 81.55 | 394.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -394.15 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.93 | 0.11 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | | 37.72 |
| | 63 Hz | 116.40 | 0.00 | | 81.93 | 0.43 | -3.00 | 0.00 | 0.00 | 2.11 | 0.00 | | 34.93 |
| | 125 Hz | 110.70 | 0.00 | | 81.93 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.32 |
| | 250 Hz | 104.40 | 0.00 | | 81.93 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.80 |
| | 500 Hz | 101.20 | 0.00 | | 81.93 | 6.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.49 |
| | 1000 Hz | 99.40 | 0.00 | | 81.93 | 12.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.60 |
| | 2000 Hz | 93.80 | 0.00 | | 81.93 | 34.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.15 |
| | 4000 Hz | 86.70 | 0.00 | | 81.93 | 115.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -107.59 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 81.93 | 411.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -411.97 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.28 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.03 |
| | 63 Hz | 116.40 | 0.00 | | 80.28 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.77 |
| | 125 Hz | 110.70 | 0.00 | | 80.28 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.23 |
| | 250 Hz | 104.40 | 0.00 | | 80.28 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.09 |
| | 500 Hz | 101.20 | 0.00 | | 80.28 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.31 |
| | 1000 Hz | 99.40 | 0.00 | | 80.28 | 10.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.48 |
| | 2000 Hz | 93.80 | 0.00 | | 80.28 | 28.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.60 |
| | 4000 Hz | 86.70 | 0.00 | | 80.28 | 95.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.95 |
| | 8000 Hz | 78.40 | 0.00 | | 80.28 | 340.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -339.03 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.25 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.06 |
| | 63 Hz | 116.40 | 0.00 | | 80.25 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.80 |
| | 125 Hz | 110.70 | 0.00 | | 80.25 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.26 |
| | 250 Hz | 104.40 | 0.00 | | 80.25 | 3.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.12 |
| | 500 Hz | 101.20 | 0.00 | | 80.25 | 5.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.36 |
| | 1000 Hz | 99.40 | 0.00 | | 80.25 | 10.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.54 |
| | 2000 Hz | 93.80 | 0.00 | | 80.25 | 28.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.49 |
| | 4000 Hz | 86.70 | 0.00 | | 80.25 | 95.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.65 |
| | 8000 Hz | 78.40 | 0.00 | | 80.25 | 339.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -338.03 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.87 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.44 |
| | 63 Hz | 116.40 | 0.00 | | 80.87 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.16 |
| | 125 Hz | 110.70 | 0.00 | | 80.87 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.56 |
| | 250 Hz | 104.40 | 0.00 | | 80.87 | 3.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.29 |
| | 500 Hz | 101.20 | 0.00 | | 80.87 | 6.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.33 |
| | 1000 Hz | 99.40 | 0.00 | | 80.87 | 11.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.15 |
| | 2000 Hz | 93.80 | 0.00 | | 80.87 | 30.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.16 |
| | 4000 Hz | 86.70 | 0.00 | | 80.87 | 102.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.22 |
| | 8000 Hz | 78.40 | 0.00 | | 80.87 | 364.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -363.46 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 78.71 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.62 |
| | 63 Hz | 116.40 | 0.00 | | 78.71 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.40 |
| | 125 Hz | 110.70 | 0.00 | | 78.71 | 1.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.00 |
| | 250 Hz | 104.40 | 0.00 | | 78.71 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.16 |
| | 500 Hz | 101.20 | 0.00 | | 78.71 | 4.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.81 |
| | 1000 Hz | 99.40 | 0.00 | | 78.71 | 8.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.81 |
| | 2000 Hz | 93.80 | 0.00 | | 78.71 | 23.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.38 |
| | 4000 Hz | 86.70 | 0.00 | | 78.71 | 79.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.61 |
| | 8000 Hz | 78.40 | 0.00 | | 78.71 | 283.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -281.21 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 79.06 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.96 |
| | 63 Hz | 113.10 | 0.00 | | 79.06 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.73 |
| | 125 Hz | 107.40 | 0.00 | | 79.06 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.30 |
| | 250 Hz | 101.10 | 0.00 | | 79.06 | 2.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.40 |
| | 500 Hz | 97.90 | 0.00 | | 79.06 | 4.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.97 |
| | 1000 Hz | 96.10 | 0.00 | | 79.06 | 9.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.79 |
| | 2000 Hz | 90.50 | 0.00 | | 79.06 | 24.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.00 |
| | 4000 Hz | 83.40 | 0.00 | | 79.06 | 82.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.54 |
| | 8000 Hz | 75.10 | 0.00 | | 79.06 | 295.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -296.56 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.58 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.73 |
| | 63 Hz | 116.40 | 0.00 | | 79.58 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.49 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 110.70 | 0.00 | | 79.58 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.01 |
| | 250 Hz | 104.40 | 0.00 | | 79.58 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |
| | 500 Hz | 101.20 | 0.00 | | 79.58 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.44 |
| | 1000 Hz | 99.40 | 0.00 | | 79.58 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.99 |
| | 2000 Hz | 93.80 | 0.00 | | 79.58 | 25.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.75 |
| | 4000 Hz | 86.70 | 0.00 | | 79.58 | 88.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.94 |
| | 8000 Hz | 78.40 | 0.00 | | 79.58 | 314.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -312.25 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.73 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.57 |
| | 63 Hz | 116.40 | 0.00 | | 80.73 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.30 |
| | 125 Hz | 110.70 | 0.00 | | 80.73 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.71 |
| | 250 Hz | 104.40 | 0.00 | | 80.73 | 3.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.47 |
| | 500 Hz | 101.20 | 0.00 | | 80.73 | 5.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.56 |
| | 1000 Hz | 99.40 | 0.00 | | 80.73 | 11.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.46 |
| | 2000 Hz | 93.80 | 0.00 | | 80.73 | 29.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.55 |
| | 4000 Hz | 86.70 | 0.00 | | 80.73 | 100.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.49 |
| | 8000 Hz | 78.40 | 0.00 | | 80.73 | 358.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -357.63 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 89.56 | 1.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.11 |
| | 125 Hz | 104.80 | 0.00 | | 89.56 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.76 |
| | 250 Hz | 101.50 | 0.00 | | 89.56 | 8.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.11 |
| | 500 Hz | 97.10 | 0.00 | | 89.56 | 16.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.78 |
| | 1000 Hz | 91.00 | 0.00 | | 89.56 | 30.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.54 |
| | 2000 Hz | 86.30 | 0.00 | | 89.56 | 81.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.12 |
| | 4000 Hz | 80.30 | 0.00 | | 89.56 | 277.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -283.85 |
| | 8000 Hz | 74.00 | 0.00 | | 89.56 | 990.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1002.65 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 89.83 | 0.28 | -3.00 | 0.00 | 0.00 | 2.47 | 0.00 | | 25.42 |
| | 63 Hz | 113.00 | 0.00 | | 89.83 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.10 |
| | 125 Hz | 108.60 | 0.00 | | 89.83 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.18 |
| | 250 Hz | 105.70 | 0.00 | | 89.83 | 9.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.75 |
| | 500 Hz | 101.70 | 0.00 | | 89.83 | 16.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.98 |
| | 1000 Hz | 95.50 | 0.00 | | 89.83 | 31.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.31 |
| | 2000 Hz | 89.70 | 0.00 | | 89.83 | 84.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.63 |
| | 4000 Hz | 82.20 | 0.00 | | 89.83 | 286.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -291.17 |
| | 8000 Hz | 74.00 | 0.00 | | 89.83 | 1021.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1034.81 |

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|---------|-------------------|--------|------|--|-------|---------|-------|------|------|------|------|--|----------|
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 89.77 | 0.28 | -3.00 | 0.00 | 0.00 | 2.45 | 0.00 | | 25.50 |
| | 63 Hz | 113.00 | 0.00 | | 89.77 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.17 |
| | 125 Hz | 108.60 | 0.00 | | 89.77 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.26 |
| | 250 Hz | 105.70 | 0.00 | | 89.77 | 9.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.87 |
| | 500 Hz | 101.70 | 0.00 | | 89.77 | 16.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.81 |
| | 1000 Hz | 95.50 | 0.00 | | 89.77 | 31.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.04 |
| | 2000 Hz | 89.70 | 0.00 | | 89.77 | 83.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.01 |
| | 4000 Hz | 82.20 | 0.00 | | 89.77 | 284.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -289.21 |
| | 8000 Hz | 74.00 | 0.00 | | 89.77 | 1015.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1027.97 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 88.90 | 0.25 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | | 26.62 |
| | 63 Hz | 111.30 | 0.00 | | 88.90 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.44 |
| | 125 Hz | 107.40 | 0.00 | | 88.90 | 3.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.27 |
| | 250 Hz | 102.80 | 0.00 | | 88.90 | 8.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.70 |
| | 500 Hz | 99.70 | 0.00 | | 88.90 | 15.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.35 |
| | 1000 Hz | 96.60 | 0.00 | | 88.90 | 28.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.04 |
| | 2000 Hz | 91.70 | 0.00 | | 88.90 | 75.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.13 |
| | 4000 Hz | 85.00 | 0.00 | | 88.90 | 257.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -258.39 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 87.30 | 0.00 | | 88.90 | 918.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -916.97 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 89.89 | 1.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.93 |
| | 125 Hz | 108.60 | 0.00 | | 89.89 | 3.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.09 |
| | 250 Hz | 103.40 | 0.00 | | 89.89 | 9.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.32 |
| | 500 Hz | 99.10 | 0.00 | | 89.89 | 16.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.77 |
| | 1000 Hz | 98.00 | 0.00 | | 89.89 | 32.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.10 |
| | 2000 Hz | 89.80 | 0.00 | | 89.89 | 85.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.19 |
| | 4000 Hz | 85.30 | 0.00 | | 89.89 | 288.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -290.17 |
| | 8000 Hz | 80.10 | 0.00 | | 89.89 | 1029.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1036.05 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 89.75 | 0.28 | -3.00 | 0.00 | 0.00 | 2.50 | 0.00 | | 29.07 |
| | 63 Hz | 112.30 | 0.00 | | 89.75 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.50 |
| | 125 Hz | 108.10 | 0.00 | | 89.75 | 3.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.79 |
| | 250 Hz | 103.50 | 0.00 | | 89.75 | 9.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.72 |
| | 500 Hz | 100.70 | 0.00 | | 89.75 | 16.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.74 |
| | 1000 Hz | 98.30 | 0.00 | | 89.75 | 31.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.12 |
| | 2000 Hz | 93.80 | 0.00 | | 89.75 | 83.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.64 |
| | 4000 Hz | 86.20 | 0.00 | | 89.75 | 283.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -284.36 |
| | 8000 Hz | 78.20 | 0.00 | | 89.75 | 1012.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1020.80 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 89.60 | 0.27 | -3.00 | 0.00 | 0.00 | 2.36 | 0.00 | | 27.37 |
| | 63 Hz | 111.70 | 0.00 | | 89.60 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.06 |
| | 125 Hz | 106.40 | 0.00 | | 89.60 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.30 |
| | 250 Hz | 102.10 | 0.00 | | 89.60 | 8.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.62 |
| | 500 Hz | 99.10 | 0.00 | | 89.60 | 16.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.91 |
| | 1000 Hz | 96.90 | 0.00 | | 89.60 | 31.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.83 |
| | 2000 Hz | 90.50 | 0.00 | | 89.60 | 82.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.36 |
| | 4000 Hz | 81.00 | 0.00 | | 89.60 | 278.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -284.56 |
| | 8000 Hz | 76.50 | 0.00 | | 89.60 | 994.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1005.06 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 90.00 | 0.29 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | | 28.60 |
| | 63 Hz | 110.40 | 0.00 | | 90.00 | 1.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.31 |
| | 125 Hz | 107.20 | 0.00 | | 90.00 | 3.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.53 |
| | 250 Hz | 101.70 | 0.00 | | 90.00 | 9.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.39 |
| | 500 Hz | 98.20 | 0.00 | | 90.00 | 17.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.99 |
| | 1000 Hz | 95.60 | 0.00 | | 90.00 | 32.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.02 |
| | 2000 Hz | 93.70 | 0.00 | | 90.00 | 86.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.49 |
| | 4000 Hz | 90.70 | 0.00 | | 90.00 | 292.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -288.56 |
| | 8000 Hz | 79.50 | 0.00 | | 90.00 | 1042.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1049.89 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.15 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.51 |
| | 63 Hz | 111.60 | 0.00 | | 84.15 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.90 |
| | 125 Hz | 108.60 | 0.00 | | 84.15 | 1.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.58 |
| | 250 Hz | 106.50 | 0.00 | | 84.15 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.61 |
| | 500 Hz | 102.90 | 0.00 | | 84.15 | 8.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.99 |
| | 1000 Hz | 99.60 | 0.00 | | 84.15 | 16.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.83 |
| | 2000 Hz | 95.90 | 0.00 | | 84.15 | 43.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.17 |
| | 4000 Hz | 90.10 | 0.00 | | 84.15 | 148.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.98 |
| | 8000 Hz | 76.30 | 0.00 | | 84.15 | 531.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -536.04 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.71 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.96 |
| | 63 Hz | 111.60 | 0.00 | | 83.71 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.37 |
| | 125 Hz | 108.60 | 0.00 | | 83.71 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.12 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.50 | 0.00 | | 83.71 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.29 |
| | 500 Hz | 102.90 | 0.00 | | 83.71 | 8.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.87 |
| | 1000 Hz | 99.60 | 0.00 | | 83.71 | 15.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.10 |
| | 2000 Hz | 95.90 | 0.00 | | 83.71 | 41.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.54 |
| | 4000 Hz | 90.10 | 0.00 | | 83.71 | 141.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.14 |
| | 8000 Hz | 76.30 | 0.00 | | 83.71 | 504.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -509.19 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.93 | 0.14 | -3.00 | 0.00 | 0.00 | 3.17 | 0.00 | | 29.56 |
| | 63 Hz | 111.60 | 0.00 | | 83.93 | 0.54 | -3.00 | 0.00 | 0.00 | 0.59 | 0.00 | | 29.54 |
| | 125 Hz | 108.60 | 0.00 | | 83.93 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.85 |
| | 250 Hz | 106.50 | 0.00 | | 83.93 | 4.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.95 |
| | 500 Hz | 102.90 | 0.00 | | 83.93 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.43 |
| | 1000 Hz | 99.60 | 0.00 | | 83.93 | 16.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.47 |
| | 2000 Hz | 95.90 | 0.00 | | 83.93 | 42.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.85 |
| | 4000 Hz | 90.10 | 0.00 | | 83.93 | 145.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.04 |
| | 8000 Hz | 76.30 | 0.00 | | 83.93 | 517.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -522.54 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.24 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.43 |
| | 63 Hz | 111.60 | 0.00 | | 83.24 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.86 |
| | 125 Hz | 108.60 | 0.00 | | 83.24 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.68 |
| | 250 Hz | 106.50 | 0.00 | | 83.24 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.99 |
| | 500 Hz | 102.90 | 0.00 | | 83.24 | 7.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.77 |
| | 1000 Hz | 99.60 | 0.00 | | 83.24 | 14.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.39 |
| | 2000 Hz | 95.90 | 0.00 | | 83.24 | 39.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.89 |
| | 4000 Hz | 90.10 | 0.00 | | 83.24 | 134.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.27 |
| | 8000 Hz | 76.30 | 0.00 | | 83.24 | 478.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -482.34 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.39 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.29 |
| | 63 Hz | 111.60 | 0.00 | | 82.39 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 125 Hz | 108.60 | 0.00 | | 82.39 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.68 |
| | 250 Hz | 106.50 | 0.00 | | 82.39 | 3.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.24 |
| | 500 Hz | 102.90 | 0.00 | | 82.39 | 7.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.35 |
| | 1000 Hz | 99.60 | 0.00 | | 82.39 | 13.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.63 |
| | 2000 Hz | 95.90 | 0.00 | | 82.39 | 35.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.36 |
| | 4000 Hz | 90.10 | 0.00 | | 82.39 | 121.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.94 |
| | 8000 Hz | 76.30 | 0.00 | | 82.39 | 433.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.97 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.99 | 0.13 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 32.26 |
| | 63 Hz | 111.60 | 0.00 | | 82.99 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.13 |
| | 125 Hz | 108.60 | 0.00 | | 82.99 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.98 |
| | 250 Hz | 106.50 | 0.00 | | 82.99 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.36 |
| | 500 Hz | 102.90 | 0.00 | | 82.99 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.24 |
| | 1000 Hz | 99.60 | 0.00 | | 82.99 | 14.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.07 |
| | 2000 Hz | 95.90 | 0.00 | | 82.99 | 38.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.52 |
| | 4000 Hz | 90.10 | 0.00 | | 82.99 | 130.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.23 |
| | 8000 Hz | 76.30 | 0.00 | | 82.99 | 464.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -468.55 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.77 | 0.11 | -3.00 | 0.00 | 0.00 | 1.30 | 0.00 | | 33.62 |
| | 63 Hz | 111.60 | 0.00 | | 81.77 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.41 |
| | 125 Hz | 108.60 | 0.00 | | 81.77 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.41 |
| | 250 Hz | 106.50 | 0.00 | | 81.77 | 3.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.12 |
| | 500 Hz | 102.90 | 0.00 | | 81.77 | 6.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.47 |
| | 1000 Hz | 99.60 | 0.00 | | 81.77 | 12.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.19 |
| | 2000 Hz | 95.90 | 0.00 | | 81.77 | 33.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.28 |
| | 4000 Hz | 90.10 | 0.00 | | 81.77 | 113.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.95 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 76.30 | 0.00 | | 81.77 | 404.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -406.50 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.30 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.39 |
| | 63 Hz | 111.60 | 0.00 | | 81.30 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.90 |
| | 125 Hz | 108.60 | 0.00 | | 81.30 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.95 |
| | 250 Hz | 106.50 | 0.00 | | 81.30 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 500 Hz | 102.90 | 0.00 | | 81.30 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.28 |
| | 1000 Hz | 99.60 | 0.00 | | 81.30 | 11.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.32 |
| | 2000 Hz | 95.90 | 0.00 | | 81.30 | 31.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.06 |
| | 4000 Hz | 90.10 | 0.00 | | 81.30 | 107.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.55 |
| | 8000 Hz | 76.30 | 0.00 | | 81.30 | 382.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -384.86 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 82.61 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.18 |
| | 125 Hz | 5.20 | 0.00 | | 82.61 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.98 |
| | 250 Hz | 1.90 | 0.00 | | 82.61 | 3.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.68 |
| | 500 Hz | -1.30 | 0.00 | | 82.61 | 7.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.25 |
| | 1000 Hz | -5.00 | 0.00 | | 82.61 | 13.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.54 |
| | 2000 Hz | -8.20 | 0.00 | | 82.61 | 36.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.61 |
| | 4000 Hz | -12.00 | 0.00 | | 82.61 | 124.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -216.40 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 80.77 | 0.37 | -3.00 | 0.00 | 0.00 | 1.74 | 0.00 | | 28.32 |
| | 125 Hz | 106.50 | 0.00 | | 80.77 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.47 |
| | 250 Hz | 103.20 | 0.00 | | 80.77 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.22 |
| | 500 Hz | 100.00 | 0.00 | | 80.77 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.30 |
| | 1000 Hz | 96.30 | 0.00 | | 80.77 | 11.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.27 |
| | 2000 Hz | 93.10 | 0.00 | | 80.77 | 29.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.43 |
| | 4000 Hz | 89.30 | 0.00 | | 80.77 | 100.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.38 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.70 | 0.12 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | | 31.33 |
| | 63 Hz | 110.90 | 0.00 | | 82.70 | 0.47 | -3.00 | 0.00 | 0.00 | 2.13 | 0.00 | | 28.61 |
| | 125 Hz | 108.00 | 0.00 | | 82.70 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.72 |
| | 250 Hz | 103.80 | 0.00 | | 82.70 | 4.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.09 |
| | 500 Hz | 101.90 | 0.00 | | 82.70 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.79 |
| | 1000 Hz | 98.90 | 0.00 | | 82.70 | 14.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.14 |
| | 2000 Hz | 94.60 | 0.00 | | 82.70 | 37.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.25 |
| | 4000 Hz | 88.20 | 0.00 | | 82.70 | 126.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.50 |
| | 8000 Hz | 78.80 | 0.00 | | 82.70 | 449.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -450.32 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.45 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.24 |
| | 63 Hz | 110.90 | 0.00 | | 81.45 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.04 |
| | 125 Hz | 108.00 | 0.00 | | 81.45 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.18 |
| | 250 Hz | 103.80 | 0.00 | | 81.45 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.87 |
| | 500 Hz | 101.90 | 0.00 | | 81.45 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.02 |
| | 1000 Hz | 98.90 | 0.00 | | 81.45 | 12.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.26 |
| | 2000 Hz | 94.60 | 0.00 | | 81.45 | 32.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.06 |
| | 4000 Hz | 88.20 | 0.00 | | 81.45 | 109.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.48 |
| | 8000 Hz | 78.80 | 0.00 | | 81.45 | 389.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -389.22 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.65 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.04 |
| | 63 Hz | 110.90 | 0.00 | | 81.65 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.84 |
| | 125 Hz | 108.00 | 0.00 | | 81.65 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.95 |
| | 250 Hz | 103.80 | 0.00 | | 81.65 | 3.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.60 |
| | 500 Hz | 101.90 | 0.00 | | 81.65 | 6.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.68 |
| | 1000 Hz | 98.90 | 0.00 | | 81.65 | 12.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.79 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 94.60 | 0.00 | | 81.65 | 32.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.99 |
| | 4000 Hz | 88.20 | 0.00 | | 81.65 | 111.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -102.14 |
| | 8000 Hz | 78.80 | 0.00 | | 81.65 | 398.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -398.22 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.69 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.02 |
| | 63 Hz | 110.90 | 0.00 | | 80.69 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.84 |
| | 125 Hz | 108.00 | 0.00 | | 80.69 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.06 |
| | 250 Hz | 103.80 | 0.00 | | 80.69 | 3.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.93 |
| | 500 Hz | 101.90 | 0.00 | | 80.69 | 5.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.33 |
| | 1000 Hz | 98.90 | 0.00 | | 80.69 | 11.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.06 |
| | 2000 Hz | 94.60 | 0.00 | | 80.69 | 29.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.57 |
| | 4000 Hz | 88.20 | 0.00 | | 80.69 | 99.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.46 |
| | 8000 Hz | 78.80 | 0.00 | | 80.69 | 356.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -355.45 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 80.98 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.12 |
| | 63 Hz | 122.10 | 0.00 | | 80.98 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.74 |
| | 125 Hz | 115.00 | 0.00 | | 80.98 | 1.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.72 |
| | 250 Hz | 108.00 | 0.00 | | 80.98 | 3.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.73 |
| | 500 Hz | 103.90 | 0.00 | | 80.98 | 6.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.84 |
| | 1000 Hz | 101.60 | 0.00 | | 80.98 | 11.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.08 |
| | 2000 Hz | 96.70 | 0.00 | | 80.98 | 30.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.78 |
| | 4000 Hz | 88.60 | 0.00 | | 80.98 | 103.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -92.80 |
| | 8000 Hz | 80.90 | 0.00 | | 80.98 | 368.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -365.94 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 81.32 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.79 |
| | 125 Hz | 109.80 | 0.00 | | 81.32 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.14 |
| | 250 Hz | 107.40 | 0.00 | | 81.32 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.66 |
| | 500 Hz | 101.60 | 0.00 | | 81.32 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.96 |
| | 1000 Hz | 94.50 | 0.00 | | 81.32 | 12.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 |
| | 2000 Hz | 88.00 | 0.00 | | 81.32 | 31.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.01 |
| | 4000 Hz | 85.30 | 0.00 | | 81.32 | 107.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.50 |
| | 8000 Hz | 79.90 | 0.00 | | 81.32 | 383.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -381.79 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.98 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.24 |
| | 125 Hz | 110.80 | 0.00 | | 80.98 | 1.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.52 |
| | 250 Hz | 105.10 | 0.00 | | 80.98 | 3.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.83 |
| | 500 Hz | 102.60 | 0.00 | | 80.98 | 6.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.54 |
| | 1000 Hz | 99.60 | 0.00 | | 80.98 | 11.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.08 |
| | 2000 Hz | 93.10 | 0.00 | | 80.98 | 30.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.37 |
| | 4000 Hz | 80.70 | 0.00 | | 80.98 | 103.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.68 |
| | 8000 Hz | 77.00 | 0.00 | | 80.98 | 368.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -369.79 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.64 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.59 |
| | 125 Hz | 110.80 | 0.00 | | 80.64 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.91 |
| | 250 Hz | 105.10 | 0.00 | | 80.64 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.29 |
| | 500 Hz | 102.60 | 0.00 | | 80.64 | 5.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.11 |
| | 1000 Hz | 99.60 | 0.00 | | 80.64 | 11.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.86 |
| | 2000 Hz | 93.10 | 0.00 | | 80.64 | 29.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.87 |
| | 4000 Hz | 80.70 | 0.00 | | 80.64 | 99.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -96.41 |
| | 8000 Hz | 77.00 | 0.00 | | 80.64 | 354.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -355.42 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.22 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 |
| | 125 Hz | 110.80 | 0.00 | | 80.22 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.39 |
| | 250 Hz | 105.10 | 0.00 | | 80.22 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.86 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.60 | 0.00 | | 80.22 | 5.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.81 |
| | 1000 Hz | 99.60 | 0.00 | | 80.22 | 10.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.80 |
| | 2000 Hz | 93.10 | 0.00 | | 80.22 | 27.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.06 |
| | 4000 Hz | 80.70 | 0.00 | | 80.22 | 94.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.28 |
| | 8000 Hz | 77.00 | 0.00 | | 80.22 | 337.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -338.20 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 81.82 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.16 |
| | 125 Hz | 104.80 | 0.00 | | 81.82 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.55 |
| | 250 Hz | 99.40 | 0.00 | | 81.82 | 3.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.96 |
| | 500 Hz | 95.00 | 0.00 | | 81.82 | 6.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.48 |
| | 1000 Hz | 93.20 | 0.00 | | 81.82 | 12.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.67 |
| | 2000 Hz | 89.10 | 0.00 | | 81.82 | 33.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.30 |
| | 4000 Hz | 83.90 | 0.00 | | 81.82 | 113.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.81 |
| | 8000 Hz | 82.20 | 0.00 | | 81.82 | 406.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.83 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.19 | 1.24 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.09 |
| | 125 Hz | 111.00 | 0.00 | | 91.19 | 4.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.83 |
| | 250 Hz | 106.60 | 0.00 | | 91.19 | 10.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.97 |
| | 500 Hz | 103.70 | 0.00 | | 91.19 | 19.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -8.97 |
| | 1000 Hz | 99.80 | 0.00 | | 91.19 | 37.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -30.56 |
| | 2000 Hz | 95.60 | 0.00 | | 91.19 | 98.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -96.19 |
| | 4000 Hz | 86.90 | 0.00 | | 91.19 | 335.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -341.18 |
| | 8000 Hz | 65.40 | 0.00 | | 91.19 | 1195.26 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1222.82 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.82 | 1.19 | -3.00 | 0.00 | 0.00 | 4.15 | 0.00 | | 22.15 |
| | 125 Hz | 111.00 | 0.00 | | 90.82 | 4.02 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 15.73 |
| | 250 Hz | 106.60 | 0.00 | | 90.82 | 10.22 | -3.00 | 0.00 | 0.00 | 1.47 | 0.00 | | 7.09 |
| | 500 Hz | 103.70 | 0.00 | | 90.82 | 18.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.99 |
| | 1000 Hz | 99.80 | 0.00 | | 90.82 | 35.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.83 |
| | 2000 Hz | 95.60 | 0.00 | | 90.82 | 94.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.85 |
| | 4000 Hz | 86.90 | 0.00 | | 90.82 | 320.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -321.83 |
| | 8000 Hz | 65.40 | 0.00 | | 90.82 | 1144.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1166.99 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.99 | 1.08 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | | 23.19 |
| | 125 Hz | 111.00 | 0.00 | | 89.99 | 3.66 | -3.00 | 0.00 | 0.00 | 3.18 | 0.00 | | 17.17 |
| | 250 Hz | 106.60 | 0.00 | | 89.99 | 9.29 | -3.00 | 0.00 | 0.00 | 0.65 | 0.00 | | 9.67 |
| | 500 Hz | 103.70 | 0.00 | | 89.99 | 17.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.44 |
| | 1000 Hz | 99.80 | 0.00 | | 89.99 | 32.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.74 |
| | 2000 Hz | 95.60 | 0.00 | | 89.99 | 86.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.41 |
| | 4000 Hz | 86.90 | 0.00 | | 89.99 | 291.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -291.80 |
| | 8000 Hz | 65.40 | 0.00 | | 89.99 | 1040.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1062.03 |

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|---------|---------------------|--------|------|--|-------|---------|-------|------|------|------|------|--|----------|
| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 89.85 | 1.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.21 |
| | 125 Hz | 110.20 | 0.00 | | 89.85 | 3.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.97 |
| | 250 Hz | 105.30 | 0.00 | | 89.85 | 9.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.53 |
| | 500 Hz | 102.70 | 0.00 | | 89.85 | 16.90 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -5.82 |
| | 1000 Hz | 99.80 | 0.00 | | 89.85 | 32.06 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -23.88 |
| | 2000 Hz | 95.50 | 0.00 | | 89.85 | 84.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -80.84 |
| | 4000 Hz | 84.90 | 0.00 | | 89.85 | 287.27 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -293.99 |
| | 8000 Hz | 61.80 | 0.00 | | 89.85 | 1024.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1054.40 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 89.80 | 1.06 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.27 |
| | 125 Hz | 110.20 | 0.00 | | 89.80 | 3.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.05 |
| | 250 Hz | 105.30 | 0.00 | | 89.80 | 9.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.64 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|--|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.70 | 0.00 | | 89.80 | 16.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -5.66 |
| | 1000 Hz | 99.80 | 0.00 | | 89.80 | 31.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -23.63 |
| | 2000 Hz | 95.50 | 0.00 | | 89.80 | 84.18 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -80.25 |
| | 4000 Hz | 84.90 | 0.00 | | 89.80 | 285.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -292.14 |
| | 8000 Hz | 61.80 | 0.00 | | 89.80 | 1018.18 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1047.95 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.26 | 1.00 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.27 |
| | 125 Hz | 111.00 | 0.00 | | 89.26 | 3.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.60 |
| | 250 Hz | 106.60 | 0.00 | | 89.26 | 8.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.02 |
| | 500 Hz | 103.70 | 0.00 | | 89.26 | 15.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -3.12 |
| | 1000 Hz | 99.80 | 0.00 | | 89.26 | 29.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -21.19 |
| | 2000 Hz | 95.60 | 0.00 | | 89.26 | 79.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -74.59 |
| | 4000 Hz | 86.90 | 0.00 | | 89.26 | 268.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -272.56 |
| | 8000 Hz | 65.40 | 0.00 | | 89.26 | 957.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -983.00 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.19 | 0.99 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.35 |
| | 125 Hz | 111.00 | 0.00 | | 89.19 | 3.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.70 |
| | 250 Hz | 106.60 | 0.00 | | 89.19 | 8.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.16 |
| | 500 Hz | 103.70 | 0.00 | | 89.19 | 15.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.92 |
| | 1000 Hz | 99.80 | 0.00 | | 89.19 | 29.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -20.87 |
| | 2000 Hz | 95.60 | 0.00 | | 89.19 | 78.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -73.86 |
| | 4000 Hz | 86.90 | 0.00 | | 89.19 | 266.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -270.26 |
| | 8000 Hz | 65.40 | 0.00 | | 89.19 | 949.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -974.99 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 80.17 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.28 |
| | 125 Hz | 104.80 | 0.00 | | 80.17 | 1.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.45 |
| | 250 Hz | 101.20 | 0.00 | | 80.17 | 3.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.03 |
| | 500 Hz | 96.80 | 0.00 | | 80.17 | 5.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.08 |
| | 1000 Hz | 92.70 | 0.00 | | 80.17 | 10.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.01 |
| | 2000 Hz | 90.50 | 0.00 | | 80.17 | 27.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.46 |
| | 4000 Hz | 84.90 | 0.00 | | 80.17 | 94.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.51 |
| | 8000 Hz | 70.70 | 0.00 | | 80.17 | 336.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -342.60 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 77.04 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.92 |
| | 125 Hz | 106.90 | 0.00 | | 77.04 | 0.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.04 |
| | 250 Hz | 104.10 | 0.00 | | 77.04 | 2.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.97 |
| | 500 Hz | 100.40 | 0.00 | | 77.04 | 3.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.49 |
| | 1000 Hz | 96.10 | 0.00 | | 77.04 | 7.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.73 |
| | 2000 Hz | 90.70 | 0.00 | | 77.04 | 19.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.72 |
| | 4000 Hz | 83.90 | 0.00 | | 77.04 | 65.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.85 |
| | 8000 Hz | 75.80 | 0.00 | | 77.04 | 234.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -232.60 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 78.78 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.13 |
| | 125 Hz | 108.80 | 0.00 | | 78.78 | 1.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.02 |
| | 250 Hz | 106.10 | 0.00 | | 78.78 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.77 |
| | 500 Hz | 102.40 | 0.00 | | 78.78 | 4.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.91 |
| | 1000 Hz | 98.10 | 0.00 | | 78.78 | 8.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.37 |
| | 2000 Hz | 92.80 | 0.00 | | 78.78 | 23.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.64 |
| | 4000 Hz | 85.90 | 0.00 | | 78.78 | 80.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.11 |
| | 8000 Hz | 77.90 | 0.00 | | 78.78 | 286.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -284.04 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 78.15 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.77 |
| | 125 Hz | 106.90 | 0.00 | | 78.15 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.82 |
| | 250 Hz | 104.10 | 0.00 | | 78.15 | 2.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.57 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 100.40 | 0.00 | | 78.15 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.86 |
| | 1000 Hz | 96.10 | 0.00 | | 78.15 | 8.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.62 |
| | 2000 Hz | 90.70 | 0.00 | | 78.15 | 22.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.46 |
| | 4000 Hz | 83.90 | 0.00 | | 78.15 | 74.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.90 |
| | 8000 Hz | 75.80 | 0.00 | | 78.15 | 266.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -265.59 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.76 | 0.42 | -3.00 | 0.00 | 0.00 | 2.31 | 0.00 | | 29.72 |
| | 125 Hz | 108.80 | 0.00 | | 81.76 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.62 |
| | 250 Hz | 106.10 | 0.00 | | 81.76 | 3.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.74 |
| | 500 Hz | 102.40 | 0.00 | | 81.76 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.99 |
| | 1000 Hz | 98.10 | 0.00 | | 81.76 | 12.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.72 |
| | 2000 Hz | 92.80 | 0.00 | | 81.76 | 33.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.31 |
| | 4000 Hz | 85.90 | 0.00 | | 81.76 | 113.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.96 |
| | 8000 Hz | 77.90 | 0.00 | | 81.76 | 403.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -404.25 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.87 | 0.48 | -3.00 | 0.00 | 0.00 | 2.34 | 0.00 | | 30.41 |
| | 125 Hz | 110.70 | 0.00 | | 82.87 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.22 |
| | 250 Hz | 108.00 | 0.00 | | 82.87 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.04 |
| | 500 Hz | 104.50 | 0.00 | | 82.87 | 7.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.07 |
| | 1000 Hz | 100.10 | 0.00 | | 82.87 | 14.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.89 |
| | 2000 Hz | 94.80 | 0.00 | | 82.87 | 37.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.97 |
| | 4000 Hz | 87.90 | 0.00 | | 82.87 | 128.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.49 |
| | 8000 Hz | 79.90 | 0.00 | | 82.87 | 458.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -458.36 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 83.59 | 0.52 | -3.00 | 0.00 | 0.00 | 2.72 | 0.00 | | 29.48 |
| | 125 Hz | 110.90 | 0.00 | | 83.59 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.56 |
| | 250 Hz | 108.10 | 0.00 | | 83.59 | 4.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.07 |
| | 500 Hz | 104.40 | 0.00 | | 83.59 | 8.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.61 |
| | 1000 Hz | 100.10 | 0.00 | | 83.59 | 15.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.94 |
| | 2000 Hz | 94.80 | 0.00 | | 83.59 | 41.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.95 |
| | 4000 Hz | 88.00 | 0.00 | | 83.59 | 139.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.17 |
| | 8000 Hz | 80.00 | 0.00 | | 83.59 | 497.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -498.44 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 83.99 | 0.54 | -3.00 | 0.00 | 0.00 | 3.13 | 0.00 | | 28.43 |
| | 125 Hz | 110.70 | 0.00 | | 83.99 | 1.83 | -3.00 | 0.00 | 0.00 | 0.53 | 0.00 | | 27.34 |
| | 250 Hz | 108.00 | 0.00 | | 83.99 | 4.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.35 |
| | 500 Hz | 104.50 | 0.00 | | 83.99 | 8.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.90 |
| | 1000 Hz | 100.10 | 0.00 | | 83.99 | 16.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.78 |
| | 2000 Hz | 94.80 | 0.00 | | 83.99 | 43.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.33 |
| | 4000 Hz | 87.90 | 0.00 | | 83.99 | 146.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.38 |
| | 8000 Hz | 79.90 | 0.00 | | 83.99 | 521.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -522.86 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 84.28 | 0.56 | -3.00 | 0.00 | 0.00 | 2.99 | 0.00 | | 28.47 |
| | 125 Hz | 110.90 | 0.00 | | 84.28 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.72 |
| | 250 Hz | 108.10 | 0.00 | | 84.28 | 4.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.01 |
| | 500 Hz | 104.40 | 0.00 | | 84.28 | 8.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.23 |
| | 1000 Hz | 100.10 | 0.00 | | 84.28 | 16.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.95 |
| | 2000 Hz | 94.80 | 0.00 | | 84.28 | 44.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.07 |
| | 4000 Hz | 88.00 | 0.00 | | 84.28 | 151.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.49 |
| | 8000 Hz | 80.00 | 0.00 | | 84.28 | 539.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -540.60 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 85.07 | 0.61 | -3.00 | 0.00 | 0.00 | 3.11 | 0.00 | | 27.30 |
| | 125 Hz | 110.70 | 0.00 | | 85.07 | 2.08 | -3.00 | 0.00 | 0.00 | 0.45 | 0.00 | | 26.11 |
| | 250 Hz | 108.00 | 0.00 | | 85.07 | 5.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.66 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 500 Hz | 104.50 | 0.00 | | 85.07 | 9.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.69 |
| | 1000 Hz | 100.10 | 0.00 | | 85.07 | 18.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.45 |
| | 2000 Hz | 94.80 | 0.00 | | 85.07 | 48.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -36.11 |
| | 4000 Hz | 87.90 | 0.00 | | 85.07 | 165.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -159.79 |
| | 8000 Hz | 79.90 | 0.00 | | 85.07 | 590.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -592.88 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt004 | IP D | 385216.41 | 5778096.69 | 77.779 | 32.41 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 90.04 | 17.23 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | -12.02 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 85.29 | 9.97 | 4.72 | 0.00 | 0.00 | 0.00 | 0.00 | -1.97 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 87.01 | 12.15 | 4.65 | 0.00 | 0.00 | 0.12 | 0.00 | -5.92 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 82.74 | 7.44 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | -90.87 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 86.23 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.27 |
| | 125 Hz | 102.50 | 0.00 | | 86.23 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.90 |
| | 250 Hz | 99.20 | 0.00 | | 86.23 | 6.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.95 |
| | 500 Hz | 96.00 | 0.00 | | 86.23 | 11.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 |
| | 1000 Hz | 92.30 | 0.00 | | 86.23 | 21.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.05 |
| | 2000 Hz | 89.10 | 0.00 | | 86.23 | 55.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.93 |
| | 4000 Hz | 85.30 | 0.00 | | 86.23 | 189.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -187.16 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 86.85 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.60 |
| | 125 Hz | 105.50 | 0.00 | | 86.85 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.10 |
| | 250 Hz | 102.20 | 0.00 | | 86.85 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.88 |
| | 500 Hz | 99.00 | 0.00 | | 86.85 | 11.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 |
| | 1000 Hz | 95.30 | 0.00 | | 86.85 | 22.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.23 |
| | 2000 Hz | 92.10 | 0.00 | | 86.85 | 59.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -51.68 |
| | 4000 Hz | 88.30 | 0.00 | | 86.85 | 203.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -198.80 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.49 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.70 |
| | 63 Hz | 116.40 | 0.00 | | 87.49 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.10 |
| | 125 Hz | 110.70 | 0.00 | | 87.49 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.47 |
| | 250 Hz | 104.40 | 0.00 | | 87.49 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.95 |
| | 500 Hz | 101.20 | 0.00 | | 87.49 | 12.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 |
| | 1000 Hz | 99.40 | 0.00 | | 87.49 | 24.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.50 |
| | 2000 Hz | 93.80 | 0.00 | | 87.49 | 64.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -55.19 |
| | 4000 Hz | 86.70 | 0.00 | | 87.49 | 218.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -216.53 |
| | 8000 Hz | 78.40 | 0.00 | | 87.49 | 780.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -786.27 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.15 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.07 |
| | 63 Hz | 116.40 | 0.00 | | 86.15 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.56 |
| | 125 Hz | 110.70 | 0.00 | | 86.15 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.20 |
| | 250 Hz | 104.40 | 0.00 | | 86.15 | 5.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.28 |
| | 500 Hz | 101.20 | 0.00 | | 86.15 | 11.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 |
| | 1000 Hz | 99.40 | 0.00 | | 86.15 | 20.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.67 |
| | 2000 Hz | 93.80 | 0.00 | | 86.15 | 55.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -44.64 |
| | 4000 Hz | 86.70 | 0.00 | | 86.15 | 187.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -183.94 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 86.15 | 668.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -673.48 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.47 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.72 |
| | 63 Hz | 116.40 | 0.00 | | 87.47 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.12 |
| | 125 Hz | 110.70 | 0.00 | | 87.47 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.49 |
| | 250 Hz | 104.40 | 0.00 | | 87.47 | 6.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.98 |
| | 500 Hz | 101.20 | 0.00 | | 87.47 | 12.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.89 |
| | 1000 Hz | 99.40 | 0.00 | | 87.47 | 24.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.43 |
| | 2000 Hz | 93.80 | 0.00 | | 87.47 | 64.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.05 |
| | 4000 Hz | 86.70 | 0.00 | | 87.47 | 218.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -216.09 |
| | 8000 Hz | 78.40 | 0.00 | | 87.47 | 778.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -784.75 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.66 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.52 |
| | 63 Hz | 116.40 | 0.00 | | 87.66 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.91 |
| | 125 Hz | 110.70 | 0.00 | | 87.66 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.24 |
| | 250 Hz | 104.40 | 0.00 | | 87.66 | 7.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.64 |
| | 500 Hz | 101.20 | 0.00 | | 87.66 | 13.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.41 |
| | 1000 Hz | 99.40 | 0.00 | | 87.66 | 24.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.16 |
| | 2000 Hz | 93.80 | 0.00 | | 87.66 | 65.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.67 |
| | 4000 Hz | 86.70 | 0.00 | | 87.66 | 223.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.12 |
| | 8000 Hz | 78.40 | 0.00 | | 87.66 | 795.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -802.18 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.82 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.38 |
| | 63 Hz | 116.40 | 0.00 | | 86.82 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.83 |
| | 125 Hz | 110.70 | 0.00 | | 86.82 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.34 |
| | 250 Hz | 104.40 | 0.00 | | 86.82 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.13 |
| | 500 Hz | 101.20 | 0.00 | | 86.82 | 11.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.47 |
| | 1000 Hz | 99.40 | 0.00 | | 86.82 | 22.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.02 |
| | 2000 Hz | 93.80 | 0.00 | | 86.82 | 59.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.75 |
| | 4000 Hz | 86.70 | 0.00 | | 86.82 | 202.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.67 |
| | 8000 Hz | 78.40 | 0.00 | | 86.82 | 722.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -727.86 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.83 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.37 |
| | 63 Hz | 116.40 | 0.00 | | 86.83 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.82 |
| | 125 Hz | 110.70 | 0.00 | | 86.83 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.33 |
| | 250 Hz | 104.40 | 0.00 | | 86.83 | 6.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.11 |
| | 500 Hz | 101.20 | 0.00 | | 86.83 | 11.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.44 |
| | 1000 Hz | 99.40 | 0.00 | | 86.83 | 22.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.06 |
| | 2000 Hz | 93.80 | 0.00 | | 86.83 | 59.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.83 |
| | 4000 Hz | 86.70 | 0.00 | | 86.83 | 202.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.93 |
| | 8000 Hz | 78.40 | 0.00 | | 86.83 | 723.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -728.75 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.11 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.08 |
| | 63 Hz | 116.40 | 0.00 | | 87.11 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.51 |
| | 125 Hz | 110.70 | 0.00 | | 87.11 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.96 |
| | 250 Hz | 104.40 | 0.00 | | 87.11 | 6.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.61 |
| | 500 Hz | 101.20 | 0.00 | | 87.11 | 12.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.76 |
| | 1000 Hz | 99.40 | 0.00 | | 87.11 | 23.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.10 |
| | 2000 Hz | 93.80 | 0.00 | | 87.11 | 61.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.11 |
| | 4000 Hz | 86.70 | 0.00 | | 87.11 | 209.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -206.97 |
| | 8000 Hz | 78.40 | 0.00 | | 87.11 | 747.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -753.13 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.11 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.10 |
| | 63 Hz | 116.40 | 0.00 | | 86.11 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.59 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 110.70 | 0.00 | | 86.11 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.24 |
| | 250 Hz | 104.40 | 0.00 | | 86.11 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.34 |
| | 500 Hz | 101.20 | 0.00 | | 86.11 | 10.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.10 |
| | 1000 Hz | 99.40 | 0.00 | | 86.11 | 20.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.55 |
| | 2000 Hz | 93.80 | 0.00 | | 86.11 | 55.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.38 |
| | 4000 Hz | 86.70 | 0.00 | | 86.11 | 186.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -183.16 |
| | 8000 Hz | 78.40 | 0.00 | | 86.11 | 666.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -670.78 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 86.30 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.62 |
| | 63 Hz | 113.10 | 0.00 | | 86.30 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.10 |
| | 125 Hz | 107.40 | 0.00 | | 86.30 | 2.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.71 |
| | 250 Hz | 101.10 | 0.00 | | 86.30 | 6.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.73 |
| | 500 Hz | 97.90 | 0.00 | | 86.30 | 11.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.39 |
| | 1000 Hz | 96.10 | 0.00 | | 86.30 | 21.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.48 |
| | 2000 Hz | 90.50 | 0.00 | | 86.30 | 56.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.03 |
| | 4000 Hz | 83.40 | 0.00 | | 86.30 | 190.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.61 |
| | 8000 Hz | 75.10 | 0.00 | | 86.30 | 680.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -688.40 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.48 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.73 |
| | 63 Hz | 116.40 | 0.00 | | 86.48 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.19 |
| | 125 Hz | 110.70 | 0.00 | | 86.48 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.77 |
| | 250 Hz | 104.40 | 0.00 | | 86.48 | 6.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.71 |
| | 500 Hz | 101.20 | 0.00 | | 86.48 | 11.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.25 |
| | 1000 Hz | 99.40 | 0.00 | | 86.48 | 21.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.83 |
| | 2000 Hz | 93.80 | 0.00 | | 86.48 | 57.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.16 |
| | 4000 Hz | 86.70 | 0.00 | | 86.48 | 194.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -191.68 |
| | 8000 Hz | 78.40 | 0.00 | | 86.48 | 695.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -700.19 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.98 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.22 |
| | 63 Hz | 116.40 | 0.00 | | 86.98 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.66 |
| | 125 Hz | 110.70 | 0.00 | | 86.98 | 2.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.13 |
| | 250 Hz | 104.40 | 0.00 | | 86.98 | 6.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.85 |
| | 500 Hz | 101.20 | 0.00 | | 86.98 | 12.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.09 |
| | 1000 Hz | 99.40 | 0.00 | | 86.98 | 23.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.60 |
| | 2000 Hz | 93.80 | 0.00 | | 86.98 | 60.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.01 |
| | 4000 Hz | 86.70 | 0.00 | | 86.98 | 206.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.58 |
| | 8000 Hz | 78.40 | 0.00 | | 86.98 | 735.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -741.37 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 89.60 | 1.04 | -3.00 | 0.00 | 0.00 | 4.15 | 0.00 | | 16.91 |
| | 125 Hz | 104.80 | 0.00 | | 89.60 | 3.50 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 11.26 |
| | 250 Hz | 101.50 | 0.00 | | 89.60 | 8.88 | -3.00 | 0.00 | 0.00 | 1.49 | 0.00 | | 4.52 |
| | 500 Hz | 97.10 | 0.00 | | 89.60 | 16.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.92 |
| | 1000 Hz | 91.00 | 0.00 | | 89.60 | 31.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.75 |
| | 2000 Hz | 86.30 | 0.00 | | 89.60 | 82.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.61 |
| | 4000 Hz | 80.30 | 0.00 | | 89.60 | 279.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -285.41 |
| | 8000 Hz | 74.00 | 0.00 | | 89.60 | 995.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1008.07 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 89.77 | 0.28 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | | 23.48 |
| | 63 Hz | 113.00 | 0.00 | | 89.77 | 1.06 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | | 21.02 |
| | 125 Hz | 108.60 | 0.00 | | 89.77 | 3.57 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 14.81 |
| | 250 Hz | 105.70 | 0.00 | | 89.77 | 9.05 | -3.00 | 0.00 | 0.00 | 1.56 | 0.00 | | 8.32 |
| | 500 Hz | 101.70 | 0.00 | | 89.77 | 16.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.80 |
| | 1000 Hz | 95.50 | 0.00 | | 89.77 | 31.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.01 |
| | 2000 Hz | 89.70 | 0.00 | | 89.77 | 83.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -80.95 |
| | 4000 Hz | 82.20 | 0.00 | | 89.77 | 284.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -289.01 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|--|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 74.00 | 0.00 | | 89.77 | 1014.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1027.26 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|----------|
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 89.55 | 0.27 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 23.72 |
| | 63 Hz | 113.00 | 0.00 | | 89.55 | 1.03 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 21.30 |
| | 125 Hz | 108.60 | 0.00 | | 89.55 | 3.48 | -3.00 | 0.00 | 0.00 | 3.37 | 0.00 | | 15.19 |
| | 250 Hz | 105.70 | 0.00 | | 89.55 | 8.83 | -3.00 | 0.00 | 0.00 | 1.30 | 0.00 | | 9.01 |
| | 500 Hz | 101.70 | 0.00 | | 89.55 | 16.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.17 |
| | 1000 Hz | 95.50 | 0.00 | | 89.55 | 30.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.01 |
| | 2000 Hz | 89.70 | 0.00 | | 89.55 | 81.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.66 |
| | 4000 Hz | 82.20 | 0.00 | | 89.55 | 277.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -281.78 |
| | 8000 Hz | 74.00 | 0.00 | | 89.55 | 989.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1002.03 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 89.77 | 0.28 | -3.00 | 0.00 | 0.00 | 4.53 | 0.00 | | 23.32 |
| | 63 Hz | 111.30 | 0.00 | | 89.77 | 1.06 | -3.00 | 0.00 | 0.00 | 4.28 | 0.00 | | 19.20 |
| | 125 Hz | 107.40 | 0.00 | | 89.77 | 3.57 | -3.00 | 0.00 | 0.00 | 3.72 | 0.00 | | 13.34 |
| | 250 Hz | 102.80 | 0.00 | | 89.77 | 9.06 | -3.00 | 0.00 | 0.00 | 2.34 | 0.00 | | 4.63 |
| | 500 Hz | 99.70 | 0.00 | | 89.77 | 16.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.80 |
| | 1000 Hz | 96.60 | 0.00 | | 89.77 | 31.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.91 |
| | 2000 Hz | 91.70 | 0.00 | | 89.77 | 83.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.95 |
| | 4000 Hz | 85.00 | 0.00 | | 89.77 | 284.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -286.23 |
| | 8000 Hz | 87.30 | 0.00 | | 89.77 | 1014.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1014.06 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 90.01 | 1.09 | -3.00 | 0.00 | 0.00 | 4.25 | 0.00 | | 19.56 |
| | 125 Hz | 108.60 | 0.00 | | 90.01 | 3.67 | -3.00 | 0.00 | 0.00 | 3.66 | 0.00 | | 14.26 |
| | 250 Hz | 103.40 | 0.00 | | 90.01 | 9.31 | -3.00 | 0.00 | 0.00 | 2.17 | 0.00 | | 4.91 |
| | 500 Hz | 99.10 | 0.00 | | 90.01 | 17.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.11 |
| | 1000 Hz | 98.00 | 0.00 | | 90.01 | 32.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.64 |
| | 2000 Hz | 89.80 | 0.00 | | 90.01 | 86.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.43 |
| | 4000 Hz | 85.30 | 0.00 | | 90.01 | 292.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -294.11 |
| | 8000 Hz | 80.10 | 0.00 | | 90.01 | 1042.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1049.82 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 89.85 | 0.28 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 26.96 |
| | 63 Hz | 112.30 | 0.00 | | 89.85 | 1.07 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | | 20.15 |
| | 125 Hz | 108.10 | 0.00 | | 89.85 | 3.60 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 14.02 |
| | 250 Hz | 103.50 | 0.00 | | 89.85 | 9.14 | -3.00 | 0.00 | 0.00 | 2.08 | 0.00 | | 5.43 |
| | 500 Hz | 100.70 | 0.00 | | 89.85 | 16.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.04 |
| | 1000 Hz | 98.30 | 0.00 | | 89.85 | 32.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.60 |
| | 2000 Hz | 93.80 | 0.00 | | 89.85 | 84.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.73 |
| | 4000 Hz | 86.20 | 0.00 | | 89.85 | 287.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -287.81 |
| | 8000 Hz | 78.20 | 0.00 | | 89.85 | 1024.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1032.85 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 89.91 | 0.28 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 24.92 |
| | 63 Hz | 111.70 | 0.00 | | 89.91 | 1.07 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 19.52 |
| | 125 Hz | 106.40 | 0.00 | | 89.91 | 3.62 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 12.31 |
| | 250 Hz | 102.10 | 0.00 | | 89.91 | 9.20 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 4.13 |
| | 500 Hz | 99.10 | 0.00 | | 89.91 | 17.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.80 |
| | 1000 Hz | 96.90 | 0.00 | | 89.91 | 32.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.26 |
| | 2000 Hz | 90.50 | 0.00 | | 89.91 | 85.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.63 |
| | 4000 Hz | 81.00 | 0.00 | | 89.91 | 289.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -294.92 |
| | 8000 Hz | 76.50 | 0.00 | | 89.91 | 1030.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1041.22 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 89.72 | 0.28 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 27.01 |
| | 63 Hz | 110.40 | 0.00 | | 89.72 | 1.05 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 18.43 |
| | 125 Hz | 107.20 | 0.00 | | 89.72 | 3.55 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 13.38 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|--|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 101.70 | 0.00 | | 89.72 | 9.01 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 4.11 |
| | 500 Hz | 98.20 | 0.00 | | 89.72 | 16.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.16 |
| | 1000 Hz | 95.60 | 0.00 | | 89.72 | 31.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.69 |
| | 2000 Hz | 93.70 | 0.00 | | 89.72 | 83.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.45 |
| | 4000 Hz | 90.70 | 0.00 | | 89.72 | 282.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -278.93 |
| | 8000 Hz | 79.50 | 0.00 | | 89.72 | 1009.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1016.27 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.65 | 0.10 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | 31.72 |
| | 63 Hz | 111.60 | 0.00 | | 80.65 | 0.37 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | | 29.74 |
| | 125 Hz | 108.60 | 0.00 | | 80.65 | 1.25 | -3.00 | 0.00 | 0.00 | 2.67 | 0.00 | | 27.03 |
| | 250 Hz | 106.50 | 0.00 | | 80.65 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.68 |
| | 500 Hz | 102.90 | 0.00 | | 80.65 | 5.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.39 |
| | 1000 Hz | 99.60 | 0.00 | | 80.65 | 11.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.84 |
| | 2000 Hz | 95.90 | 0.00 | | 80.65 | 29.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.11 |
| | 4000 Hz | 90.10 | 0.00 | | 80.65 | 99.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.12 |
| | 8000 Hz | 76.30 | 0.00 | | 80.65 | 355.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -356.46 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.41 | 0.08 | -3.00 | 0.00 | 0.00 | 4.28 | 0.00 | | 33.02 |
| | 63 Hz | 111.60 | 0.00 | | 79.41 | 0.32 | -3.00 | 0.00 | 0.00 | 3.73 | 0.00 | | 31.14 |
| | 125 Hz | 108.60 | 0.00 | | 79.41 | 1.08 | -3.00 | 0.00 | 0.00 | 2.38 | 0.00 | | 28.73 |
| | 250 Hz | 106.50 | 0.00 | | 79.41 | 2.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.34 |
| | 500 Hz | 102.90 | 0.00 | | 79.41 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.41 |
| | 1000 Hz | 99.60 | 0.00 | | 79.41 | 9.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.55 |
| | 2000 Hz | 95.90 | 0.00 | | 79.41 | 25.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.97 |
| | 4000 Hz | 90.10 | 0.00 | | 79.41 | 86.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.64 |
| | 8000 Hz | 76.30 | 0.00 | | 79.41 | 307.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -308.02 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.94 | 0.11 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | | 30.34 |
| | 63 Hz | 111.60 | 0.00 | | 81.94 | 0.43 | -3.00 | 0.00 | 0.00 | 4.02 | 0.00 | | 28.21 |
| | 125 Hz | 108.60 | 0.00 | | 81.94 | 1.45 | -3.00 | 0.00 | 0.00 | 3.12 | 0.00 | | 25.09 |
| | 250 Hz | 106.50 | 0.00 | | 81.94 | 3.68 | -3.00 | 0.00 | 0.00 | 0.41 | 0.00 | | 23.47 |
| | 500 Hz | 102.90 | 0.00 | | 81.94 | 6.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.17 |
| | 1000 Hz | 99.60 | 0.00 | | 81.94 | 12.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.77 |
| | 2000 Hz | 95.90 | 0.00 | | 81.94 | 34.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.10 |
| | 4000 Hz | 90.10 | 0.00 | | 81.94 | 115.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.35 |
| | 8000 Hz | 76.30 | 0.00 | | 81.94 | 411.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -414.61 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.11 | 0.10 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 31.33 |
| | 63 Hz | 111.60 | 0.00 | | 81.11 | 0.39 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 29.43 |
| | 125 Hz | 108.60 | 0.00 | | 81.11 | 1.32 | -3.00 | 0.00 | 0.00 | 2.22 | 0.00 | | 26.95 |
| | 250 Hz | 106.50 | 0.00 | | 81.11 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.05 |
| | 500 Hz | 102.90 | 0.00 | | 81.11 | 6.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.62 |
| | 1000 Hz | 99.60 | 0.00 | | 81.11 | 11.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.78 |
| | 2000 Hz | 95.90 | 0.00 | | 81.11 | 30.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.16 |
| | 4000 Hz | 90.10 | 0.00 | | 81.11 | 104.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.97 |
| | 8000 Hz | 76.30 | 0.00 | | 81.11 | 374.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -376.17 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.34 | 0.08 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 33.19 |
| | 63 Hz | 111.60 | 0.00 | | 79.34 | 0.32 | -3.00 | 0.00 | 0.00 | 3.53 | 0.00 | | 31.41 |
| | 125 Hz | 108.60 | 0.00 | | 79.34 | 1.07 | -3.00 | 0.00 | 0.00 | 1.83 | 0.00 | | 29.36 |
| | 250 Hz | 106.50 | 0.00 | | 79.34 | 2.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.44 |
| | 500 Hz | 102.90 | 0.00 | | 79.34 | 5.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.53 |
| | 1000 Hz | 99.60 | 0.00 | | 79.34 | 9.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.72 |
| | 2000 Hz | 95.90 | 0.00 | | 79.34 | 25.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.67 |
| | 4000 Hz | 90.10 | 0.00 | | 79.34 | 85.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.81 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 76.30 | 0.00 | | 79.34 | 305.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -305.24 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.09 | 0.11 | -3.00 | 0.00 | 0.00 | 4.29 | 0.00 | | 30.30 |
| | 63 Hz | 111.60 | 0.00 | | 82.09 | 0.44 | -3.00 | 0.00 | 0.00 | 3.76 | 0.00 | | 28.32 |
| | 125 Hz | 108.60 | 0.00 | | 82.09 | 1.47 | -3.00 | 0.00 | 0.00 | 2.46 | 0.00 | | 25.58 |
| | 250 Hz | 106.50 | 0.00 | | 82.09 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.67 |
| | 500 Hz | 102.90 | 0.00 | | 82.09 | 6.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.90 |
| | 1000 Hz | 99.60 | 0.00 | | 82.09 | 13.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.40 |
| | 2000 Hz | 95.90 | 0.00 | | 82.09 | 34.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.84 |
| | 4000 Hz | 90.10 | 0.00 | | 82.09 | 117.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.48 |
| | 8000 Hz | 76.30 | 0.00 | | 82.09 | 419.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -421.84 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.82 | 0.10 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 31.62 |
| | 63 Hz | 111.60 | 0.00 | | 80.82 | 0.38 | -3.00 | 0.00 | 0.00 | 3.69 | 0.00 | | 29.71 |
| | 125 Hz | 108.60 | 0.00 | | 80.82 | 1.27 | -3.00 | 0.00 | 0.00 | 2.27 | 0.00 | | 27.24 |
| | 250 Hz | 106.50 | 0.00 | | 80.82 | 3.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.45 |
| | 500 Hz | 102.90 | 0.00 | | 80.82 | 5.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.11 |
| | 1000 Hz | 99.60 | 0.00 | | 80.82 | 11.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.45 |
| | 2000 Hz | 95.90 | 0.00 | | 80.82 | 29.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.87 |
| | 4000 Hz | 90.10 | 0.00 | | 80.82 | 101.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.27 |
| | 8000 Hz | 76.30 | 0.00 | | 80.82 | 362.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -363.71 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.44 | 0.08 | -3.00 | 0.00 | 0.00 | 4.21 | 0.00 | | 33.06 |
| | 63 Hz | 111.60 | 0.00 | | 79.44 | 0.32 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | 31.26 |
| | 125 Hz | 108.60 | 0.00 | | 79.44 | 1.09 | -3.00 | 0.00 | 0.00 | 1.95 | 0.00 | | 29.12 |
| | 250 Hz | 106.50 | 0.00 | | 79.44 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.30 |
| | 500 Hz | 102.90 | 0.00 | | 79.44 | 5.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.36 |
| | 1000 Hz | 99.60 | 0.00 | | 79.44 | 9.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.48 |
| | 2000 Hz | 95.90 | 0.00 | | 79.44 | 25.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.10 |
| | 4000 Hz | 90.10 | 0.00 | | 79.44 | 86.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.00 |
| | 8000 Hz | 76.30 | 0.00 | | 79.44 | 309.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -309.22 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 73.48 | 0.16 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | | -66.97 |
| | 125 Hz | 5.20 | 0.00 | | 73.48 | 0.55 | -3.00 | 0.00 | 0.00 | 0.86 | 0.00 | | -66.69 |
| | 250 Hz | 1.90 | 0.00 | | 73.48 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.97 |
| | 500 Hz | -1.30 | 0.00 | | 73.48 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.34 |
| | 1000 Hz | -5.00 | 0.00 | | 73.48 | 4.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -80.34 |
| | 2000 Hz | -8.20 | 0.00 | | 73.48 | 12.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.54 |
| | 4000 Hz | -12.00 | 0.00 | | 73.48 | 43.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.08 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 86.54 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.94 |
| | 125 Hz | 106.50 | 0.00 | | 86.54 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.50 |
| | 250 Hz | 103.20 | 0.00 | | 86.54 | 6.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.42 |
| | 500 Hz | 100.00 | 0.00 | | 86.54 | 11.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.93 |
| | 1000 Hz | 96.30 | 0.00 | | 86.54 | 21.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.12 |
| | 2000 Hz | 93.10 | 0.00 | | 86.54 | 57.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.26 |
| | 4000 Hz | 89.30 | 0.00 | | 86.54 | 196.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.31 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 88.05 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.52 |
| | 63 Hz | 110.90 | 0.00 | | 88.05 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.98 |
| | 125 Hz | 108.00 | 0.00 | | 88.05 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.02 |
| | 250 Hz | 103.80 | 0.00 | | 88.05 | 7.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.32 |
| | 500 Hz | 101.90 | 0.00 | | 88.05 | 13.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.12 |
| | 1000 Hz | 98.90 | 0.00 | | 88.05 | 26.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.19 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | Lft |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 94.60 | 0.00 | | 88.05 | 68.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.27 |
| | 4000 Hz | 88.20 | 0.00 | | 88.05 | 233.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -230.23 |
| | 8000 Hz | 78.80 | 0.00 | | 88.05 | 832.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -838.65 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 87.39 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.20 |
| | 63 Hz | 110.90 | 0.00 | | 87.39 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.71 |
| | 125 Hz | 108.00 | 0.00 | | 87.39 | 2.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.90 |
| | 250 Hz | 103.80 | 0.00 | | 87.39 | 6.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.53 |
| | 500 Hz | 101.90 | 0.00 | | 87.39 | 12.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.79 |
| | 1000 Hz | 98.90 | 0.00 | | 87.39 | 24.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.62 |
| | 2000 Hz | 94.60 | 0.00 | | 87.39 | 63.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.56 |
| | 4000 Hz | 88.20 | 0.00 | | 87.39 | 216.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.44 |
| | 8000 Hz | 78.80 | 0.00 | | 87.39 | 771.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -776.88 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 87.51 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.08 |
| | 63 Hz | 110.90 | 0.00 | | 87.51 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.58 |
| | 125 Hz | 108.00 | 0.00 | | 87.51 | 2.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.74 |
| | 250 Hz | 103.80 | 0.00 | | 87.51 | 6.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.31 |
| | 500 Hz | 101.90 | 0.00 | | 87.51 | 12.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.50 |
| | 1000 Hz | 98.90 | 0.00 | | 87.51 | 24.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.07 |
| | 2000 Hz | 94.60 | 0.00 | | 87.51 | 64.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.56 |
| | 4000 Hz | 88.20 | 0.00 | | 87.51 | 219.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -215.56 |
| | 8000 Hz | 78.80 | 0.00 | | 87.51 | 781.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -787.69 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 86.98 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.62 |
| | 63 Hz | 110.90 | 0.00 | | 86.98 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.16 |
| | 125 Hz | 108.00 | 0.00 | | 86.98 | 2.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.44 |
| | 250 Hz | 103.80 | 0.00 | | 86.98 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.26 |
| | 500 Hz | 101.90 | 0.00 | | 86.98 | 12.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.79 |
| | 1000 Hz | 98.90 | 0.00 | | 86.98 | 23.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.09 |
| | 2000 Hz | 94.60 | 0.00 | | 86.98 | 60.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.19 |
| | 4000 Hz | 88.20 | 0.00 | | 86.98 | 206.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.01 |
| | 8000 Hz | 78.80 | 0.00 | | 86.98 | 735.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -740.74 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 86.55 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.46 |
| | 63 Hz | 122.10 | 0.00 | | 86.55 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.83 |
| | 125 Hz | 115.00 | 0.00 | | 86.55 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.99 |
| | 250 Hz | 108.00 | 0.00 | | 86.55 | 6.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.21 |
| | 500 Hz | 103.90 | 0.00 | | 86.55 | 11.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.81 |
| | 1000 Hz | 101.60 | 0.00 | | 86.55 | 21.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.85 |
| | 2000 Hz | 96.70 | 0.00 | | 86.55 | 57.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.73 |
| | 4000 Hz | 88.60 | 0.00 | | 86.55 | 196.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -191.23 |
| | 8000 Hz | 80.90 | 0.00 | | 86.55 | 700.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -702.72 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 86.86 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.89 |
| | 125 Hz | 109.80 | 0.00 | | 86.86 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.39 |
| | 250 Hz | 107.40 | 0.00 | | 86.86 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.07 |
| | 500 Hz | 101.60 | 0.00 | | 86.86 | 11.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.78 |
| | 1000 Hz | 94.50 | 0.00 | | 86.86 | 22.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.06 |
| | 2000 Hz | 88.00 | 0.00 | | 86.86 | 60.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.86 |
| | 4000 Hz | 85.30 | 0.00 | | 86.86 | 203.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.02 |
| | 8000 Hz | 79.90 | 0.00 | | 86.86 | 725.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -729.65 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 86.78 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.07 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.80 | 0.00 | | 86.78 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.49 |
| | 250 Hz | 105.10 | 0.00 | | 86.78 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.90 |
| | 500 Hz | 102.60 | 0.00 | | 86.78 | 11.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.96 |
| | 1000 Hz | 99.60 | 0.00 | | 86.78 | 22.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.68 |
| | 2000 Hz | 93.10 | 0.00 | | 86.78 | 59.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -50.13 |
| | 4000 Hz | 80.70 | 0.00 | | 86.78 | 201.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -204.68 |
| | 8000 Hz | 77.00 | 0.00 | | 86.78 | 719.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -725.82 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 86.71 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.15 |
| | 125 Hz | 110.80 | 0.00 | | 86.71 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.59 |
| | 250 Hz | 105.10 | 0.00 | | 86.71 | 6.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.03 |
| | 500 Hz | 102.60 | 0.00 | | 86.71 | 11.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.14 |
| | 1000 Hz | 99.60 | 0.00 | | 86.71 | 22.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.42 |
| | 2000 Hz | 93.10 | 0.00 | | 86.71 | 58.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.56 |
| | 4000 Hz | 80.70 | 0.00 | | 86.71 | 199.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -202.92 |
| | 8000 Hz | 77.00 | 0.00 | | 86.71 | 713.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -719.73 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 86.58 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.28 |
| | 125 Hz | 110.80 | 0.00 | | 86.58 | 2.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.74 |
| | 250 Hz | 105.10 | 0.00 | | 86.58 | 6.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.24 |
| | 500 Hz | 102.60 | 0.00 | | 86.58 | 11.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.42 |
| | 1000 Hz | 99.60 | 0.00 | | 86.58 | 22.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.99 |
| | 2000 Hz | 93.10 | 0.00 | | 86.58 | 58.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -48.62 |
| | 4000 Hz | 80.70 | 0.00 | | 86.58 | 197.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -200.04 |
| | 8000 Hz | 77.00 | 0.00 | | 86.58 | 703.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -709.78 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 86.95 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.69 |
| | 125 Hz | 104.80 | 0.00 | | 86.95 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.27 |
| | 250 Hz | 99.40 | 0.00 | | 86.95 | 6.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.91 |
| | 500 Hz | 95.00 | 0.00 | | 86.95 | 12.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.04 |
| | 1000 Hz | 93.20 | 0.00 | | 86.95 | 22.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.69 |
| | 2000 Hz | 89.10 | 0.00 | | 86.95 | 60.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -55.48 |
| | 4000 Hz | 83.90 | 0.00 | | 86.95 | 205.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -205.66 |
| | 8000 Hz | 82.20 | 0.00 | | 86.95 | 733.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -735.08 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 92.97 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.80 |
| | 125 Hz | 111.00 | 0.00 | | 92.97 | 5.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.87 |
| | 250 Hz | 106.60 | 0.00 | | 92.97 | 13.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.53 |
| | 500 Hz | 103.70 | 0.00 | | 92.97 | 24.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.47 |
| | 1000 Hz | 99.80 | 0.00 | | 92.97 | 45.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -36.09 |
| | 2000 Hz | 95.60 | 0.00 | | 92.97 | 121.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -115.69 |
| | 4000 Hz | 86.90 | 0.00 | | 92.97 | 411.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -414.48 |
| | 8000 Hz | 65.40 | 0.00 | | 92.97 | 1467.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1491.92 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 92.60 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.23 |
| | 125 Hz | 111.00 | 0.00 | | 92.60 | 4.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.46 |
| | 250 Hz | 106.60 | 0.00 | | 92.60 | 12.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.45 |
| | 500 Hz | 103.70 | 0.00 | | 92.60 | 23.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.08 |
| | 1000 Hz | 99.80 | 0.00 | | 92.60 | 43.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -33.79 |
| | 2000 Hz | 95.60 | 0.00 | | 92.60 | 116.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -110.24 |
| | 4000 Hz | 86.90 | 0.00 | | 92.60 | 394.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -396.87 |
| | 8000 Hz | 65.40 | 0.00 | | 92.60 | 1405.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1430.05 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.94 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 111.00 | 0.00 | | 91.94 | 4.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.48 |
| | 250 Hz | 106.60 | 0.00 | | 91.94 | 11.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.04 |
| | 500 Hz | 103.70 | 0.00 | | 91.94 | 21.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.72 |
| | 1000 Hz | 99.80 | 0.00 | | 91.94 | 40.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.89 |
| | 2000 Hz | 95.60 | 0.00 | | 91.94 | 107.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -101.03 |
| | 4000 Hz | 86.90 | 0.00 | | 91.94 | 365.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -367.24 |
| | 8000 Hz | 65.40 | 0.00 | | 91.94 | 1302.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1326.07 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 91.90 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.65 |
| | 125 Hz | 110.20 | 0.00 | | 91.90 | 4.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.73 |
| | 250 Hz | 105.30 | 0.00 | | 91.90 | 11.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.82 |
| | 500 Hz | 102.70 | 0.00 | | 91.90 | 21.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.60 |
| | 1000 Hz | 99.80 | 0.00 | | 91.90 | 40.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.70 |
| | 2000 Hz | 95.50 | 0.00 | | 91.90 | 107.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.67 |
| | 4000 Hz | 84.90 | 0.00 | | 91.90 | 363.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -367.75 |
| | 8000 Hz | 61.80 | 0.00 | | 91.90 | 1297.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1324.44 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 91.93 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.61 |
| | 125 Hz | 110.20 | 0.00 | | 91.93 | 4.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.69 |
| | 250 Hz | 105.30 | 0.00 | | 91.93 | 11.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 |
| | 500 Hz | 102.70 | 0.00 | | 91.93 | 21.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.69 |
| | 1000 Hz | 99.80 | 0.00 | | 91.93 | 40.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.85 |
| | 2000 Hz | 95.50 | 0.00 | | 91.93 | 107.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -101.03 |
| | 4000 Hz | 84.90 | 0.00 | | 91.93 | 364.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -368.90 |
| | 8000 Hz | 61.80 | 0.00 | | 91.93 | 1301.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1328.48 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.45 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.56 |
| | 125 Hz | 111.00 | 0.00 | | 91.45 | 4.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.22 |
| | 250 Hz | 106.60 | 0.00 | | 91.45 | 10.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.15 |
| | 500 Hz | 103.70 | 0.00 | | 91.45 | 20.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.06 |
| | 1000 Hz | 99.80 | 0.00 | | 91.45 | 38.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.19 |
| | 2000 Hz | 95.60 | 0.00 | | 91.45 | 101.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -94.68 |
| | 4000 Hz | 86.90 | 0.00 | | 91.45 | 345.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -346.88 |
| | 8000 Hz | 65.40 | 0.00 | | 91.45 | 1231.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1254.70 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.48 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.54 |
| | 125 Hz | 111.00 | 0.00 | | 91.48 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.18 |
| | 250 Hz | 106.60 | 0.00 | | 91.48 | 11.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.10 |
| | 500 Hz | 103.70 | 0.00 | | 91.48 | 20.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.15 |
| | 1000 Hz | 99.80 | 0.00 | | 91.48 | 38.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.33 |
| | 2000 Hz | 95.60 | 0.00 | | 91.48 | 102.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -95.00 |
| | 4000 Hz | 86.90 | 0.00 | | 91.48 | 346.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -347.90 |
| | 8000 Hz | 65.40 | 0.00 | | 91.48 | 1235.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1258.27 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 86.14 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.97 |
| | 125 Hz | 104.80 | 0.00 | | 86.14 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.32 |
| | 250 Hz | 101.20 | 0.00 | | 86.14 | 5.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.11 |
| | 500 Hz | 96.80 | 0.00 | | 86.14 | 11.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.65 |
| | 1000 Hz | 92.70 | 0.00 | | 86.14 | 20.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.33 |
| | 2000 Hz | 90.50 | 0.00 | | 86.14 | 55.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.84 |
| | 4000 Hz | 84.90 | 0.00 | | 86.14 | 187.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -185.45 |
| | 8000 Hz | 70.70 | 0.00 | | 86.14 | 667.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -680.17 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 80.51 | 0.36 | -3.00 | 0.00 | 0.00 | 3.37 | 0.00 | 27.96 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 106.90 | 0.00 | | 80.51 | 1.23 | -3.00 | 0.00 | 0.00 | 1.32 | 0.00 | 26.84 |
| | 250 Hz | 104.10 | 0.00 | | 80.51 | 3.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.47 |
| | 500 Hz | 100.40 | 0.00 | | 80.51 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.12 |
| | 1000 Hz | 96.10 | 0.00 | | 80.51 | 10.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.65 |
| | 2000 Hz | 90.70 | 0.00 | | 80.51 | 28.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.71 |
| | 4000 Hz | 83.90 | 0.00 | | 80.51 | 98.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -91.62 |
| | 8000 Hz | 75.80 | 0.00 | | 80.51 | 349.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -351.27 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.46 | 0.41 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | 28.98 |
| | 125 Hz | 108.80 | 0.00 | | 81.46 | 1.37 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | 27.68 |
| | 250 Hz | 106.10 | 0.00 | | 81.46 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.16 |
| | 500 Hz | 102.40 | 0.00 | | 81.46 | 6.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.51 |
| | 1000 Hz | 98.10 | 0.00 | | 81.46 | 12.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.45 |
| | 2000 Hz | 92.80 | 0.00 | | 81.46 | 32.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.88 |
| | 4000 Hz | 85.90 | 0.00 | | 81.46 | 109.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -101.84 |
| | 8000 Hz | 77.90 | 0.00 | | 81.46 | 389.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -390.31 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.40 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.35 |
| | 125 Hz | 106.90 | 0.00 | | 82.40 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.97 |
| | 250 Hz | 104.10 | 0.00 | | 82.40 | 3.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.82 |
| | 500 Hz | 100.40 | 0.00 | | 82.40 | 7.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.83 |
| | 1000 Hz | 96.10 | 0.00 | | 82.40 | 13.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 |
| | 2000 Hz | 90.70 | 0.00 | | 82.40 | 35.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.62 |
| | 4000 Hz | 83.90 | 0.00 | | 82.40 | 121.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -117.31 |
| | 8000 Hz | 75.80 | 0.00 | | 82.40 | 434.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -438.04 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 85.42 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.14 |
| | 125 Hz | 108.80 | 0.00 | | 85.42 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.22 |
| | 250 Hz | 106.10 | 0.00 | | 85.42 | 5.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.20 |
| | 500 Hz | 102.40 | 0.00 | | 85.42 | 10.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.85 |
| | 1000 Hz | 98.10 | 0.00 | | 85.42 | 19.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.55 |
| | 2000 Hz | 92.80 | 0.00 | | 85.42 | 50.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -40.44 |
| | 4000 Hz | 85.90 | 0.00 | | 85.42 | 172.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -168.88 |
| | 8000 Hz | 77.90 | 0.00 | | 85.42 | 614.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -619.26 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 86.00 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.42 |
| | 125 Hz | 110.70 | 0.00 | | 86.00 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.39 |
| | 250 Hz | 108.00 | 0.00 | | 86.00 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.14 |
| | 500 Hz | 104.50 | 0.00 | | 86.00 | 10.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.66 |
| | 1000 Hz | 100.10 | 0.00 | | 86.00 | 20.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.46 |
| | 2000 Hz | 94.80 | 0.00 | | 86.00 | 54.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -42.54 |
| | 4000 Hz | 87.90 | 0.00 | | 86.00 | 184.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -179.37 |
| | 8000 Hz | 79.90 | 0.00 | | 86.00 | 657.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -660.33 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 86.67 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.89 |
| | 125 Hz | 110.90 | 0.00 | | 86.67 | 2.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.74 |
| | 250 Hz | 108.10 | 0.00 | | 86.67 | 6.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.10 |
| | 500 Hz | 104.40 | 0.00 | | 86.67 | 11.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.03 |
| | 1000 Hz | 100.10 | 0.00 | | 86.67 | 22.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.78 |
| | 2000 Hz | 94.80 | 0.00 | | 86.67 | 58.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.55 |
| | 4000 Hz | 88.00 | 0.00 | | 86.67 | 199.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -194.69 |
| | 8000 Hz | 80.00 | 0.00 | | 86.67 | 709.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -713.50 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 86.62 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.75 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.70 | 0.00 | | 86.62 | 2.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.60 |
| | 250 Hz | 108.00 | 0.00 | | 86.62 | 6.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.08 |
| | 500 Hz | 104.50 | 0.00 | | 86.62 | 11.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.24 |
| | 1000 Hz | 100.10 | 0.00 | | 86.62 | 22.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.61 |
| | 2000 Hz | 94.80 | 0.00 | | 86.62 | 58.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.19 |
| | 4000 Hz | 87.90 | 0.00 | | 86.62 | 197.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -193.66 |
| | 8000 Hz | 79.90 | 0.00 | | 86.62 | 706.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -709.72 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 87.28 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.22 |
| | 125 Hz | 110.90 | 0.00 | | 87.28 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.94 |
| | 250 Hz | 108.10 | 0.00 | | 87.28 | 6.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.01 |
| | 500 Hz | 104.40 | 0.00 | | 87.28 | 12.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.55 |
| | 1000 Hz | 100.10 | 0.00 | | 87.28 | 23.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -8.03 |
| | 2000 Hz | 94.80 | 0.00 | | 87.28 | 63.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.49 |
| | 4000 Hz | 88.00 | 0.00 | | 87.28 | 213.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -209.96 |
| | 8000 Hz | 80.00 | 0.00 | | 87.28 | 762.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -766.40 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 87.79 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.47 |
| | 125 Hz | 110.70 | 0.00 | | 87.79 | 2.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.07 |
| | 250 Hz | 108.00 | 0.00 | | 87.79 | 7.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 |
| | 500 Hz | 104.50 | 0.00 | | 87.79 | 13.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.38 |
| | 1000 Hz | 100.10 | 0.00 | | 87.79 | 25.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.98 |
| | 2000 Hz | 94.80 | 0.00 | | 87.79 | 66.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.80 |
| | 4000 Hz | 87.90 | 0.00 | | 87.79 | 226.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -223.45 |
| | 8000 Hz | 79.90 | 0.00 | | 87.79 | 808.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -812.96 |

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|---------|-------------------|------------|------------|------------|---------------|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
| IPkt006 | IP E | 377764.62 | 5777841.55 | 63.074 | 37.83 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 77.92 | 4.27 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | 13.10 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 82.16 | 6.96 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 4.18 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 82.61 | 7.32 | 4.53 | 0.00 | 0.00 | 0.06 | 0.00 | 3.48 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 84.98 | 9.63 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -95.35 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 87.24 | 0.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 14.40 |
| | 125 Hz | 102.50 | 0.00 | | 87.24 | 2.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 10.82 |
| | 250 Hz | 99.20 | 0.00 | | 87.24 | 6.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 3.42 |
| | 500 Hz | 96.00 | 0.00 | | 87.24 | 12.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -5.52 |
| | 1000 Hz | 92.30 | 0.00 | | 87.24 | 23.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -20.44 |
| | 2000 Hz | 89.10 | 0.00 | | 87.24 | 62.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -62.62 |
| | 4000 Hz | 85.30 | 0.00 | | 87.24 | 212.65 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -216.36 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 87.13 | 0.78 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 17.60 |
| | 125 Hz | 105.50 | 0.00 | | 87.13 | 2.63 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | 14.13 |
| | 250 Hz | 102.20 | 0.00 | | 87.13 | 6.69 | -3.00 | 0.00 | 0.00 | 4.43 | 0.00 | 6.95 |
| | 500 Hz | 99.00 | 0.00 | | 87.13 | 12.35 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | -1.55 |
| | 1000 Hz | 95.30 | 0.00 | | 87.13 | 23.44 | -3.00 | 0.00 | 0.00 | 3.22 | 0.00 | -15.50 |
| | 2000 Hz | 92.10 | 0.00 | | 87.13 | 61.94 | -3.00 | 0.00 | 0.00 | 0.79 | 0.00 | -54.76 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 88.30 | 0.00 | | 87.13 | 210.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.87 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.96 | 0.23 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | | 30.73 |
| | 63 Hz | 116.40 | 0.00 | | 87.96 | 0.86 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | | 26.42 |
| | 125 Hz | 110.70 | 0.00 | | 87.96 | 2.90 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 19.38 |
| | 250 Hz | 104.40 | 0.00 | | 87.96 | 7.36 | -3.00 | 0.00 | 0.00 | 1.56 | 0.00 | | 10.52 |
| | 500 Hz | 101.20 | 0.00 | | 87.96 | 13.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.64 |
| | 1000 Hz | 99.40 | 0.00 | | 87.96 | 25.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.36 |
| | 2000 Hz | 93.80 | 0.00 | | 87.96 | 68.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.32 |
| | 4000 Hz | 86.70 | 0.00 | | 87.96 | 231.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.38 |
| | 8000 Hz | 78.40 | 0.00 | | 87.96 | 824.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -830.86 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.50 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.75 |
| | 63 Hz | 116.40 | 0.00 | | 84.50 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.33 |
| | 125 Hz | 110.70 | 0.00 | | 84.50 | 1.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.26 |
| | 250 Hz | 104.40 | 0.00 | | 84.50 | 4.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.97 |
| | 500 Hz | 101.20 | 0.00 | | 84.50 | 9.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.59 |
| | 1000 Hz | 99.40 | 0.00 | | 84.50 | 17.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.61 |
| | 2000 Hz | 93.80 | 0.00 | | 84.50 | 45.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.40 |
| | 4000 Hz | 86.70 | 0.00 | | 84.50 | 155.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -149.80 |
| | 8000 Hz | 78.40 | 0.00 | | 84.50 | 552.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -555.95 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.20 | 0.21 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 32.55 |
| | 63 Hz | 116.40 | 0.00 | | 87.20 | 0.79 | -3.00 | 0.00 | 0.00 | 1.53 | 0.00 | | 29.89 |
| | 125 Hz | 110.70 | 0.00 | | 87.20 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.85 |
| | 250 Hz | 104.40 | 0.00 | | 87.20 | 6.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.47 |
| | 500 Hz | 101.20 | 0.00 | | 87.20 | 12.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.56 |
| | 1000 Hz | 99.40 | 0.00 | | 87.20 | 23.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.41 |
| | 2000 Hz | 93.80 | 0.00 | | 87.20 | 62.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.79 |
| | 4000 Hz | 86.70 | 0.00 | | 87.20 | 211.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -209.09 |
| | 8000 Hz | 78.40 | 0.00 | | 87.20 | 754.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -760.46 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.58 | 0.22 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 31.40 |
| | 63 Hz | 116.40 | 0.00 | | 87.58 | 0.82 | -3.00 | 0.00 | 0.00 | 3.54 | 0.00 | | 27.46 |
| | 125 Hz | 110.70 | 0.00 | | 87.58 | 2.77 | -3.00 | 0.00 | 0.00 | 1.84 | 0.00 | | 21.50 |
| | 250 Hz | 104.40 | 0.00 | | 87.58 | 7.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.77 |
| | 500 Hz | 101.20 | 0.00 | | 87.58 | 13.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.60 |
| | 1000 Hz | 99.40 | 0.00 | | 87.58 | 24.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.87 |
| | 2000 Hz | 93.80 | 0.00 | | 87.58 | 65.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.02 |
| | 4000 Hz | 86.70 | 0.00 | | 87.58 | 221.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -219.10 |
| | 8000 Hz | 78.40 | 0.00 | | 87.58 | 789.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -795.18 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.43 | 0.19 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | | 34.17 |
| | 63 Hz | 116.40 | 0.00 | | 86.43 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.25 |
| | 125 Hz | 110.70 | 0.00 | | 86.43 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.84 |
| | 250 Hz | 104.40 | 0.00 | | 86.43 | 6.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.80 |
| | 500 Hz | 101.20 | 0.00 | | 86.43 | 11.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.38 |
| | 1000 Hz | 99.40 | 0.00 | | 86.43 | 21.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.65 |
| | 2000 Hz | 93.80 | 0.00 | | 86.43 | 57.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.75 |
| | 4000 Hz | 86.70 | 0.00 | | 86.43 | 193.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.44 |
| | 8000 Hz | 78.40 | 0.00 | | 86.43 | 690.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -695.90 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.79 | 0.20 | -3.00 | 0.00 | 0.00 | 3.22 | 0.00 | | 33.20 |
| | 63 Hz | 116.40 | 0.00 | | 86.79 | 0.75 | -3.00 | 0.00 | 0.00 | 0.78 | 0.00 | | 31.09 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.70 | 0.00 | | 86.79 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.38 |
| | 250 Hz | 104.40 | 0.00 | | 86.79 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.19 |
| | 500 Hz | 101.20 | 0.00 | | 86.79 | 11.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.54 |
| | 1000 Hz | 99.40 | 0.00 | | 86.79 | 22.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.91 |
| | 2000 Hz | 93.80 | 0.00 | | 86.79 | 59.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.49 |
| | 4000 Hz | 86.70 | 0.00 | | 86.79 | 201.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -198.88 |
| | 8000 Hz | 78.40 | 0.00 | | 86.79 | 719.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -725.12 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.61 | 0.22 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | 31.31 |
| | 63 Hz | 116.40 | 0.00 | | 87.61 | 0.82 | -3.00 | 0.00 | 0.00 | 3.69 | 0.00 | 27.27 |
| | 125 Hz | 110.70 | 0.00 | | 87.61 | 2.78 | -3.00 | 0.00 | 0.00 | 2.28 | 0.00 | 21.03 |
| | 250 Hz | 104.40 | 0.00 | | 87.61 | 7.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.73 |
| | 500 Hz | 101.20 | 0.00 | | 87.61 | 13.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.54 |
| | 1000 Hz | 99.40 | 0.00 | | 87.61 | 24.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.97 |
| | 2000 Hz | 93.80 | 0.00 | | 87.61 | 65.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.24 |
| | 4000 Hz | 86.70 | 0.00 | | 87.61 | 221.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -219.79 |
| | 8000 Hz | 78.40 | 0.00 | | 87.61 | 791.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -797.57 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.44 | 0.21 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | 32.12 |
| | 63 Hz | 116.40 | 0.00 | | 87.44 | 0.81 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | 29.08 |
| | 125 Hz | 110.70 | 0.00 | | 87.44 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.53 |
| | 250 Hz | 104.40 | 0.00 | | 87.44 | 6.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.03 |
| | 500 Hz | 101.20 | 0.00 | | 87.44 | 12.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 |
| | 1000 Hz | 99.40 | 0.00 | | 87.44 | 24.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.34 |
| | 2000 Hz | 93.80 | 0.00 | | 87.44 | 64.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.83 |
| | 4000 Hz | 86.70 | 0.00 | | 87.44 | 217.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -215.41 |
| | 8000 Hz | 78.40 | 0.00 | | 87.44 | 776.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -782.40 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 86.97 | 0.20 | -3.00 | 0.00 | 0.00 | 3.53 | 0.00 | 29.40 |
| | 63 Hz | 113.10 | 0.00 | | 86.97 | 0.77 | -3.00 | 0.00 | 0.00 | 1.78 | 0.00 | 26.58 |
| | 125 Hz | 107.40 | 0.00 | | 86.97 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.84 |
| | 250 Hz | 101.10 | 0.00 | | 86.97 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.57 |
| | 500 Hz | 97.90 | 0.00 | | 86.97 | 12.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 |
| | 1000 Hz | 96.10 | 0.00 | | 86.97 | 23.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.88 |
| | 2000 Hz | 90.50 | 0.00 | | 86.97 | 60.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.26 |
| | 4000 Hz | 83.40 | 0.00 | | 86.97 | 206.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -206.72 |
| | 8000 Hz | 75.10 | 0.00 | | 86.97 | 735.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -744.12 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.67 | 0.22 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | 31.40 |
| | 63 Hz | 116.40 | 0.00 | | 87.67 | 0.83 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | 27.57 |
| | 125 Hz | 110.70 | 0.00 | | 87.67 | 2.80 | -3.00 | 0.00 | 0.00 | 1.20 | 0.00 | 22.03 |
| | 250 Hz | 104.40 | 0.00 | | 87.67 | 7.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.62 |
| | 500 Hz | 101.20 | 0.00 | | 87.67 | 13.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 |
| | 1000 Hz | 99.40 | 0.00 | | 87.67 | 24.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.21 |
| | 2000 Hz | 93.80 | 0.00 | | 87.67 | 65.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.76 |
| | 4000 Hz | 86.70 | 0.00 | | 87.67 | 223.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -221.41 |
| | 8000 Hz | 78.40 | 0.00 | | 87.67 | 796.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -803.20 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 88.13 | 0.23 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | 30.59 |
| | 63 Hz | 116.40 | 0.00 | | 88.13 | 0.87 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | 26.28 |
| | 125 Hz | 110.70 | 0.00 | | 88.13 | 2.95 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | 19.27 |
| | 250 Hz | 104.40 | 0.00 | | 88.13 | 7.50 | -3.00 | 0.00 | 0.00 | 1.21 | 0.00 | 10.56 |
| | 500 Hz | 101.20 | 0.00 | | 88.13 | 13.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 |
| | 1000 Hz | 99.40 | 0.00 | | 88.13 | 26.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.02 |
| | 2000 Hz | 93.80 | 0.00 | | 88.13 | 69.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -60.79 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | Lft |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 86.70 | 0.00 | | 88.13 | 235.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -233.98 |
| | 8000 Hz | 78.40 | 0.00 | | 88.13 | 840.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -846.85 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 81.64 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.65 |
| | 125 Hz | 104.80 | 0.00 | | 81.64 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.77 |
| | 250 Hz | 101.50 | 0.00 | | 81.64 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.32 |
| | 500 Hz | 97.10 | 0.00 | | 81.64 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.91 |
| | 1000 Hz | 91.00 | 0.00 | | 81.64 | 12.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.08 |
| | 2000 Hz | 86.30 | 0.00 | | 81.64 | 32.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.22 |
| | 4000 Hz | 80.30 | 0.00 | | 81.64 | 111.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.85 |
| | 8000 Hz | 74.00 | 0.00 | | 81.64 | 397.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.37 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 82.51 | 0.12 | -3.00 | 0.00 | 0.00 | 1.53 | 0.00 | | 33.83 |
| | 63 Hz | 113.00 | 0.00 | | 82.51 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.03 |
| | 125 Hz | 108.60 | 0.00 | | 82.51 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.54 |
| | 250 Hz | 105.70 | 0.00 | | 82.51 | 3.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.26 |
| | 500 Hz | 101.70 | 0.00 | | 82.51 | 7.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.93 |
| | 1000 Hz | 95.50 | 0.00 | | 82.51 | 13.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.22 |
| | 2000 Hz | 89.70 | 0.00 | | 82.51 | 36.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.20 |
| | 4000 Hz | 82.20 | 0.00 | | 82.51 | 123.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.70 |
| | 8000 Hz | 74.00 | 0.00 | | 82.51 | 440.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -445.57 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.01 | 0.13 | -3.00 | 0.00 | 0.00 | 1.54 | 0.00 | | 33.33 |
| | 63 Hz | 113.00 | 0.00 | | 83.01 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.51 |
| | 125 Hz | 108.60 | 0.00 | | 83.01 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.95 |
| | 250 Hz | 105.70 | 0.00 | | 83.01 | 4.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.54 |
| | 500 Hz | 101.70 | 0.00 | | 83.01 | 7.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.01 |
| | 1000 Hz | 95.50 | 0.00 | | 83.01 | 14.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.92 |
| | 2000 Hz | 89.70 | 0.00 | | 83.01 | 38.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.82 |
| | 4000 Hz | 82.20 | 0.00 | | 83.01 | 130.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.41 |
| | 8000 Hz | 74.00 | 0.00 | | 83.01 | 465.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.83 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 76.41 | 0.06 | -3.00 | 0.00 | 0.00 | 4.19 | 0.00 | | 37.24 |
| | 63 Hz | 111.30 | 0.00 | | 76.41 | 0.23 | -3.00 | 0.00 | 0.00 | 3.52 | 0.00 | | 34.14 |
| | 125 Hz | 107.40 | 0.00 | | 76.41 | 0.77 | -3.00 | 0.00 | 0.00 | 1.78 | 0.00 | | 31.44 |
| | 250 Hz | 102.80 | 0.00 | | 76.41 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.44 |
| | 500 Hz | 99.70 | 0.00 | | 76.41 | 3.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.69 |
| | 1000 Hz | 96.60 | 0.00 | | 76.41 | 6.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.36 |
| | 2000 Hz | 91.70 | 0.00 | | 76.41 | 18.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.26 |
| | 4000 Hz | 85.00 | 0.00 | | 76.41 | 61.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.55 |
| | 8000 Hz | 87.30 | 0.00 | | 76.41 | 218.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.16 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 81.94 | 0.43 | -3.00 | 0.00 | 0.00 | 2.91 | 0.00 | | 29.62 |
| | 125 Hz | 108.60 | 0.00 | | 81.94 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.21 |
| | 250 Hz | 103.40 | 0.00 | | 81.94 | 3.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.78 |
| | 500 Hz | 99.10 | 0.00 | | 81.94 | 6.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.36 |
| | 1000 Hz | 98.00 | 0.00 | | 81.94 | 12.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.16 |
| | 2000 Hz | 89.80 | 0.00 | | 81.94 | 34.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.22 |
| | 4000 Hz | 85.30 | 0.00 | | 81.94 | 115.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.19 |
| | 8000 Hz | 80.10 | 0.00 | | 81.94 | 412.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -410.94 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 81.74 | 0.11 | -3.00 | 0.00 | 0.00 | 1.72 | 0.00 | | 38.03 |
| | 63 Hz | 112.30 | 0.00 | | 81.74 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.14 |
| | 125 Hz | 108.10 | 0.00 | | 81.74 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.95 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 103.50 | 0.00 | | 81.74 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.17 |
| | 500 Hz | 100.70 | 0.00 | | 81.74 | 6.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.33 |
| | 1000 Hz | 98.30 | 0.00 | | 81.74 | 12.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.97 |
| | 2000 Hz | 93.80 | 0.00 | | 81.74 | 33.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.21 |
| | 4000 Hz | 86.20 | 0.00 | | 81.74 | 112.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.38 |
| | 8000 Hz | 78.20 | 0.00 | | 81.74 | 402.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.99 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 80.63 | 0.10 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 37.45 |
| | 63 Hz | 111.70 | 0.00 | | 80.63 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.70 |
| | 125 Hz | 106.40 | 0.00 | | 80.63 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.52 |
| | 250 Hz | 102.10 | 0.00 | | 80.63 | 3.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.31 |
| | 500 Hz | 99.10 | 0.00 | | 80.63 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.63 |
| | 1000 Hz | 96.90 | 0.00 | | 80.63 | 11.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.19 |
| | 2000 Hz | 90.50 | 0.00 | | 80.63 | 29.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.42 |
| | 4000 Hz | 81.00 | 0.00 | | 80.63 | 99.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.96 |
| | 8000 Hz | 76.50 | 0.00 | | 80.63 | 354.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -355.39 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 83.56 | 0.14 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | | 33.81 |
| | 63 Hz | 110.40 | 0.00 | | 83.56 | 0.52 | -3.00 | 0.00 | 0.00 | 3.05 | 0.00 | | 26.27 |
| | 125 Hz | 107.20 | 0.00 | | 83.56 | 1.75 | -3.00 | 0.00 | 0.00 | 0.21 | 0.00 | | 24.68 |
| | 250 Hz | 101.70 | 0.00 | | 83.56 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.71 |
| | 500 Hz | 98.20 | 0.00 | | 83.56 | 8.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.45 |
| | 1000 Hz | 95.60 | 0.00 | | 83.56 | 15.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.50 |
| | 2000 Hz | 93.70 | 0.00 | | 83.56 | 41.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.91 |
| | 4000 Hz | 90.70 | 0.00 | | 83.56 | 139.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -129.06 |
| | 8000 Hz | 79.50 | 0.00 | | 83.56 | 496.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -497.54 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.57 | 0.17 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | | 27.12 |
| | 63 Hz | 111.60 | 0.00 | | 85.57 | 0.65 | -3.00 | 0.00 | 0.00 | 2.90 | 0.00 | | 25.48 |
| | 125 Hz | 108.60 | 0.00 | | 85.57 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.82 |
| | 250 Hz | 106.50 | 0.00 | | 85.57 | 5.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.34 |
| | 500 Hz | 102.90 | 0.00 | | 85.57 | 10.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.00 |
| | 1000 Hz | 99.60 | 0.00 | | 85.57 | 19.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.56 |
| | 2000 Hz | 95.90 | 0.00 | | 85.57 | 51.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.43 |
| | 4000 Hz | 90.10 | 0.00 | | 85.57 | 175.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -167.99 |
| | 8000 Hz | 76.30 | 0.00 | | 85.57 | 626.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -632.27 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.01 | 0.18 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | | 26.68 |
| | 63 Hz | 111.60 | 0.00 | | 86.01 | 0.69 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | | 25.01 |
| | 125 Hz | 108.60 | 0.00 | | 86.01 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.28 |
| | 250 Hz | 106.50 | 0.00 | | 86.01 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.62 |
| | 500 Hz | 102.90 | 0.00 | | 86.01 | 10.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.04 |
| | 1000 Hz | 99.60 | 0.00 | | 86.01 | 20.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.00 |
| | 2000 Hz | 95.90 | 0.00 | | 86.01 | 54.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.53 |
| | 4000 Hz | 90.10 | 0.00 | | 86.01 | 184.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -177.45 |
| | 8000 Hz | 76.30 | 0.00 | | 86.01 | 658.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -664.90 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.21 | 0.15 | -3.00 | 0.00 | 0.00 | 3.20 | 0.00 | | 29.24 |
| | 63 Hz | 111.60 | 0.00 | | 84.21 | 0.56 | -3.00 | 0.00 | 0.00 | 0.71 | 0.00 | | 29.12 |
| | 125 Hz | 108.60 | 0.00 | | 84.21 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.51 |
| | 250 Hz | 106.50 | 0.00 | | 84.21 | 4.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.52 |
| | 500 Hz | 102.90 | 0.00 | | 84.21 | 8.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.87 |
| | 1000 Hz | 99.60 | 0.00 | | 84.21 | 16.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.65 |
| | 2000 Hz | 95.90 | 0.00 | | 84.21 | 44.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.54 |
| | 4000 Hz | 90.10 | 0.00 | | 84.21 | 149.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.10 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 76.30 | 0.00 | | 84.21 | 534.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -539.88 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.44 | 0.15 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | 28.33 |
| | 63 Hz | 111.60 | 0.00 | | 84.44 | 0.57 | -3.00 | 0.00 | 0.00 | 2.76 | 0.00 | | 26.83 |
| | 125 Hz | 108.60 | 0.00 | | 84.44 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.23 |
| | 250 Hz | 106.50 | 0.00 | | 84.44 | 4.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.16 |
| | 500 Hz | 102.90 | 0.00 | | 84.44 | 9.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.41 |
| | 1000 Hz | 99.60 | 0.00 | | 84.44 | 17.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.98 |
| | 2000 Hz | 95.90 | 0.00 | | 84.44 | 45.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.94 |
| | 4000 Hz | 90.10 | 0.00 | | 84.44 | 153.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -145.29 |
| | 8000 Hz | 76.30 | 0.00 | | 84.44 | 549.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -554.23 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.22 | 0.16 | -3.00 | 0.00 | 0.00 | 3.00 | 0.00 | | 28.42 |
| | 63 Hz | 111.60 | 0.00 | | 85.22 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.76 |
| | 125 Hz | 108.60 | 0.00 | | 85.22 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.27 |
| | 250 Hz | 106.50 | 0.00 | | 85.22 | 5.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.92 |
| | 500 Hz | 102.90 | 0.00 | | 85.22 | 9.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.77 |
| | 1000 Hz | 99.60 | 0.00 | | 85.22 | 18.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.42 |
| | 2000 Hz | 95.90 | 0.00 | | 85.22 | 49.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.00 |
| | 4000 Hz | 90.10 | 0.00 | | 85.22 | 168.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -160.58 |
| | 8000 Hz | 76.30 | 0.00 | | 85.22 | 600.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -606.77 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.32 | 0.13 | -3.00 | 0.00 | 0.00 | 3.81 | 0.00 | | 29.54 |
| | 63 Hz | 111.60 | 0.00 | | 83.32 | 0.50 | -3.00 | 0.00 | 0.00 | 2.57 | 0.00 | | 28.21 |
| | 125 Hz | 108.60 | 0.00 | | 83.32 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.59 |
| | 250 Hz | 106.50 | 0.00 | | 83.32 | 4.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.88 |
| | 500 Hz | 102.90 | 0.00 | | 83.32 | 7.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.63 |
| | 1000 Hz | 99.60 | 0.00 | | 83.32 | 15.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.18 |
| | 2000 Hz | 95.90 | 0.00 | | 83.32 | 39.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.32 |
| | 4000 Hz | 90.10 | 0.00 | | 83.32 | 135.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.54 |
| | 8000 Hz | 76.30 | 0.00 | | 83.32 | 482.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -486.66 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.97 | 0.14 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | | 28.84 |
| | 63 Hz | 111.60 | 0.00 | | 83.97 | 0.54 | -3.00 | 0.00 | 0.00 | 2.66 | 0.00 | | 27.42 |
| | 125 Hz | 108.60 | 0.00 | | 83.97 | 1.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.80 |
| | 250 Hz | 106.50 | 0.00 | | 83.97 | 4.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.88 |
| | 500 Hz | 102.90 | 0.00 | | 83.97 | 8.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.34 |
| | 1000 Hz | 99.60 | 0.00 | | 83.97 | 16.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.34 |
| | 2000 Hz | 95.90 | 0.00 | | 83.97 | 43.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.11 |
| | 4000 Hz | 90.10 | 0.00 | | 83.97 | 145.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.82 |
| | 8000 Hz | 76.30 | 0.00 | | 83.97 | 520.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -525.21 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.79 | 0.16 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | 27.97 |
| | 63 Hz | 111.60 | 0.00 | | 84.79 | 0.60 | -3.00 | 0.00 | 0.00 | 2.76 | 0.00 | | 26.45 |
| | 125 Hz | 108.60 | 0.00 | | 84.79 | 2.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.80 |
| | 250 Hz | 106.50 | 0.00 | | 84.79 | 5.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.60 |
| | 500 Hz | 102.90 | 0.00 | | 84.79 | 9.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.67 |
| | 1000 Hz | 99.60 | 0.00 | | 84.79 | 17.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.09 |
| | 2000 Hz | 95.90 | 0.00 | | 84.79 | 47.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.19 |
| | 4000 Hz | 90.10 | 0.00 | | 84.79 | 160.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.09 |
| | 8000 Hz | 76.30 | 0.00 | | 84.79 | 572.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -577.56 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.44 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.35 |
| | 125 Hz | 5.20 | 0.00 | | 87.44 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.96 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 1.90 | 0.00 | | 87.44 | 6.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.46 |
| | 500 Hz | -1.30 | 0.00 | | 87.44 | 12.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.53 |
| | 1000 Hz | -5.00 | 0.00 | | 87.44 | 24.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.71 |
| | 2000 Hz | -8.20 | 0.00 | | 87.44 | 64.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -156.77 |
| | 4000 Hz | -12.00 | 0.00 | | 87.44 | 217.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -313.93 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 83.68 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.00 |
| | 125 Hz | 106.50 | 0.00 | | 83.68 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.06 |
| | 250 Hz | 103.20 | 0.00 | | 83.68 | 4.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.04 |
| | 500 Hz | 100.00 | 0.00 | | 83.68 | 8.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.03 |
| | 1000 Hz | 96.30 | 0.00 | | 83.68 | 15.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.11 |
| | 2000 Hz | 93.10 | 0.00 | | 83.68 | 41.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.17 |
| | 4000 Hz | 89.30 | 0.00 | | 83.68 | 141.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.41 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 86.90 | 0.20 | -3.00 | 0.00 | 0.00 | 1.88 | 0.00 | | 28.83 |
| | 63 Hz | 110.90 | 0.00 | | 86.90 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.25 |
| | 125 Hz | 108.00 | 0.00 | | 86.90 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.54 |
| | 250 Hz | 103.80 | 0.00 | | 86.90 | 6.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.40 |
| | 500 Hz | 101.90 | 0.00 | | 86.90 | 12.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.99 |
| | 1000 Hz | 98.90 | 0.00 | | 86.90 | 22.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.80 |
| | 2000 Hz | 94.60 | 0.00 | | 86.90 | 60.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.55 |
| | 4000 Hz | 88.20 | 0.00 | | 86.90 | 204.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -200.03 |
| | 8000 Hz | 78.80 | 0.00 | | 86.90 | 728.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -733.87 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 86.48 | 0.19 | -3.00 | 0.00 | 0.00 | 2.48 | 0.00 | | 28.65 |
| | 63 Hz | 110.90 | 0.00 | | 86.48 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.70 |
| | 125 Hz | 108.00 | 0.00 | | 86.48 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.08 |
| | 250 Hz | 103.80 | 0.00 | | 86.48 | 6.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.12 |
| | 500 Hz | 101.90 | 0.00 | | 86.48 | 11.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.96 |
| | 1000 Hz | 98.90 | 0.00 | | 86.48 | 21.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.32 |
| | 2000 Hz | 94.60 | 0.00 | | 86.48 | 57.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.33 |
| | 4000 Hz | 88.20 | 0.00 | | 86.48 | 194.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.09 |
| | 8000 Hz | 78.80 | 0.00 | | 86.48 | 694.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -699.49 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 86.83 | 0.20 | -3.00 | 0.00 | 0.00 | 2.83 | 0.00 | | 27.94 |
| | 63 Hz | 110.90 | 0.00 | | 86.83 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.32 |
| | 125 Hz | 108.00 | 0.00 | | 86.83 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.63 |
| | 250 Hz | 103.80 | 0.00 | | 86.83 | 6.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.51 |
| | 500 Hz | 101.90 | 0.00 | | 86.83 | 11.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.14 |
| | 1000 Hz | 98.90 | 0.00 | | 86.83 | 22.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.57 |
| | 2000 Hz | 94.60 | 0.00 | | 86.83 | 59.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.04 |
| | 4000 Hz | 88.20 | 0.00 | | 86.83 | 202.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.46 |
| | 8000 Hz | 78.80 | 0.00 | | 86.83 | 723.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -728.45 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 86.08 | 0.18 | -3.00 | 0.00 | 0.00 | 1.53 | 0.00 | | 30.01 |
| | 63 Hz | 110.90 | 0.00 | | 86.08 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.13 |
| | 125 Hz | 108.00 | 0.00 | | 86.08 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.59 |
| | 250 Hz | 103.80 | 0.00 | | 86.08 | 5.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.80 |
| | 500 Hz | 101.90 | 0.00 | | 86.08 | 10.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.88 |
| | 1000 Hz | 98.90 | 0.00 | | 86.08 | 20.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.93 |
| | 2000 Hz | 94.60 | 0.00 | | 86.08 | 54.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.32 |
| | 4000 Hz | 88.20 | 0.00 | | 86.08 | 185.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -180.86 |
| | 8000 Hz | 78.80 | 0.00 | | 86.08 | 663.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -667.59 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 31.5 Hz | 122.20 | 0.00 | | 83.29 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.78 |
| | 63 Hz | 122.10 | 0.00 | | 83.29 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.31 |
| | 125 Hz | 115.00 | 0.00 | | 83.29 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.02 |
| | 250 Hz | 108.00 | 0.00 | | 83.29 | 4.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.42 |
| | 500 Hz | 103.90 | 0.00 | | 83.29 | 7.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.68 |
| | 1000 Hz | 101.60 | 0.00 | | 83.29 | 15.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.26 |
| | 2000 Hz | 96.70 | 0.00 | | 83.29 | 39.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.37 |
| | 4000 Hz | 88.60 | 0.00 | | 83.29 | 134.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.60 |
| | 8000 Hz | 80.90 | 0.00 | | 83.29 | 481.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -480.57 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 83.75 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.22 |
| | 125 Hz | 109.80 | 0.00 | | 83.75 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.27 |
| | 250 Hz | 107.40 | 0.00 | | 83.75 | 4.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.12 |
| | 500 Hz | 101.60 | 0.00 | | 83.75 | 8.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.49 |
| | 1000 Hz | 94.50 | 0.00 | | 83.75 | 15.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.12 |
| | 2000 Hz | 88.00 | 0.00 | | 83.75 | 41.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.69 |
| | 4000 Hz | 85.30 | 0.00 | | 83.75 | 142.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -137.67 |
| | 8000 Hz | 79.90 | 0.00 | | 83.75 | 507.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -508.10 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 84.18 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.86 |
| | 125 Hz | 110.80 | 0.00 | | 84.18 | 1.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.74 |
| | 250 Hz | 105.10 | 0.00 | | 84.18 | 4.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.16 |
| | 500 Hz | 102.60 | 0.00 | | 84.18 | 8.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.62 |
| | 1000 Hz | 99.60 | 0.00 | | 84.18 | 16.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 |
| | 2000 Hz | 93.10 | 0.00 | | 84.18 | 44.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.18 |
| | 4000 Hz | 80.70 | 0.00 | | 84.18 | 149.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -150.01 |
| | 8000 Hz | 77.00 | 0.00 | | 84.18 | 533.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -537.49 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 84.63 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.39 |
| | 125 Hz | 110.80 | 0.00 | | 84.63 | 1.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.20 |
| | 250 Hz | 105.10 | 0.00 | | 84.63 | 5.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.46 |
| | 500 Hz | 102.60 | 0.00 | | 84.63 | 9.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.72 |
| | 1000 Hz | 99.60 | 0.00 | | 84.63 | 17.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| | 2000 Hz | 93.10 | 0.00 | | 84.63 | 46.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.94 |
| | 4000 Hz | 80.70 | 0.00 | | 84.63 | 157.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -158.31 |
| | 8000 Hz | 77.00 | 0.00 | | 84.63 | 561.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -565.94 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 85.04 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.95 |
| | 125 Hz | 110.80 | 0.00 | | 85.04 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.70 |
| | 250 Hz | 105.10 | 0.00 | | 85.04 | 5.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.81 |
| | 500 Hz | 102.60 | 0.00 | | 85.04 | 9.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.86 |
| | 1000 Hz | 99.60 | 0.00 | | 85.04 | 18.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.85 |
| | 2000 Hz | 93.10 | 0.00 | | 85.04 | 48.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -37.58 |
| | 4000 Hz | 80.70 | 0.00 | | 85.04 | 164.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -166.30 |
| | 8000 Hz | 77.00 | 0.00 | | 85.04 | 588.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -593.39 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 82.94 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.98 |
| | 125 Hz | 104.80 | 0.00 | | 82.94 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.23 |
| | 250 Hz | 99.40 | 0.00 | | 82.94 | 4.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.33 |
| | 500 Hz | 95.00 | 0.00 | | 82.94 | 7.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.43 |
| | 1000 Hz | 93.20 | 0.00 | | 82.94 | 14.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.21 |
| | 2000 Hz | 89.10 | 0.00 | | 82.94 | 38.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.07 |
| | 4000 Hz | 83.90 | 0.00 | | 82.94 | 129.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -125.67 |
| | 8000 Hz | 82.20 | 0.00 | | 82.94 | 462.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -460.07 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.12 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.48 |
| | 125 Hz | 111.00 | 0.00 | | 86.12 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.53 |
| | 250 Hz | 106.60 | 0.00 | | 86.12 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.53 |
| | 500 Hz | 103.70 | 0.00 | | 86.12 | 11.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.58 |
| | 1000 Hz | 99.80 | 0.00 | | 86.12 | 20.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.19 |
| | 2000 Hz | 95.60 | 0.00 | | 86.12 | 55.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.65 |
| | 4000 Hz | 86.90 | 0.00 | | 86.12 | 186.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -183.18 |
| | 8000 Hz | 65.40 | 0.00 | | 86.12 | 666.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -684.52 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.12 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.56 |
| | 125 Hz | 111.00 | 0.00 | | 85.12 | 2.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.79 |
| | 250 Hz | 106.60 | 0.00 | | 85.12 | 5.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.18 |
| | 500 Hz | 103.70 | 0.00 | | 85.12 | 9.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.79 |
| | 1000 Hz | 99.80 | 0.00 | | 85.12 | 18.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.90 |
| | 2000 Hz | 95.60 | 0.00 | | 85.12 | 49.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.62 |
| | 4000 Hz | 86.90 | 0.00 | | 85.12 | 166.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.74 |
| | 8000 Hz | 65.40 | 0.00 | | 85.12 | 593.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -610.65 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.70 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.08 |
| | 125 Hz | 111.00 | 0.00 | | 83.70 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.53 |
| | 250 Hz | 106.60 | 0.00 | | 83.70 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.40 |
| | 500 Hz | 103.70 | 0.00 | | 83.70 | 8.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.69 |
| | 1000 Hz | 99.80 | 0.00 | | 83.70 | 15.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.32 |
| | 2000 Hz | 95.60 | 0.00 | | 83.70 | 41.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.80 |
| | 4000 Hz | 86.90 | 0.00 | | 83.70 | 141.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -135.20 |
| | 8000 Hz | 65.40 | 0.00 | | 83.70 | 504.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -519.64 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.96 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.40 |
| | 125 Hz | 110.20 | 0.00 | | 83.96 | 1.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.41 |
| | 250 Hz | 105.30 | 0.00 | | 83.96 | 4.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.70 |
| | 500 Hz | 102.70 | 0.00 | | 83.96 | 8.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.16 |
| | 1000 Hz | 99.80 | 0.00 | | 83.96 | 16.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.57 |
| | 2000 Hz | 95.50 | 0.00 | | 83.96 | 42.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.45 |
| | 4000 Hz | 84.90 | 0.00 | | 83.96 | 145.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.84 |
| | 8000 Hz | 61.80 | 0.00 | | 83.96 | 519.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -539.11 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.37 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.96 |
| | 125 Hz | 110.20 | 0.00 | | 84.37 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.91 |
| | 250 Hz | 105.30 | 0.00 | | 84.37 | 4.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.06 |
| | 500 Hz | 102.70 | 0.00 | | 84.37 | 8.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.34 |
| | 1000 Hz | 99.80 | 0.00 | | 84.37 | 17.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.37 |
| | 2000 Hz | 95.50 | 0.00 | | 84.37 | 45.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.94 |
| | 4000 Hz | 84.90 | 0.00 | | 84.37 | 152.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -149.30 |
| | 8000 Hz | 61.80 | 0.00 | | 84.37 | 545.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -564.64 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.09 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.72 |
| | 125 Hz | 111.00 | 0.00 | | 83.09 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.26 |
| | 250 Hz | 106.60 | 0.00 | | 83.09 | 4.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.31 |
| | 500 Hz | 103.70 | 0.00 | | 83.09 | 7.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.86 |
| | 1000 Hz | 99.80 | 0.00 | | 83.09 | 14.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.00 |
| | 2000 Hz | 95.60 | 0.00 | | 83.09 | 38.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.37 |
| | 4000 Hz | 86.90 | 0.00 | | 83.09 | 131.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.04 |
| | 8000 Hz | 65.40 | 0.00 | | 83.09 | 470.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -484.95 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.61 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.17 |
| | 125 Hz | 111.00 | 0.00 | | 83.61 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.64 |
| | 250 Hz | 106.60 | 0.00 | | 83.61 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.54 |
| | 500 Hz | 103.70 | 0.00 | | 83.61 | 8.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.86 |
| | 1000 Hz | 99.80 | 0.00 | | 83.61 | 15.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.57 |
| | 2000 Hz | 95.60 | 0.00 | | 83.61 | 41.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.28 |
| | 4000 Hz | 86.90 | 0.00 | | 83.61 | 139.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.66 |
| | 8000 Hz | 65.40 | 0.00 | | 83.61 | 499.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -514.38 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 83.49 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.80 |
| | 125 Hz | 104.80 | 0.00 | | 83.49 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.58 |
| | 250 Hz | 101.20 | 0.00 | | 83.49 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.32 |
| | 500 Hz | 96.80 | 0.00 | | 83.49 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.20 |
| | 1000 Hz | 92.70 | 0.00 | | 83.49 | 15.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.19 |
| | 2000 Hz | 90.50 | 0.00 | | 83.49 | 40.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -30.68 |
| | 4000 Hz | 84.90 | 0.00 | | 83.49 | 137.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.58 |
| | 8000 Hz | 70.70 | 0.00 | | 83.49 | 492.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -501.96 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 84.46 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.17 |
| | 125 Hz | 106.90 | 0.00 | | 84.46 | 1.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.51 |
| | 250 Hz | 104.10 | 0.00 | | 84.46 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.73 |
| | 500 Hz | 100.40 | 0.00 | | 84.46 | 9.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.86 |
| | 1000 Hz | 96.10 | 0.00 | | 84.46 | 17.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.58 |
| | 2000 Hz | 90.70 | 0.00 | | 84.46 | 45.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -36.27 |
| | 4000 Hz | 83.90 | 0.00 | | 84.46 | 154.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -151.90 |
| | 8000 Hz | 75.80 | 0.00 | | 84.46 | 550.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -556.15 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 83.56 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.13 |
| | 125 Hz | 108.80 | 0.00 | | 83.56 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.50 |
| | 250 Hz | 106.10 | 0.00 | | 83.56 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.11 |
| | 500 Hz | 102.40 | 0.00 | | 83.56 | 8.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.66 |
| | 1000 Hz | 98.10 | 0.00 | | 83.56 | 15.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 |
| | 2000 Hz | 92.80 | 0.00 | | 83.56 | 41.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.79 |
| | 4000 Hz | 85.90 | 0.00 | | 83.56 | 139.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.81 |
| | 8000 Hz | 77.90 | 0.00 | | 83.56 | 496.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -498.97 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 83.19 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.51 |
| | 125 Hz | 106.90 | 0.00 | | 83.19 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.03 |
| | 250 Hz | 104.10 | 0.00 | | 83.19 | 4.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.66 |
| | 500 Hz | 100.40 | 0.00 | | 83.19 | 7.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.36 |
| | 1000 Hz | 96.10 | 0.00 | | 83.19 | 14.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 |
| | 2000 Hz | 90.70 | 0.00 | | 83.19 | 39.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.84 |
| | 4000 Hz | 83.90 | 0.00 | | 83.19 | 133.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -129.73 |
| | 8000 Hz | 75.80 | 0.00 | | 83.19 | 475.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -480.32 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 79.73 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.14 |
| | 125 Hz | 108.80 | 0.00 | | 79.73 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.95 |
| | 250 Hz | 106.10 | 0.00 | | 79.73 | 2.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.52 |
| | 500 Hz | 102.40 | 0.00 | | 79.73 | 5.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.40 |
| | 1000 Hz | 98.10 | 0.00 | | 79.73 | 9.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.38 |
| | 2000 Hz | 92.80 | 0.00 | | 79.73 | 26.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.34 |
| | 4000 Hz | 85.90 | 0.00 | | 79.73 | 89.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -80.38 |
| | 8000 Hz | 77.90 | 0.00 | | 79.73 | 319.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -318.24 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 78.10 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.73 |
| | 125 Hz | 110.70 | 0.00 | | 78.10 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.67 |
| | 250 Hz | 108.00 | 0.00 | | 78.10 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.54 |
| | 500 Hz | 104.50 | 0.00 | | 78.10 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.04 |
| | 1000 Hz | 100.10 | 0.00 | | 78.10 | 8.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.72 |
| | 2000 Hz | 94.80 | 0.00 | | 78.10 | 21.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.18 |
| | 4000 Hz | 87.90 | 0.00 | | 78.10 | 74.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -61.41 |
| | 8000 Hz | 79.90 | 0.00 | | 78.10 | 264.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -259.90 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 77.07 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.99 |
| | 125 Hz | 110.90 | 0.00 | | 77.07 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.00 |
| | 250 Hz | 108.10 | 0.00 | | 77.07 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.93 |
| | 500 Hz | 104.40 | 0.00 | | 77.07 | 3.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.45 |
| | 1000 Hz | 100.10 | 0.00 | | 77.07 | 7.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.67 |
| | 2000 Hz | 94.80 | 0.00 | | 77.07 | 19.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 |
| | 4000 Hz | 88.00 | 0.00 | | 77.07 | 65.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -51.99 |
| | 8000 Hz | 80.00 | 0.00 | | 77.07 | 235.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -229.19 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.70 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.19 |
| | 125 Hz | 110.70 | 0.00 | | 75.70 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.29 |
| | 250 Hz | 108.00 | 0.00 | | 75.70 | 1.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.51 |
| | 500 Hz | 104.50 | 0.00 | | 75.70 | 3.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.49 |
| | 1000 Hz | 100.10 | 0.00 | | 75.70 | 6.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.12 |
| | 2000 Hz | 94.80 | 0.00 | | 75.70 | 16.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.50 |
| | 4000 Hz | 87.90 | 0.00 | | 75.70 | 56.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.10 |
| | 8000 Hz | 79.90 | 0.00 | | 75.70 | 200.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -193.61 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 76.30 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.78 |
| | 125 Hz | 110.90 | 0.00 | | 76.30 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.85 |
| | 250 Hz | 108.10 | 0.00 | | 76.30 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.88 |
| | 500 Hz | 104.40 | 0.00 | | 76.30 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.56 |
| | 1000 Hz | 100.10 | 0.00 | | 76.30 | 6.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.07 |
| | 2000 Hz | 94.80 | 0.00 | | 76.30 | 17.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.72 |
| | 4000 Hz | 88.00 | 0.00 | | 76.30 | 60.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -45.60 |
| | 8000 Hz | 80.00 | 0.00 | | 76.30 | 215.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -208.38 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.64 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.27 |
| | 125 Hz | 110.70 | 0.00 | | 74.64 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.43 |
| | 250 Hz | 108.00 | 0.00 | | 74.64 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.77 |
| | 500 Hz | 104.50 | 0.00 | | 74.64 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.92 |
| | 1000 Hz | 100.10 | 0.00 | | 74.64 | 5.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.89 |
| | 2000 Hz | 94.80 | 0.00 | | 74.64 | 14.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.45 |
| | 4000 Hz | 87.90 | 0.00 | | 74.64 | 49.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -33.60 |
| | 8000 Hz | 79.90 | 0.00 | | 74.64 | 177.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -169.58 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt007 | IP F | 377959.94 | 5776624.20 | 65.152 | 43.91 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 81.49 | 6.44 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 7.33 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 80.11 | 5.49 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 7.71 |

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|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 79.75 | 5.27 | 4.46 | 0.00 | 0.00 | 0.25 | 0.00 | | 8.27 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 83.88 | 8.47 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.10 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 85.83 | 0.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.92 |
| | 125 Hz | 102.50 | 0.00 | | 85.83 | 2.27 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.63 |
| | 250 Hz | 99.20 | 0.00 | | 85.83 | 5.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.84 |
| | 500 Hz | 96.00 | 0.00 | | 85.83 | 10.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.24 |
| | 1000 Hz | 92.30 | 0.00 | | 85.83 | 20.18 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -15.48 |
| | 2000 Hz | 89.10 | 0.00 | | 85.83 | 53.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -51.83 |
| | 4000 Hz | 85.30 | 0.00 | | 85.83 | 180.83 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -183.13 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 85.62 | 0.65 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 19.16 |
| | 125 Hz | 105.50 | 0.00 | | 85.62 | 2.21 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | 15.91 |
| | 250 Hz | 102.20 | 0.00 | | 85.62 | 5.61 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | 9.22 |
| | 500 Hz | 99.00 | 0.00 | | 85.62 | 10.37 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | | 1.28 |
| | 1000 Hz | 95.30 | 0.00 | | 85.62 | 19.68 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | -11.68 |
| | 2000 Hz | 92.10 | 0.00 | | 85.62 | 52.01 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | | -47.11 |
| | 4000 Hz | 88.30 | 0.00 | | 85.62 | 176.37 | -3.00 | 0.00 | 0.00 | 4.39 | 0.00 | | -175.08 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.55 | 0.19 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | 32.02 |
| | 63 Hz | 116.40 | 0.00 | | 86.55 | 0.73 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 27.62 |
| | 125 Hz | 110.70 | 0.00 | | 86.55 | 2.46 | -3.00 | 0.00 | 0.00 | 4.21 | 0.00 | | 20.48 |
| | 250 Hz | 104.40 | 0.00 | | 86.55 | 6.25 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 11.03 |
| | 500 Hz | 101.20 | 0.00 | | 86.55 | 11.55 | -3.00 | 0.00 | 0.00 | 1.88 | 0.00 | | 4.21 |
| | 1000 Hz | 99.40 | 0.00 | | 86.55 | 21.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.07 |
| | 2000 Hz | 93.80 | 0.00 | | 86.55 | 57.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.67 |
| | 4000 Hz | 86.70 | 0.00 | | 86.55 | 196.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -193.28 |
| | 8000 Hz | 78.40 | 0.00 | | 86.55 | 700.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -705.73 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.49 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.79 |
| | 63 Hz | 116.40 | 0.00 | | 82.49 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.46 |
| | 125 Hz | 110.70 | 0.00 | | 82.49 | 1.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.67 |
| | 250 Hz | 104.40 | 0.00 | | 82.49 | 3.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.00 |
| | 500 Hz | 101.20 | 0.00 | | 82.49 | 7.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.48 |
| | 1000 Hz | 99.40 | 0.00 | | 82.49 | 13.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.18 |
| | 2000 Hz | 93.80 | 0.00 | | 82.49 | 36.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.96 |
| | 4000 Hz | 86.70 | 0.00 | | 82.49 | 123.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.81 |
| | 8000 Hz | 78.40 | 0.00 | | 82.49 | 438.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -439.85 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.61 | 0.17 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 33.83 |
| | 63 Hz | 116.40 | 0.00 | | 85.61 | 0.65 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | | 30.61 |
| | 125 Hz | 110.70 | 0.00 | | 85.61 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.88 |
| | 250 Hz | 104.40 | 0.00 | | 85.61 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.18 |
| | 500 Hz | 101.20 | 0.00 | | 85.61 | 10.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.22 |
| | 1000 Hz | 99.40 | 0.00 | | 85.61 | 19.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.88 |
| | 2000 Hz | 93.80 | 0.00 | | 85.61 | 51.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.78 |
| | 4000 Hz | 86.70 | 0.00 | | 85.61 | 176.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -172.16 |
| | 8000 Hz | 78.40 | 0.00 | | 85.61 | 628.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -632.82 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.06 | 0.18 | -3.00 | 0.00 | 0.00 | 4.37 | 0.00 | | 32.79 |
| | 63 Hz | 116.40 | 0.00 | | 86.06 | 0.69 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 28.72 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 110.70 | 0.00 | | 86.06 | 2.33 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | | 22.42 |
| | 250 Hz | 104.40 | 0.00 | | 86.06 | 5.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.42 |
| | 500 Hz | 101.20 | 0.00 | | 86.06 | 10.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.21 |
| | 1000 Hz | 99.40 | 0.00 | | 86.06 | 20.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.39 |
| | 2000 Hz | 93.80 | 0.00 | | 86.06 | 54.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.02 |
| | 4000 Hz | 86.70 | 0.00 | | 86.06 | 185.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.06 |
| | 8000 Hz | 78.40 | 0.00 | | 86.06 | 662.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -666.97 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.75 | 0.16 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 35.13 |
| | 63 Hz | 116.40 | 0.00 | | 84.75 | 0.59 | -3.00 | 0.00 | 0.00 | 1.24 | 0.00 | | 32.81 |
| | 125 Hz | 110.70 | 0.00 | | 84.75 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.94 |
| | 250 Hz | 104.40 | 0.00 | | 84.75 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.56 |
| | 500 Hz | 101.20 | 0.00 | | 84.75 | 9.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.05 |
| | 1000 Hz | 99.40 | 0.00 | | 84.75 | 17.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.18 |
| | 2000 Hz | 93.80 | 0.00 | | 84.75 | 47.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.05 |
| | 4000 Hz | 86.70 | 0.00 | | 84.75 | 159.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -154.76 |
| | 8000 Hz | 78.40 | 0.00 | | 84.75 | 569.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -572.97 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.19 | 0.16 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 34.25 |
| | 63 Hz | 116.40 | 0.00 | | 85.19 | 0.62 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | | 31.07 |
| | 125 Hz | 110.70 | 0.00 | | 85.19 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.40 |
| | 250 Hz | 104.40 | 0.00 | | 85.19 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.86 |
| | 500 Hz | 101.20 | 0.00 | | 85.19 | 9.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.13 |
| | 1000 Hz | 99.40 | 0.00 | | 85.19 | 18.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.54 |
| | 2000 Hz | 93.80 | 0.00 | | 85.19 | 49.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.92 |
| | 4000 Hz | 86.70 | 0.00 | | 85.19 | 167.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -163.46 |
| | 8000 Hz | 78.40 | 0.00 | | 85.19 | 599.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -602.86 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.17 | 0.18 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 32.55 |
| | 63 Hz | 116.40 | 0.00 | | 86.17 | 0.70 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 28.33 |
| | 125 Hz | 110.70 | 0.00 | | 86.17 | 2.36 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 21.62 |
| | 250 Hz | 104.40 | 0.00 | | 86.17 | 5.98 | -3.00 | 0.00 | 0.00 | 1.89 | 0.00 | | 13.37 |
| | 500 Hz | 101.20 | 0.00 | | 86.17 | 11.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.99 |
| | 1000 Hz | 99.40 | 0.00 | | 86.17 | 20.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.73 |
| | 2000 Hz | 93.80 | 0.00 | | 86.17 | 55.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.76 |
| | 4000 Hz | 86.70 | 0.00 | | 86.17 | 187.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -184.33 |
| | 8000 Hz | 78.40 | 0.00 | | 86.17 | 670.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -674.80 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.09 | 0.18 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | | 32.45 |
| | 63 Hz | 116.40 | 0.00 | | 86.09 | 0.69 | -3.00 | 0.00 | 0.00 | 4.57 | 0.00 | | 28.04 |
| | 125 Hz | 110.70 | 0.00 | | 86.09 | 2.34 | -3.00 | 0.00 | 0.00 | 4.37 | 0.00 | | 20.90 |
| | 250 Hz | 104.40 | 0.00 | | 86.09 | 5.93 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | | 11.44 |
| | 500 Hz | 101.20 | 0.00 | | 86.09 | 10.96 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | | 4.26 |
| | 1000 Hz | 99.40 | 0.00 | | 86.09 | 20.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.49 |
| | 2000 Hz | 93.80 | 0.00 | | 86.09 | 54.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.24 |
| | 4000 Hz | 86.70 | 0.00 | | 86.09 | 186.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.72 |
| | 8000 Hz | 78.40 | 0.00 | | 86.09 | 664.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -669.25 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.50 | 0.17 | -3.00 | 0.00 | 0.00 | 4.39 | 0.00 | | 30.04 |
| | 63 Hz | 113.10 | 0.00 | | 85.50 | 0.65 | -3.00 | 0.00 | 0.00 | 3.97 | 0.00 | | 25.98 |
| | 125 Hz | 107.40 | 0.00 | | 85.50 | 2.18 | -3.00 | 0.00 | 0.00 | 3.01 | 0.00 | | 19.71 |
| | 250 Hz | 101.10 | 0.00 | | 85.50 | 5.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.06 |
| | 500 Hz | 97.90 | 0.00 | | 85.50 | 10.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.17 |
| | 1000 Hz | 96.10 | 0.00 | | 85.50 | 19.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.81 |
| | 2000 Hz | 90.50 | 0.00 | | 85.50 | 51.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.30 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 83.40 | 0.00 | | 85.50 | 173.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -173.08 |
| | 8000 Hz | 75.10 | 0.00 | | 85.50 | 620.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -627.91 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.32 | 0.19 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | 32.25 |
| | 63 Hz | 116.40 | 0.00 | | 86.32 | 0.71 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 27.86 |
| | 125 Hz | 110.70 | 0.00 | | 86.32 | 2.40 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | | 20.75 |
| | 250 Hz | 104.40 | 0.00 | | 86.32 | 6.09 | -3.00 | 0.00 | 0.00 | 3.61 | 0.00 | | 11.39 |
| | 500 Hz | 101.20 | 0.00 | | 86.32 | 11.25 | -3.00 | 0.00 | 0.00 | 2.01 | 0.00 | | 4.62 |
| | 1000 Hz | 99.40 | 0.00 | | 86.32 | 21.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.26 |
| | 2000 Hz | 93.80 | 0.00 | | 86.32 | 56.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.91 |
| | 4000 Hz | 86.70 | 0.00 | | 86.32 | 191.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -187.85 |
| | 8000 Hz | 78.40 | 0.00 | | 86.32 | 682.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -686.96 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.81 | 0.20 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | | 31.69 |
| | 63 Hz | 116.40 | 0.00 | | 86.81 | 0.75 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | | 27.21 |
| | 125 Hz | 110.70 | 0.00 | | 86.81 | 2.54 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | | 19.87 |
| | 250 Hz | 104.40 | 0.00 | | 86.81 | 6.44 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | | 9.98 |
| | 500 Hz | 101.20 | 0.00 | | 86.81 | 11.90 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 2.03 |
| | 1000 Hz | 99.40 | 0.00 | | 86.81 | 22.59 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | | -8.56 |
| | 2000 Hz | 93.80 | 0.00 | | 86.81 | 59.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.70 |
| | 4000 Hz | 86.70 | 0.00 | | 86.81 | 202.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.53 |
| | 8000 Hz | 78.40 | 0.00 | | 86.81 | 721.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -727.36 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 84.32 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.82 |
| | 125 Hz | 104.80 | 0.00 | | 84.32 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.58 |
| | 250 Hz | 101.50 | 0.00 | | 84.32 | 4.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.34 |
| | 500 Hz | 97.10 | 0.00 | | 84.32 | 8.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.85 |
| | 1000 Hz | 91.00 | 0.00 | | 84.32 | 16.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.27 |
| | 2000 Hz | 86.30 | 0.00 | | 84.32 | 44.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.82 |
| | 4000 Hz | 80.30 | 0.00 | | 84.32 | 151.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.93 |
| | 8000 Hz | 74.00 | 0.00 | | 84.32 | 541.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -549.12 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.97 | 0.16 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 31.00 |
| | 63 Hz | 113.00 | 0.00 | | 84.97 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.42 |
| | 125 Hz | 108.60 | 0.00 | | 84.97 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.57 |
| | 250 Hz | 105.70 | 0.00 | | 84.97 | 5.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.51 |
| | 500 Hz | 101.70 | 0.00 | | 84.97 | 9.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.09 |
| | 1000 Hz | 95.50 | 0.00 | | 84.97 | 18.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.75 |
| | 2000 Hz | 89.70 | 0.00 | | 84.97 | 48.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.57 |
| | 4000 Hz | 82.20 | 0.00 | | 84.97 | 163.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -163.54 |
| | 8000 Hz | 74.00 | 0.00 | | 84.97 | 584.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -592.09 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 85.34 | 0.17 | -3.00 | 0.00 | 0.00 | 4.31 | 0.00 | | 28.19 |
| | 63 Hz | 113.00 | 0.00 | | 85.34 | 0.63 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 26.24 |
| | 125 Hz | 108.60 | 0.00 | | 85.34 | 2.14 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 21.57 |
| | 250 Hz | 105.70 | 0.00 | | 85.34 | 5.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.93 |
| | 500 Hz | 101.70 | 0.00 | | 85.34 | 10.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.32 |
| | 1000 Hz | 95.50 | 0.00 | | 85.34 | 19.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.89 |
| | 2000 Hz | 89.70 | 0.00 | | 85.34 | 50.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.00 |
| | 4000 Hz | 82.20 | 0.00 | | 85.34 | 170.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -170.91 |
| | 8000 Hz | 74.00 | 0.00 | | 85.34 | 609.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -617.43 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 80.56 | 0.10 | -3.00 | 0.00 | 0.00 | 1.92 | 0.00 | | 35.32 |
| | 63 Hz | 111.30 | 0.00 | | 80.56 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.38 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 107.40 | 0.00 | | 80.56 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.61 |
| | 250 Hz | 102.80 | 0.00 | | 80.56 | 3.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.11 |
| | 500 Hz | 99.70 | 0.00 | | 80.56 | 5.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.35 |
| | 1000 Hz | 96.60 | 0.00 | | 80.56 | 10.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.05 |
| | 2000 Hz | 91.70 | 0.00 | | 80.56 | 29.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.91 |
| | 4000 Hz | 85.00 | 0.00 | | 80.56 | 98.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -91.08 |
| | 8000 Hz | 87.30 | 0.00 | | 80.56 | 351.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -341.64 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 84.54 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.78 |
| | 125 Hz | 108.60 | 0.00 | | 84.54 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.11 |
| | 250 Hz | 103.40 | 0.00 | | 84.54 | 4.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.90 |
| | 500 Hz | 99.10 | 0.00 | | 84.54 | 9.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.40 |
| | 1000 Hz | 98.00 | 0.00 | | 84.54 | 17.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.93 |
| | 2000 Hz | 89.80 | 0.00 | | 84.54 | 45.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -37.69 |
| | 4000 Hz | 85.30 | 0.00 | | 84.54 | 155.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -152.05 |
| | 8000 Hz | 80.10 | 0.00 | | 84.54 | 555.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -557.15 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 84.39 | 0.15 | -3.00 | 0.00 | 0.00 | 1.99 | 0.00 | 35.07 |
| | 63 Hz | 112.30 | 0.00 | | 84.39 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.34 |
| | 125 Hz | 108.10 | 0.00 | | 84.39 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.79 |
| | 250 Hz | 103.50 | 0.00 | | 84.39 | 4.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.23 |
| | 500 Hz | 100.70 | 0.00 | | 84.39 | 9.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.30 |
| | 1000 Hz | 98.30 | 0.00 | | 84.39 | 17.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.19 |
| | 2000 Hz | 93.80 | 0.00 | | 84.39 | 45.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.77 |
| | 4000 Hz | 86.20 | 0.00 | | 84.39 | 153.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -148.39 |
| | 8000 Hz | 78.20 | 0.00 | | 84.39 | 546.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -549.59 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 83.57 | 0.14 | -3.00 | 0.00 | 0.00 | 1.81 | 0.00 | 34.08 |
| | 63 Hz | 111.70 | 0.00 | | 83.57 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.61 |
| | 125 Hz | 106.40 | 0.00 | | 83.57 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.08 |
| | 250 Hz | 102.10 | 0.00 | | 83.57 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.10 |
| | 500 Hz | 99.10 | 0.00 | | 83.57 | 8.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.34 |
| | 1000 Hz | 96.90 | 0.00 | | 83.57 | 15.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 |
| | 2000 Hz | 90.50 | 0.00 | | 83.57 | 41.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.15 |
| | 4000 Hz | 81.00 | 0.00 | | 83.57 | 139.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -138.89 |
| | 8000 Hz | 76.50 | 0.00 | | 83.57 | 496.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -500.99 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 85.77 | 0.18 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | 31.17 |
| | 63 Hz | 110.40 | 0.00 | | 85.77 | 0.67 | -3.00 | 0.00 | 0.00 | 3.96 | 0.00 | 23.01 |
| | 125 Hz | 107.20 | 0.00 | | 85.77 | 2.25 | -3.00 | 0.00 | 0.00 | 2.98 | 0.00 | 19.20 |
| | 250 Hz | 101.70 | 0.00 | | 85.77 | 5.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.22 |
| | 500 Hz | 98.20 | 0.00 | | 85.77 | 10.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.88 |
| | 1000 Hz | 95.60 | 0.00 | | 85.77 | 20.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.19 |
| | 2000 Hz | 93.70 | 0.00 | | 85.77 | 52.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.97 |
| | 4000 Hz | 90.70 | 0.00 | | 85.77 | 179.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -171.48 |
| | 8000 Hz | 79.50 | 0.00 | | 85.77 | 639.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -643.18 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.20 | 0.18 | -3.00 | 0.00 | 0.00 | 3.51 | 0.00 | 26.90 |
| | 63 Hz | 111.60 | 0.00 | | 86.20 | 0.70 | -3.00 | 0.00 | 0.00 | 1.74 | 0.00 | 25.96 |
| | 125 Hz | 108.60 | 0.00 | | 86.20 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.03 |
| | 250 Hz | 106.50 | 0.00 | | 86.20 | 6.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.29 |
| | 500 Hz | 102.90 | 0.00 | | 86.20 | 11.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.61 |
| | 1000 Hz | 99.60 | 0.00 | | 86.20 | 21.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.65 |
| | 2000 Hz | 95.90 | 0.00 | | 86.20 | 55.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -42.92 |
| | 4000 Hz | 90.10 | 0.00 | | 86.20 | 188.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -181.73 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 76.30 | 0.00 | | 86.20 | 672.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -679.67 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.51 | 0.19 | -3.00 | 0.00 | 0.00 | 3.55 | 0.00 | | 26.55 |
| | 63 Hz | 111.60 | 0.00 | | 86.51 | 0.73 | -3.00 | 0.00 | 0.00 | 1.84 | 0.00 | | 25.52 |
| | 125 Hz | 108.60 | 0.00 | | 86.51 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.64 |
| | 250 Hz | 106.50 | 0.00 | | 86.51 | 6.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.77 |
| | 500 Hz | 102.90 | 0.00 | | 86.51 | 11.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.90 |
| | 1000 Hz | 99.60 | 0.00 | | 86.51 | 21.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.72 |
| | 2000 Hz | 95.90 | 0.00 | | 86.51 | 57.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.23 |
| | 4000 Hz | 90.10 | 0.00 | | 86.51 | 195.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -188.83 |
| | 8000 Hz | 76.30 | 0.00 | | 86.51 | 697.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -704.20 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.97 | 0.16 | -3.00 | 0.00 | 0.00 | 3.48 | 0.00 | | 28.19 |
| | 63 Hz | 111.60 | 0.00 | | 84.97 | 0.61 | -3.00 | 0.00 | 0.00 | 1.64 | 0.00 | | 27.38 |
| | 125 Hz | 108.60 | 0.00 | | 84.97 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.57 |
| | 250 Hz | 106.50 | 0.00 | | 84.97 | 5.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.31 |
| | 500 Hz | 102.90 | 0.00 | | 84.97 | 9.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.29 |
| | 1000 Hz | 99.60 | 0.00 | | 84.97 | 18.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.65 |
| | 2000 Hz | 95.90 | 0.00 | | 84.97 | 48.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.37 |
| | 4000 Hz | 90.10 | 0.00 | | 84.97 | 163.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -155.65 |
| | 8000 Hz | 76.30 | 0.00 | | 84.97 | 584.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -589.79 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.03 | 0.16 | -3.00 | 0.00 | 0.00 | 3.51 | 0.00 | | 28.10 |
| | 63 Hz | 111.60 | 0.00 | | 85.03 | 0.61 | -3.00 | 0.00 | 0.00 | 1.72 | 0.00 | | 27.24 |
| | 125 Hz | 108.60 | 0.00 | | 85.03 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.50 |
| | 250 Hz | 106.50 | 0.00 | | 85.03 | 5.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.22 |
| | 500 Hz | 102.90 | 0.00 | | 85.03 | 9.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.17 |
| | 1000 Hz | 99.60 | 0.00 | | 85.03 | 18.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.83 |
| | 2000 Hz | 95.90 | 0.00 | | 85.03 | 48.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.76 |
| | 4000 Hz | 90.10 | 0.00 | | 85.03 | 164.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -156.83 |
| | 8000 Hz | 76.30 | 0.00 | | 85.03 | 588.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -593.86 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.60 | 0.17 | -3.00 | 0.00 | 0.00 | 3.57 | 0.00 | | 27.47 |
| | 63 Hz | 111.60 | 0.00 | | 85.60 | 0.65 | -3.00 | 0.00 | 0.00 | 1.90 | 0.00 | | 26.46 |
| | 125 Hz | 108.60 | 0.00 | | 85.60 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.80 |
| | 250 Hz | 106.50 | 0.00 | | 85.60 | 5.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.30 |
| | 500 Hz | 102.90 | 0.00 | | 85.60 | 10.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.96 |
| | 1000 Hz | 99.60 | 0.00 | | 85.60 | 19.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.63 |
| | 2000 Hz | 95.90 | 0.00 | | 85.60 | 51.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.57 |
| | 4000 Hz | 90.10 | 0.00 | | 85.60 | 175.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -168.42 |
| | 8000 Hz | 76.30 | 0.00 | | 85.60 | 627.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -633.76 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.95 | 0.14 | -3.00 | 0.00 | 0.00 | 3.47 | 0.00 | | 29.24 |
| | 63 Hz | 111.60 | 0.00 | | 83.95 | 0.54 | -3.00 | 0.00 | 0.00 | 1.59 | 0.00 | | 28.52 |
| | 125 Hz | 108.60 | 0.00 | | 83.95 | 1.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.82 |
| | 250 Hz | 106.50 | 0.00 | | 83.95 | 4.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.92 |
| | 500 Hz | 102.90 | 0.00 | | 83.95 | 8.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.39 |
| | 1000 Hz | 99.60 | 0.00 | | 83.95 | 16.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.40 |
| | 2000 Hz | 95.90 | 0.00 | | 83.95 | 42.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.98 |
| | 4000 Hz | 90.10 | 0.00 | | 83.95 | 145.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.43 |
| | 8000 Hz | 76.30 | 0.00 | | 83.95 | 519.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -523.90 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.30 | 0.15 | -3.00 | 0.00 | 0.00 | 3.54 | 0.00 | | 28.81 |
| | 63 Hz | 111.60 | 0.00 | | 84.30 | 0.56 | -3.00 | 0.00 | 0.00 | 1.80 | 0.00 | | 27.93 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 108.60 | 0.00 | | 84.30 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.39 |
| | 250 Hz | 106.50 | 0.00 | | 84.30 | 4.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.37 |
| | 500 Hz | 102.90 | 0.00 | | 84.30 | 8.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.68 |
| | 1000 Hz | 99.60 | 0.00 | | 84.30 | 16.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.37 |
| | 2000 Hz | 95.90 | 0.00 | | 84.30 | 44.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -30.12 |
| | 4000 Hz | 90.10 | 0.00 | | 84.30 | 151.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -142.84 |
| | 8000 Hz | 76.30 | 0.00 | | 84.30 | 540.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -545.83 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.02 | 0.16 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | 28.04 |
| | 63 Hz | 111.60 | 0.00 | | 85.02 | 0.61 | -3.00 | 0.00 | 0.00 | 1.95 | 0.00 | 27.02 |
| | 125 Hz | 108.60 | 0.00 | | 85.02 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.52 |
| | 250 Hz | 106.50 | 0.00 | | 85.02 | 5.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.24 |
| | 500 Hz | 102.90 | 0.00 | | 85.02 | 9.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.20 |
| | 1000 Hz | 99.60 | 0.00 | | 85.02 | 18.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.79 |
| | 2000 Hz | 95.90 | 0.00 | | 85.02 | 48.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.67 |
| | 4000 Hz | 90.10 | 0.00 | | 85.02 | 164.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -156.56 |
| | 8000 Hz | 76.30 | 0.00 | | 85.02 | 587.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -592.95 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.62 | 0.82 | -3.00 | 0.00 | 0.00 | 2.56 | 0.00 | -81.11 |
| | 125 Hz | 5.20 | 0.00 | | 87.62 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -82.21 |
| | 250 Hz | 1.90 | 0.00 | | 87.62 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.79 |
| | 500 Hz | -1.30 | 0.00 | | 87.62 | 13.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -98.99 |
| | 1000 Hz | -5.00 | 0.00 | | 87.62 | 24.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -114.42 |
| | 2000 Hz | -8.20 | 0.00 | | 87.62 | 65.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -158.34 |
| | 4000 Hz | -12.00 | 0.00 | | 87.62 | 222.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -318.79 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 81.34 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.46 |
| | 125 Hz | 106.50 | 0.00 | | 81.34 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.81 |
| | 250 Hz | 103.20 | 0.00 | | 81.34 | 3.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.43 |
| | 500 Hz | 100.00 | 0.00 | | 81.34 | 6.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.32 |
| | 1000 Hz | 96.30 | 0.00 | | 81.34 | 12.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.94 |
| | 2000 Hz | 93.10 | 0.00 | | 81.34 | 31.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.01 |
| | 4000 Hz | 89.30 | 0.00 | | 81.34 | 107.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -96.80 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.15 | 0.16 | -3.00 | 0.00 | 0.00 | 2.15 | 0.00 | 30.33 |
| | 63 Hz | 110.90 | 0.00 | | 85.15 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.12 |
| | 125 Hz | 108.00 | 0.00 | | 85.15 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.75 |
| | 250 Hz | 103.80 | 0.00 | | 85.15 | 5.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.32 |
| | 500 Hz | 101.90 | 0.00 | | 85.15 | 9.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.91 |
| | 1000 Hz | 98.90 | 0.00 | | 85.15 | 18.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.92 |
| | 2000 Hz | 94.60 | 0.00 | | 85.15 | 49.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -36.87 |
| | 4000 Hz | 88.20 | 0.00 | | 85.15 | 167.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -161.18 |
| | 8000 Hz | 78.80 | 0.00 | | 85.15 | 596.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -599.80 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.73 | 0.16 | -3.00 | 0.00 | 0.00 | 2.94 | 0.00 | 29.97 |
| | 63 Hz | 110.90 | 0.00 | | 84.73 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.58 |
| | 125 Hz | 108.00 | 0.00 | | 84.73 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.28 |
| | 250 Hz | 103.80 | 0.00 | | 84.73 | 5.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.01 |
| | 500 Hz | 101.90 | 0.00 | | 84.73 | 9.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.81 |
| | 1000 Hz | 98.90 | 0.00 | | 84.73 | 17.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.59 |
| | 2000 Hz | 94.60 | 0.00 | | 84.73 | 46.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.07 |
| | 4000 Hz | 88.20 | 0.00 | | 84.73 | 159.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -152.71 |
| | 8000 Hz | 78.80 | 0.00 | | 84.73 | 567.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -570.68 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 114.80 | 0.00 | | 85.15 | 0.16 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | | 29.26 |
| | 63 Hz | 110.90 | 0.00 | | 85.15 | 0.62 | -3.00 | 0.00 | 0.00 | 0.81 | 0.00 | | 27.33 |
| | 125 Hz | 108.00 | 0.00 | | 85.15 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.76 |
| | 250 Hz | 103.80 | 0.00 | | 85.15 | 5.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.33 |
| | 500 Hz | 101.90 | 0.00 | | 85.15 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.92 |
| | 1000 Hz | 98.90 | 0.00 | | 85.15 | 18.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.90 |
| | 2000 Hz | 94.60 | 0.00 | | 85.15 | 49.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.83 |
| | 4000 Hz | 88.20 | 0.00 | | 85.15 | 167.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.06 |
| | 8000 Hz | 78.80 | 0.00 | | 85.15 | 596.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -599.37 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.29 | 0.15 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | | 30.75 |
| | 63 Hz | 110.90 | 0.00 | | 84.29 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.05 |
| | 125 Hz | 108.00 | 0.00 | | 84.29 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.81 |
| | 250 Hz | 103.80 | 0.00 | | 84.29 | 4.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.69 |
| | 500 Hz | 101.90 | 0.00 | | 84.29 | 8.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.71 |
| | 1000 Hz | 98.90 | 0.00 | | 84.29 | 16.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.72 |
| | 2000 Hz | 94.60 | 0.00 | | 84.29 | 44.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.32 |
| | 4000 Hz | 88.20 | 0.00 | | 84.29 | 151.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.43 |
| | 8000 Hz | 78.80 | 0.00 | | 84.29 | 539.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -542.27 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 80.84 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.26 |
| | 63 Hz | 122.10 | 0.00 | | 80.84 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.88 |
| | 125 Hz | 115.00 | 0.00 | | 80.84 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.88 |
| | 250 Hz | 108.00 | 0.00 | | 80.84 | 3.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.92 |
| | 500 Hz | 103.90 | 0.00 | | 80.84 | 5.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.07 |
| | 1000 Hz | 101.60 | 0.00 | | 80.84 | 11.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.40 |
| | 2000 Hz | 96.70 | 0.00 | | 80.84 | 30.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.15 |
| | 4000 Hz | 88.60 | 0.00 | | 80.84 | 101.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.02 |
| | 8000 Hz | 80.90 | 0.00 | | 80.84 | 363.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -359.95 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 81.33 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.77 |
| | 125 Hz | 109.80 | 0.00 | | 81.33 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.12 |
| | 250 Hz | 107.40 | 0.00 | | 81.33 | 3.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.65 |
| | 500 Hz | 101.60 | 0.00 | | 81.33 | 6.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.94 |
| | 1000 Hz | 94.50 | 0.00 | | 81.33 | 12.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.16 |
| | 2000 Hz | 88.00 | 0.00 | | 81.33 | 31.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.07 |
| | 4000 Hz | 85.30 | 0.00 | | 81.33 | 107.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.66 |
| | 8000 Hz | 79.90 | 0.00 | | 81.33 | 383.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -382.30 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 81.92 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.25 |
| | 125 Hz | 110.80 | 0.00 | | 81.92 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.44 |
| | 250 Hz | 105.10 | 0.00 | | 81.92 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.52 |
| | 500 Hz | 102.60 | 0.00 | | 81.92 | 6.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.91 |
| | 1000 Hz | 99.60 | 0.00 | | 81.92 | 12.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.83 |
| | 2000 Hz | 93.10 | 0.00 | | 81.92 | 33.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.79 |
| | 4000 Hz | 80.70 | 0.00 | | 81.92 | 115.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.42 |
| | 8000 Hz | 77.00 | 0.00 | | 81.92 | 410.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -412.80 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.51 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.63 |
| | 125 Hz | 110.80 | 0.00 | | 82.51 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.75 |
| | 250 Hz | 105.10 | 0.00 | | 82.51 | 3.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.67 |
| | 500 Hz | 102.60 | 0.00 | | 82.51 | 7.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.84 |
| | 1000 Hz | 99.60 | 0.00 | | 82.51 | 13.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.33 |
| | 2000 Hz | 93.10 | 0.00 | | 82.51 | 36.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.77 |
| | 4000 Hz | 80.70 | 0.00 | | 82.51 | 123.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.11 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 77.00 | 0.00 | | 82.51 | 439.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -442.28 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.05 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.06 |
| | 125 Hz | 110.80 | 0.00 | | 83.05 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.10 |
| | 250 Hz | 105.10 | 0.00 | | 83.05 | 4.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.87 |
| | 500 Hz | 102.60 | 0.00 | | 83.05 | 7.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.82 |
| | 1000 Hz | 99.60 | 0.00 | | 83.05 | 14.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.89 |
| | 2000 Hz | 93.10 | 0.00 | | 83.05 | 38.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.68 |
| | 4000 Hz | 80.70 | 0.00 | | 83.05 | 131.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.67 |
| | 8000 Hz | 77.00 | 0.00 | | 83.05 | 468.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.41 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 80.23 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.82 |
| | 125 Hz | 104.80 | 0.00 | | 80.23 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.38 |
| | 250 Hz | 99.40 | 0.00 | | 80.23 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.15 |
| | 500 Hz | 95.00 | 0.00 | | 80.23 | 5.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.19 |
| | 1000 Hz | 93.20 | 0.00 | | 80.23 | 10.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.39 |
| | 2000 Hz | 89.10 | 0.00 | | 80.23 | 27.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.10 |
| | 4000 Hz | 83.90 | 0.00 | | 80.23 | 94.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.18 |
| | 8000 Hz | 82.20 | 0.00 | | 80.23 | 338.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -333.32 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.38 | 0.64 | -3.00 | 0.00 | 0.00 | 0.28 | 0.00 | | 32.00 |
| | 125 Hz | 111.00 | 0.00 | | 85.38 | 2.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.47 |
| | 250 Hz | 106.60 | 0.00 | | 85.38 | 5.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.75 |
| | 500 Hz | 103.70 | 0.00 | | 85.38 | 10.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.22 |
| | 1000 Hz | 99.80 | 0.00 | | 85.38 | 19.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.74 |
| | 2000 Hz | 95.60 | 0.00 | | 85.38 | 50.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.40 |
| | 4000 Hz | 86.90 | 0.00 | | 85.38 | 171.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -167.14 |
| | 8000 Hz | 65.40 | 0.00 | | 85.38 | 612.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -629.22 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.38 | 0.57 | -3.00 | 0.00 | 0.00 | 0.04 | 0.00 | | 33.31 |
| | 125 Hz | 111.00 | 0.00 | | 84.38 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.70 |
| | 250 Hz | 106.60 | 0.00 | | 84.38 | 4.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.35 |
| | 500 Hz | 103.70 | 0.00 | | 84.38 | 9.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.32 |
| | 1000 Hz | 99.80 | 0.00 | | 84.38 | 17.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.34 |
| | 2000 Hz | 95.60 | 0.00 | | 84.38 | 45.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.90 |
| | 4000 Hz | 86.90 | 0.00 | | 84.38 | 153.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.49 |
| | 8000 Hz | 65.40 | 0.00 | | 84.38 | 545.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -561.70 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.62 | 0.46 | -3.00 | 0.00 | 0.00 | 2.21 | 0.00 | | 33.01 |
| | 125 Hz | 111.00 | 0.00 | | 82.62 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.82 |
| | 250 Hz | 106.60 | 0.00 | | 82.62 | 3.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.01 |
| | 500 Hz | 103.70 | 0.00 | | 82.62 | 7.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.74 |
| | 1000 Hz | 99.80 | 0.00 | | 82.62 | 13.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.25 |
| | 2000 Hz | 95.60 | 0.00 | | 82.62 | 36.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.84 |
| | 4000 Hz | 86.90 | 0.00 | | 82.62 | 124.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.60 |
| | 8000 Hz | 65.40 | 0.00 | | 82.62 | 445.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -459.62 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 82.69 | 0.47 | -3.00 | 0.00 | 0.00 | 2.28 | 0.00 | | 32.47 |
| | 125 Hz | 110.20 | 0.00 | | 82.69 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.93 |
| | 250 Hz | 105.30 | 0.00 | | 82.69 | 4.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.61 |
| | 500 Hz | 102.70 | 0.00 | | 82.69 | 7.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.61 |
| | 1000 Hz | 99.80 | 0.00 | | 82.69 | 14.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.07 |
| | 2000 Hz | 95.50 | 0.00 | | 82.69 | 37.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.30 |
| | 4000 Hz | 84.90 | 0.00 | | 82.69 | 125.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.66 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 61.80 | 0.00 | | 82.69 | 448.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -466.82 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 82.97 | 0.48 | -3.00 | 0.00 | 0.00 | 2.49 | 0.00 | | 31.95 |
| | 125 Hz | 110.20 | 0.00 | | 82.97 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.59 |
| | 250 Hz | 105.30 | 0.00 | | 82.97 | 4.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.18 |
| | 500 Hz | 102.70 | 0.00 | | 82.97 | 7.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.07 |
| | 1000 Hz | 99.80 | 0.00 | | 82.97 | 14.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.30 |
| | 2000 Hz | 95.50 | 0.00 | | 82.97 | 38.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.84 |
| | 4000 Hz | 84.90 | 0.00 | | 82.97 | 130.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.19 |
| | 8000 Hz | 61.80 | 0.00 | | 82.97 | 464.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -482.24 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 81.44 | 0.40 | -3.00 | 0.00 | 0.00 | 1.99 | 0.00 | | 34.46 |
| | 125 Hz | 111.00 | 0.00 | | 81.44 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.19 |
| | 250 Hz | 106.60 | 0.00 | | 81.44 | 3.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.69 |
| | 500 Hz | 103.70 | 0.00 | | 81.44 | 6.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.84 |
| | 1000 Hz | 99.80 | 0.00 | | 81.44 | 12.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.19 |
| | 2000 Hz | 95.60 | 0.00 | | 81.44 | 32.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.00 |
| | 4000 Hz | 86.90 | 0.00 | | 81.44 | 109.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.61 |
| | 8000 Hz | 65.40 | 0.00 | | 81.44 | 388.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.04 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 81.84 | 0.42 | -3.00 | 0.00 | 0.00 | 2.32 | 0.00 | | 33.72 |
| | 125 Hz | 111.00 | 0.00 | | 81.84 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.73 |
| | 250 Hz | 106.60 | 0.00 | | 81.84 | 3.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.13 |
| | 500 Hz | 103.70 | 0.00 | | 81.84 | 6.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.15 |
| | 1000 Hz | 99.80 | 0.00 | | 81.84 | 12.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.22 |
| | 2000 Hz | 95.60 | 0.00 | | 81.84 | 33.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.91 |
| | 4000 Hz | 86.90 | 0.00 | | 81.84 | 114.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.11 |
| | 8000 Hz | 65.40 | 0.00 | | 81.84 | 407.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -420.66 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.24 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.16 |
| | 125 Hz | 104.80 | 0.00 | | 81.24 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.22 |
| | 250 Hz | 101.20 | 0.00 | | 81.24 | 3.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.56 |
| | 500 Hz | 96.80 | 0.00 | | 81.24 | 6.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.29 |
| | 1000 Hz | 92.70 | 0.00 | | 81.24 | 11.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.56 |
| | 2000 Hz | 90.50 | 0.00 | | 81.24 | 31.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.18 |
| | 4000 Hz | 84.90 | 0.00 | | 81.24 | 106.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.96 |
| | 8000 Hz | 70.70 | 0.00 | | 81.24 | 380.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -387.79 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 84.02 | 0.54 | -3.00 | 0.00 | 0.00 | 1.20 | 0.00 | | 26.44 |
| | 125 Hz | 106.90 | 0.00 | | 84.02 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.04 |
| | 250 Hz | 104.10 | 0.00 | | 84.02 | 4.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.41 |
| | 500 Hz | 100.40 | 0.00 | | 84.02 | 8.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.76 |
| | 1000 Hz | 96.10 | 0.00 | | 84.02 | 16.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.29 |
| | 2000 Hz | 90.70 | 0.00 | | 84.02 | 43.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.57 |
| | 4000 Hz | 83.90 | 0.00 | | 84.02 | 146.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.80 |
| | 8000 Hz | 75.80 | 0.00 | | 84.02 | 523.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -528.38 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 83.21 | 0.50 | -3.00 | 0.00 | 0.00 | 1.06 | 0.00 | | 29.42 |
| | 125 Hz | 108.80 | 0.00 | | 83.21 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.91 |
| | 250 Hz | 106.10 | 0.00 | | 83.21 | 4.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.63 |
| | 500 Hz | 102.40 | 0.00 | | 83.21 | 7.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.32 |
| | 1000 Hz | 98.10 | 0.00 | | 83.21 | 14.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.96 |
| | 2000 Hz | 92.80 | 0.00 | | 83.21 | 39.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.86 |
| | 4000 Hz | 85.90 | 0.00 | | 83.21 | 133.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.07 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 77.90 | 0.00 | | 83.21 | 477.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -479.36 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.52 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.23 |
| | 125 Hz | 106.90 | 0.00 | | 82.52 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.84 |
| | 250 Hz | 104.10 | 0.00 | | 82.52 | 3.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.66 |
| | 500 Hz | 100.40 | 0.00 | | 82.52 | 7.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.63 |
| | 1000 Hz | 96.10 | 0.00 | | 82.52 | 13.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.81 |
| | 2000 Hz | 90.70 | 0.00 | | 82.52 | 36.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.21 |
| | 4000 Hz | 83.90 | 0.00 | | 82.52 | 123.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.02 |
| | 8000 Hz | 75.80 | 0.00 | | 82.52 | 440.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -443.86 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.96 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.97 |
| | 125 Hz | 108.80 | 0.00 | | 77.96 | 0.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.92 |
| | 250 Hz | 106.10 | 0.00 | | 77.96 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.81 |
| | 500 Hz | 102.40 | 0.00 | | 77.96 | 4.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.14 |
| | 1000 Hz | 98.10 | 0.00 | | 77.96 | 8.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.99 |
| | 2000 Hz | 92.80 | 0.00 | | 77.96 | 21.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.70 |
| | 4000 Hz | 85.90 | 0.00 | | 77.96 | 73.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.12 |
| | 8000 Hz | 77.90 | 0.00 | | 77.96 | 260.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -257.63 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 76.15 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.73 |
| | 125 Hz | 110.70 | 0.00 | | 76.15 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.81 |
| | 250 Hz | 108.00 | 0.00 | | 76.15 | 1.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.97 |
| | 500 Hz | 104.50 | 0.00 | | 76.15 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.87 |
| | 1000 Hz | 100.10 | 0.00 | | 76.15 | 6.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.34 |
| | 2000 Hz | 94.80 | 0.00 | | 76.15 | 17.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.18 |
| | 4000 Hz | 87.90 | 0.00 | | 76.15 | 59.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.52 |
| | 8000 Hz | 79.90 | 0.00 | | 76.15 | 211.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.65 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.83 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.30 |
| | 125 Hz | 110.90 | 0.00 | | 73.83 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.50 |
| | 250 Hz | 108.10 | 0.00 | | 73.83 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.82 |
| | 500 Hz | 104.40 | 0.00 | | 73.83 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.90 |
| | 1000 Hz | 100.10 | 0.00 | | 73.83 | 5.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.20 |
| | 2000 Hz | 94.80 | 0.00 | | 73.83 | 13.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.58 |
| | 4000 Hz | 88.00 | 0.00 | | 73.83 | 45.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.23 |
| | 8000 Hz | 80.00 | 0.00 | | 73.83 | 161.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.77 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.82 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.11 |
| | 125 Hz | 110.70 | 0.00 | | 73.82 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.31 |
| | 250 Hz | 108.00 | 0.00 | | 73.82 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.74 |
| | 500 Hz | 104.50 | 0.00 | | 73.82 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.01 |
| | 1000 Hz | 100.10 | 0.00 | | 73.82 | 5.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.22 |
| | 2000 Hz | 94.80 | 0.00 | | 73.82 | 13.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.61 |
| | 4000 Hz | 87.90 | 0.00 | | 73.82 | 45.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.26 |
| | 8000 Hz | 79.90 | 0.00 | | 73.82 | 161.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.64 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 70.95 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.22 |
| | 125 Hz | 110.90 | 0.00 | | 70.95 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.54 |
| | 250 Hz | 108.10 | 0.00 | | 70.95 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.11 |
| | 500 Hz | 104.40 | 0.00 | | 70.95 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.53 |
| | 1000 Hz | 100.10 | 0.00 | | 70.95 | 3.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.51 |
| | 2000 Hz | 94.80 | 0.00 | | 70.95 | 9.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.23 |
| | 4000 Hz | 88.00 | 0.00 | | 70.95 | 32.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.56 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 8000 Hz | 80.00 | 0.00 | | 70.95 | 116.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -104.25 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 66.05 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.98 |
| | 125 Hz | 110.70 | 0.00 | | 66.05 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.42 |
| | 250 Hz | 108.00 | 0.00 | | 66.05 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.36 |
| | 500 Hz | 104.50 | 0.00 | | 66.05 | 1.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.36 |
| | 1000 Hz | 100.10 | 0.00 | | 66.05 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.98 |
| | 2000 Hz | 94.80 | 0.00 | | 66.05 | 5.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.29 |
| | 4000 Hz | 87.90 | 0.00 | | 66.05 | 18.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.32 |
| | 8000 Hz | 79.90 | 0.00 | | 66.05 | 66.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.25 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt008 | IP G | 378059.26 | 5777052.69 | 62.293 | 42.67 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 80.63 | 5.83 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 8.80 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 80.36 | 5.65 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 7.29 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.53 | 5.76 | 4.49 | 0.00 | 0.00 | 0.25 | 0.00 | 6.98 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 83.92 | 8.52 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | -93.19 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 86.15 | 0.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.58 |
| | 125 Hz | 102.50 | 0.00 | | 86.15 | 2.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.22 |
| | 250 Hz | 99.20 | 0.00 | | 86.15 | 5.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.30 |
| | 500 Hz | 96.00 | 0.00 | | 86.15 | 11.03 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -2.96 |
| | 1000 Hz | 92.30 | 0.00 | | 86.15 | 20.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -16.56 |
| | 2000 Hz | 89.10 | 0.00 | | 86.15 | 55.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -54.14 |
| | 4000 Hz | 85.30 | 0.00 | | 86.15 | 187.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -190.22 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 85.99 | 0.68 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 18.75 |
| | 125 Hz | 105.50 | 0.00 | | 85.99 | 2.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.43 |
| | 250 Hz | 102.20 | 0.00 | | 85.99 | 5.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 8.58 |
| | 500 Hz | 99.00 | 0.00 | | 85.99 | 10.83 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 0.41 |
| | 1000 Hz | 95.30 | 0.00 | | 85.99 | 20.55 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | -13.00 |
| | 2000 Hz | 92.10 | 0.00 | | 85.99 | 54.31 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | -49.94 |
| | 4000 Hz | 88.30 | 0.00 | | 85.99 | 184.17 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | -183.56 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.92 | 0.20 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 31.60 |
| | 63 Hz | 116.40 | 0.00 | | 86.92 | 0.76 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 27.12 |
| | 125 Hz | 110.70 | 0.00 | | 86.92 | 2.57 | -3.00 | 0.00 | 0.00 | 4.42 | 0.00 | 19.79 |
| | 250 Hz | 104.40 | 0.00 | | 86.92 | 6.52 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | 9.92 |
| | 500 Hz | 101.20 | 0.00 | | 86.92 | 12.05 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | 2.07 |
| | 1000 Hz | 99.40 | 0.00 | | 86.92 | 22.86 | -3.00 | 0.00 | 0.00 | 0.58 | 0.00 | -7.96 |
| | 2000 Hz | 93.80 | 0.00 | | 86.92 | 60.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -50.53 |
| | 4000 Hz | 86.70 | 0.00 | | 86.92 | 204.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -202.07 |
| | 8000 Hz | 78.40 | 0.00 | | 86.92 | 730.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -736.16 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.95 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.32 |
| | 63 Hz | 116.40 | 0.00 | | 82.95 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.97 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.70 | 0.00 | | 82.95 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.12 |
| | 250 Hz | 104.40 | 0.00 | | 82.95 | 4.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.32 |
| | 500 Hz | 101.20 | 0.00 | | 82.95 | 7.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.62 |
| | 1000 Hz | 99.40 | 0.00 | | 82.95 | 14.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.97 |
| | 2000 Hz | 93.80 | 0.00 | | 82.95 | 38.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.40 |
| | 4000 Hz | 86.70 | 0.00 | | 82.95 | 129.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -122.97 |
| | 8000 Hz | 78.40 | 0.00 | | 82.95 | 462.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -464.23 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.03 | 0.18 | -3.00 | 0.00 | 0.00 | 4.02 | 0.00 | 33.17 |
| | 63 Hz | 116.40 | 0.00 | | 86.03 | 0.69 | -3.00 | 0.00 | 0.00 | 3.10 | 0.00 | 29.58 |
| | 125 Hz | 110.70 | 0.00 | | 86.03 | 2.32 | -3.00 | 0.00 | 0.00 | 0.41 | 0.00 | 24.94 |
| | 250 Hz | 104.40 | 0.00 | | 86.03 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.47 |
| | 500 Hz | 101.20 | 0.00 | | 86.03 | 10.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.28 |
| | 1000 Hz | 99.40 | 0.00 | | 86.03 | 20.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.29 |
| | 2000 Hz | 93.80 | 0.00 | | 86.03 | 54.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.80 |
| | 4000 Hz | 86.70 | 0.00 | | 86.03 | 185.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -181.39 |
| | 8000 Hz | 78.40 | 0.00 | | 86.03 | 660.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -664.66 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.47 | 0.19 | -3.00 | 0.00 | 0.00 | 4.49 | 0.00 | 32.24 |
| | 63 Hz | 116.40 | 0.00 | | 86.47 | 0.72 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | 28.01 |
| | 125 Hz | 110.70 | 0.00 | | 86.47 | 2.44 | -3.00 | 0.00 | 0.00 | 3.55 | 0.00 | 21.24 |
| | 250 Hz | 104.40 | 0.00 | | 86.47 | 6.20 | -3.00 | 0.00 | 0.00 | 1.83 | 0.00 | 12.90 |
| | 500 Hz | 101.20 | 0.00 | | 86.47 | 11.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.28 |
| | 1000 Hz | 99.40 | 0.00 | | 86.47 | 21.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.79 |
| | 2000 Hz | 93.80 | 0.00 | | 86.47 | 57.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.06 |
| | 4000 Hz | 86.70 | 0.00 | | 86.47 | 194.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -191.40 |
| | 8000 Hz | 78.40 | 0.00 | | 86.47 | 694.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -699.23 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.18 | 0.16 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | 34.66 |
| | 63 Hz | 116.40 | 0.00 | | 85.18 | 0.62 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | 32.23 |
| | 125 Hz | 110.70 | 0.00 | | 85.18 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.42 |
| | 250 Hz | 104.40 | 0.00 | | 85.18 | 5.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.88 |
| | 500 Hz | 101.20 | 0.00 | | 85.18 | 9.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.16 |
| | 1000 Hz | 99.40 | 0.00 | | 85.18 | 18.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.49 |
| | 2000 Hz | 93.80 | 0.00 | | 85.18 | 49.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -37.82 |
| | 4000 Hz | 86.70 | 0.00 | | 85.18 | 167.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -163.15 |
| | 8000 Hz | 78.40 | 0.00 | | 85.18 | 598.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -601.81 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.59 | 0.17 | -3.00 | 0.00 | 0.00 | 3.82 | 0.00 | 33.81 |
| | 63 Hz | 116.40 | 0.00 | | 85.59 | 0.65 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | 30.54 |
| | 125 Hz | 110.70 | 0.00 | | 85.59 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.90 |
| | 250 Hz | 104.40 | 0.00 | | 85.59 | 5.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.21 |
| | 500 Hz | 101.20 | 0.00 | | 85.59 | 10.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.27 |
| | 1000 Hz | 99.40 | 0.00 | | 85.59 | 19.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.82 |
| | 2000 Hz | 93.80 | 0.00 | | 85.59 | 51.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -40.65 |
| | 4000 Hz | 86.70 | 0.00 | | 85.59 | 175.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -171.74 |
| | 8000 Hz | 78.40 | 0.00 | | 85.59 | 627.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -631.38 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.53 | 0.19 | -3.00 | 0.00 | 0.00 | 4.53 | 0.00 | 32.15 |
| | 63 Hz | 116.40 | 0.00 | | 86.53 | 0.73 | -3.00 | 0.00 | 0.00 | 4.28 | 0.00 | 27.86 |
| | 125 Hz | 110.70 | 0.00 | | 86.53 | 2.46 | -3.00 | 0.00 | 0.00 | 3.74 | 0.00 | 20.97 |
| | 250 Hz | 104.40 | 0.00 | | 86.53 | 6.24 | -3.00 | 0.00 | 0.00 | 2.40 | 0.00 | 12.24 |
| | 500 Hz | 101.20 | 0.00 | | 86.53 | 11.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.15 |
| | 1000 Hz | 99.40 | 0.00 | | 86.53 | 21.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.99 |
| | 2000 Hz | 93.80 | 0.00 | | 86.53 | 57.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.49 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 4000 Hz | 86.70 | 0.00 | | 86.53 | 195.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -192.71 |
| | 8000 Hz | 78.40 | 0.00 | | 86.53 | 698.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -703.77 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.39 | 0.19 | -3.00 | 0.00 | 0.00 | 4.53 | 0.00 | 32.29 |
| | 63 Hz | 116.40 | 0.00 | | 86.39 | 0.72 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | 28.03 |
| | 125 Hz | 110.70 | 0.00 | | 86.39 | 2.42 | -3.00 | 0.00 | 0.00 | 3.70 | 0.00 | 21.19 |
| | 250 Hz | 104.40 | 0.00 | | 86.39 | 6.14 | -3.00 | 0.00 | 0.00 | 2.28 | 0.00 | 12.59 |
| | 500 Hz | 101.20 | 0.00 | | 86.39 | 11.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.46 |
| | 1000 Hz | 99.40 | 0.00 | | 86.39 | 21.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.51 |
| | 2000 Hz | 93.80 | 0.00 | | 86.39 | 56.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -46.46 |
| | 4000 Hz | 86.70 | 0.00 | | 86.39 | 192.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -189.54 |
| | 8000 Hz | 78.40 | 0.00 | | 86.39 | 687.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -692.82 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.84 | 0.18 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | 29.70 |
| | 63 Hz | 113.10 | 0.00 | | 85.84 | 0.67 | -3.00 | 0.00 | 0.00 | 3.96 | 0.00 | 25.63 |
| | 125 Hz | 107.40 | 0.00 | | 85.84 | 2.27 | -3.00 | 0.00 | 0.00 | 2.97 | 0.00 | 19.32 |
| | 250 Hz | 101.10 | 0.00 | | 85.84 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.50 |
| | 500 Hz | 97.90 | 0.00 | | 85.84 | 10.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.42 |
| | 1000 Hz | 96.10 | 0.00 | | 85.84 | 20.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.93 |
| | 2000 Hz | 90.50 | 0.00 | | 85.84 | 53.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -45.69 |
| | 4000 Hz | 83.40 | 0.00 | | 85.84 | 180.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -180.36 |
| | 8000 Hz | 75.10 | 0.00 | | 85.84 | 645.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -653.04 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.63 | 0.19 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | 31.93 |
| | 63 Hz | 116.40 | 0.00 | | 86.63 | 0.74 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | 27.52 |
| | 125 Hz | 110.70 | 0.00 | | 86.63 | 2.49 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | 20.35 |
| | 250 Hz | 104.40 | 0.00 | | 86.63 | 6.31 | -3.00 | 0.00 | 0.00 | 3.62 | 0.00 | 10.84 |
| | 500 Hz | 101.20 | 0.00 | | 86.63 | 11.66 | -3.00 | 0.00 | 0.00 | 2.04 | 0.00 | 3.87 |
| | 1000 Hz | 99.40 | 0.00 | | 86.63 | 22.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.35 |
| | 2000 Hz | 93.80 | 0.00 | | 86.63 | 58.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -48.29 |
| | 4000 Hz | 86.70 | 0.00 | | 86.63 | 198.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -195.16 |
| | 8000 Hz | 78.40 | 0.00 | | 86.63 | 707.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -712.26 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.13 | 0.21 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | 31.34 |
| | 63 Hz | 116.40 | 0.00 | | 87.13 | 0.78 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | 26.82 |
| | 125 Hz | 110.70 | 0.00 | | 87.13 | 2.63 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | 19.37 |
| | 250 Hz | 104.40 | 0.00 | | 87.13 | 6.68 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | 9.24 |
| | 500 Hz | 101.20 | 0.00 | | 87.13 | 12.35 | -3.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.85 |
| | 1000 Hz | 99.40 | 0.00 | | 87.13 | 23.43 | -3.00 | 0.00 | 0.00 | 2.74 | 0.00 | -10.90 |
| | 2000 Hz | 93.80 | 0.00 | | 87.13 | 61.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.24 |
| | 4000 Hz | 86.70 | 0.00 | | 87.13 | 209.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -207.38 |
| | 8000 Hz | 78.40 | 0.00 | | 87.13 | 748.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -754.55 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 83.52 | 0.51 | -3.00 | 0.00 | 0.00 | 4.24 | 0.00 | 23.42 |
| | 125 Hz | 104.80 | 0.00 | | 83.52 | 1.74 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | 18.90 |
| | 250 Hz | 101.50 | 0.00 | | 83.52 | 4.41 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | 14.45 |
| | 500 Hz | 97.10 | 0.00 | | 83.52 | 8.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.43 |
| | 1000 Hz | 91.00 | 0.00 | | 83.52 | 15.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.99 |
| | 2000 Hz | 86.30 | 0.00 | | 83.52 | 40.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.09 |
| | 4000 Hz | 80.30 | 0.00 | | 83.52 | 138.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -138.81 |
| | 8000 Hz | 74.00 | 0.00 | | 83.52 | 494.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -500.81 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.23 | 0.15 | -3.00 | 0.00 | 0.00 | 4.53 | 0.00 | 29.09 |
| | 63 Hz | 113.00 | 0.00 | | 84.23 | 0.56 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | 26.94 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 108.60 | 0.00 | | 84.23 | 1.89 | -3.00 | 0.00 | 0.00 | 3.70 | 0.00 | | 21.78 |
| | 250 Hz | 105.70 | 0.00 | | 84.23 | 4.79 | -3.00 | 0.00 | 0.00 | 2.28 | 0.00 | | 17.40 |
| | 500 Hz | 101.70 | 0.00 | | 84.23 | 8.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.62 |
| | 1000 Hz | 95.50 | 0.00 | | 84.23 | 16.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.52 |
| | 2000 Hz | 89.70 | 0.00 | | 84.23 | 44.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.89 |
| | 4000 Hz | 82.20 | 0.00 | | 84.23 | 150.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -149.44 |
| | 8000 Hz | 74.00 | 0.00 | | 84.23 | 536.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -543.69 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.61 | 0.15 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 28.74 |
| | 63 Hz | 113.00 | 0.00 | | 84.61 | 0.58 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 26.61 |
| | 125 Hz | 108.60 | 0.00 | | 84.61 | 1.97 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 21.47 |
| | 250 Hz | 105.70 | 0.00 | | 84.61 | 5.00 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 17.23 |
| | 500 Hz | 101.70 | 0.00 | | 84.61 | 9.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.86 |
| | 1000 Hz | 95.50 | 0.00 | | 84.61 | 17.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.63 |
| | 2000 Hz | 89.70 | 0.00 | | 84.61 | 46.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.22 |
| | 4000 Hz | 82.20 | 0.00 | | 84.61 | 157.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -156.44 |
| | 8000 Hz | 74.00 | 0.00 | | 84.61 | 560.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -567.70 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 79.57 | 0.09 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 33.74 |
| | 63 Hz | 111.30 | 0.00 | | 79.57 | 0.33 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | | 30.17 |
| | 125 Hz | 107.40 | 0.00 | | 79.57 | 1.10 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 26.10 |
| | 250 Hz | 102.80 | 0.00 | | 79.57 | 2.80 | -3.00 | 0.00 | 0.00 | 2.08 | 0.00 | | 21.36 |
| | 500 Hz | 99.70 | 0.00 | | 79.57 | 5.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.97 |
| | 1000 Hz | 96.60 | 0.00 | | 79.57 | 9.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.23 |
| | 2000 Hz | 91.70 | 0.00 | | 79.57 | 25.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.78 |
| | 4000 Hz | 85.00 | 0.00 | | 79.57 | 87.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.43 |
| | 8000 Hz | 87.30 | 0.00 | | 79.57 | 313.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -302.66 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.80 | 0.53 | -3.00 | 0.00 | 0.00 | 4.34 | 0.00 | | 26.23 |
| | 125 Hz | 108.60 | 0.00 | | 83.80 | 1.79 | -3.00 | 0.00 | 0.00 | 3.87 | 0.00 | | 22.14 |
| | 250 Hz | 103.40 | 0.00 | | 83.80 | 4.55 | -3.00 | 0.00 | 0.00 | 2.72 | 0.00 | | 15.33 |
| | 500 Hz | 99.10 | 0.00 | | 83.80 | 8.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.89 |
| | 1000 Hz | 98.00 | 0.00 | | 83.80 | 15.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.24 |
| | 2000 Hz | 89.80 | 0.00 | | 83.80 | 42.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.17 |
| | 4000 Hz | 85.30 | 0.00 | | 83.80 | 143.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.52 |
| | 8000 Hz | 80.10 | 0.00 | | 83.80 | 510.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -510.82 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.62 | 0.14 | -3.00 | 0.00 | 0.00 | 4.57 | 0.00 | | 33.27 |
| | 63 Hz | 112.30 | 0.00 | | 83.62 | 0.52 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | 26.80 |
| | 125 Hz | 108.10 | 0.00 | | 83.62 | 1.76 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 21.82 |
| | 250 Hz | 103.50 | 0.00 | | 83.62 | 4.46 | -3.00 | 0.00 | 0.00 | 2.81 | 0.00 | | 15.60 |
| | 500 Hz | 100.70 | 0.00 | | 83.62 | 8.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.83 |
| | 1000 Hz | 98.30 | 0.00 | | 83.62 | 15.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.03 |
| | 2000 Hz | 93.80 | 0.00 | | 83.62 | 41.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.17 |
| | 4000 Hz | 86.20 | 0.00 | | 83.62 | 140.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.64 |
| | 8000 Hz | 78.20 | 0.00 | | 83.62 | 500.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -502.53 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 82.76 | 0.12 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 32.26 |
| | 63 Hz | 111.70 | 0.00 | | 82.76 | 0.47 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 27.35 |
| | 125 Hz | 106.40 | 0.00 | | 82.76 | 1.59 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | | 21.69 |
| | 250 Hz | 102.10 | 0.00 | | 82.76 | 4.04 | -3.00 | 0.00 | 0.00 | 1.26 | 0.00 | | 17.04 |
| | 500 Hz | 99.10 | 0.00 | | 82.76 | 7.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.88 |
| | 1000 Hz | 96.90 | 0.00 | | 82.76 | 14.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.98 |
| | 2000 Hz | 90.50 | 0.00 | | 82.76 | 37.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.68 |
| | 4000 Hz | 81.00 | 0.00 | | 82.76 | 126.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.66 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 76.50 | 0.00 | | 82.76 | 452.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -455.89 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 85.07 | 0.16 | -3.00 | 0.00 | 0.00 | 4.57 | 0.00 | | 31.70 |
| | 63 Hz | 110.40 | 0.00 | | 85.07 | 0.62 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | 23.36 |
| | 125 Hz | 107.20 | 0.00 | | 85.07 | 2.08 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 19.15 |
| | 250 Hz | 101.70 | 0.00 | | 85.07 | 5.27 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 11.55 |
| | 500 Hz | 98.20 | 0.00 | | 85.07 | 9.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.38 |
| | 1000 Hz | 95.60 | 0.00 | | 85.07 | 18.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.97 |
| | 2000 Hz | 93.70 | 0.00 | | 85.07 | 48.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.24 |
| | 4000 Hz | 90.70 | 0.00 | | 85.07 | 165.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.08 |
| | 8000 Hz | 79.50 | 0.00 | | 85.07 | 591.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -593.58 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.71 | 0.17 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | | 26.37 |
| | 63 Hz | 111.60 | 0.00 | | 85.71 | 0.66 | -3.00 | 0.00 | 0.00 | 4.30 | 0.00 | | 23.93 |
| | 125 Hz | 108.60 | 0.00 | | 85.71 | 2.24 | -3.00 | 0.00 | 0.00 | 3.77 | 0.00 | | 19.88 |
| | 250 Hz | 106.50 | 0.00 | | 85.71 | 5.68 | -3.00 | 0.00 | 0.00 | 2.46 | 0.00 | | 15.64 |
| | 500 Hz | 102.90 | 0.00 | | 85.71 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.70 |
| | 1000 Hz | 99.60 | 0.00 | | 85.71 | 19.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.02 |
| | 2000 Hz | 95.90 | 0.00 | | 85.71 | 52.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.41 |
| | 4000 Hz | 90.10 | 0.00 | | 85.71 | 178.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -170.97 |
| | 8000 Hz | 76.30 | 0.00 | | 85.71 | 636.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -642.54 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.07 | 0.18 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | | 25.99 |
| | 63 Hz | 111.60 | 0.00 | | 86.07 | 0.69 | -3.00 | 0.00 | 0.00 | 4.34 | 0.00 | | 23.50 |
| | 125 Hz | 108.60 | 0.00 | | 86.07 | 2.33 | -3.00 | 0.00 | 0.00 | 3.87 | 0.00 | | 19.34 |
| | 250 Hz | 106.50 | 0.00 | | 86.07 | 5.91 | -3.00 | 0.00 | 0.00 | 2.72 | 0.00 | | 14.80 |
| | 500 Hz | 102.90 | 0.00 | | 86.07 | 10.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.91 |
| | 1000 Hz | 99.60 | 0.00 | | 86.07 | 20.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.20 |
| | 2000 Hz | 95.90 | 0.00 | | 86.07 | 54.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.95 |
| | 4000 Hz | 90.10 | 0.00 | | 86.07 | 185.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.75 |
| | 8000 Hz | 76.30 | 0.00 | | 86.07 | 662.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -669.37 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.39 | 0.15 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 27.76 |
| | 63 Hz | 111.60 | 0.00 | | 84.39 | 0.57 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 25.43 |
| | 125 Hz | 108.60 | 0.00 | | 84.39 | 1.92 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 21.72 |
| | 250 Hz | 106.50 | 0.00 | | 84.39 | 4.88 | -3.00 | 0.00 | 0.00 | 1.88 | 0.00 | | 18.35 |
| | 500 Hz | 102.90 | 0.00 | | 84.39 | 9.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.50 |
| | 1000 Hz | 99.60 | 0.00 | | 84.39 | 17.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.11 |
| | 2000 Hz | 95.90 | 0.00 | | 84.39 | 45.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.67 |
| | 4000 Hz | 90.10 | 0.00 | | 84.39 | 153.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.50 |
| | 8000 Hz | 76.30 | 0.00 | | 84.39 | 546.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -551.51 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.50 | 0.15 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 27.65 |
| | 63 Hz | 111.60 | 0.00 | | 84.50 | 0.58 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 25.32 |
| | 125 Hz | 108.60 | 0.00 | | 84.50 | 1.94 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 21.60 |
| | 250 Hz | 106.50 | 0.00 | | 84.50 | 4.94 | -3.00 | 0.00 | 0.00 | 1.87 | 0.00 | | 18.19 |
| | 500 Hz | 102.90 | 0.00 | | 84.50 | 9.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.28 |
| | 1000 Hz | 99.60 | 0.00 | | 84.50 | 17.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.79 |
| | 2000 Hz | 95.90 | 0.00 | | 84.50 | 45.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.33 |
| | 4000 Hz | 90.10 | 0.00 | | 84.50 | 155.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -146.48 |
| | 8000 Hz | 76.30 | 0.00 | | 84.50 | 553.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -558.33 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.15 | 0.16 | -3.00 | 0.00 | 0.00 | 4.55 | 0.00 | | 26.93 |
| | 63 Hz | 111.60 | 0.00 | | 85.15 | 0.62 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | 24.50 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 108.60 | 0.00 | | 85.15 | 2.10 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | 20.51 |
| | 250 Hz | 106.50 | 0.00 | | 85.15 | 5.32 | -3.00 | 0.00 | 0.00 | 2.66 | 0.00 | 16.37 |
| | 500 Hz | 102.90 | 0.00 | | 85.15 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.92 |
| | 1000 Hz | 99.60 | 0.00 | | 85.15 | 18.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.21 |
| | 2000 Hz | 95.90 | 0.00 | | 85.15 | 49.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.54 |
| | 4000 Hz | 90.10 | 0.00 | | 85.15 | 167.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -159.21 |
| | 8000 Hz | 76.30 | 0.00 | | 85.15 | 596.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -602.05 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.35 | 0.13 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | 28.86 |
| | 63 Hz | 111.60 | 0.00 | | 83.35 | 0.50 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | 26.61 |
| | 125 Hz | 108.60 | 0.00 | | 83.35 | 1.70 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | 23.15 |
| | 250 Hz | 106.50 | 0.00 | | 83.35 | 4.32 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | 20.45 |
| | 500 Hz | 102.90 | 0.00 | | 83.35 | 7.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.56 |
| | 1000 Hz | 99.60 | 0.00 | | 83.35 | 15.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.09 |
| | 2000 Hz | 95.90 | 0.00 | | 83.35 | 40.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.50 |
| | 4000 Hz | 90.10 | 0.00 | | 83.35 | 135.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.08 |
| | 8000 Hz | 76.30 | 0.00 | | 83.35 | 484.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -488.50 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.81 | 0.14 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | 28.33 |
| | 63 Hz | 111.60 | 0.00 | | 83.81 | 0.53 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | 26.00 |
| | 125 Hz | 108.60 | 0.00 | | 83.81 | 1.80 | -3.00 | 0.00 | 0.00 | 3.68 | 0.00 | 22.31 |
| | 250 Hz | 106.50 | 0.00 | | 83.81 | 4.56 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | 18.90 |
| | 500 Hz | 102.90 | 0.00 | | 83.81 | 8.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.67 |
| | 1000 Hz | 99.60 | 0.00 | | 83.81 | 15.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 |
| | 2000 Hz | 95.90 | 0.00 | | 83.81 | 42.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.15 |
| | 4000 Hz | 90.10 | 0.00 | | 83.81 | 143.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.94 |
| | 8000 Hz | 76.30 | 0.00 | | 83.81 | 510.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -515.37 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.59 | 0.15 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | 27.51 |
| | 63 Hz | 111.60 | 0.00 | | 84.59 | 0.58 | -3.00 | 0.00 | 0.00 | 4.30 | 0.00 | 25.12 |
| | 125 Hz | 108.60 | 0.00 | | 84.59 | 1.97 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | 21.25 |
| | 250 Hz | 106.50 | 0.00 | | 84.59 | 4.99 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | 17.39 |
| | 500 Hz | 102.90 | 0.00 | | 84.59 | 9.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.09 |
| | 1000 Hz | 99.60 | 0.00 | | 84.59 | 17.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 |
| | 2000 Hz | 95.90 | 0.00 | | 84.59 | 46.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.92 |
| | 4000 Hz | 90.10 | 0.00 | | 84.59 | 156.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -148.26 |
| | 8000 Hz | 76.30 | 0.00 | | 84.59 | 559.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -564.43 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.31 | 0.80 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | -82.81 |
| | 125 Hz | 5.20 | 0.00 | | 87.31 | 2.69 | -3.00 | 0.00 | 0.00 | 4.43 | 0.00 | -86.23 |
| | 250 Hz | 1.90 | 0.00 | | 87.31 | 6.83 | -3.00 | 0.00 | 0.00 | 4.06 | 0.00 | -93.30 |
| | 500 Hz | -1.30 | 0.00 | | 87.31 | 12.61 | -3.00 | 0.00 | 0.00 | 3.21 | 0.00 | -101.44 |
| | 1000 Hz | -5.00 | 0.00 | | 87.31 | 23.93 | -3.00 | 0.00 | 0.00 | 0.75 | 0.00 | -113.99 |
| | 2000 Hz | -8.20 | 0.00 | | 87.31 | 63.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -155.75 |
| | 4000 Hz | -12.00 | 0.00 | | 87.31 | 214.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -310.75 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 81.91 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.86 |
| | 125 Hz | 106.50 | 0.00 | | 81.91 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.14 |
| | 250 Hz | 103.20 | 0.00 | | 81.91 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.62 |
| | 500 Hz | 100.00 | 0.00 | | 81.91 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.31 |
| | 1000 Hz | 96.30 | 0.00 | | 81.91 | 12.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.54 |
| | 2000 Hz | 93.10 | 0.00 | | 81.91 | 33.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.77 |
| | 4000 Hz | 89.30 | 0.00 | | 81.91 | 115.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -104.77 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 31.5 Hz | 114.80 | 0.00 | | 85.66 | 0.17 | -3.00 | 0.00 | 0.00 | 2.81 | 0.00 | 29.16 |
| | 63 Hz | 110.90 | 0.00 | | 85.66 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.58 |
| | 125 Hz | 108.00 | 0.00 | | 85.66 | 2.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.12 |
| | 250 Hz | 103.80 | 0.00 | | 85.66 | 5.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.50 |
| | 500 Hz | 101.90 | 0.00 | | 85.66 | 10.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.82 |
| | 1000 Hz | 98.90 | 0.00 | | 85.66 | 19.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.53 |
| | 2000 Hz | 94.60 | 0.00 | | 85.66 | 52.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -40.31 |
| | 4000 Hz | 88.20 | 0.00 | | 85.66 | 177.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -171.64 |
| | 8000 Hz | 78.80 | 0.00 | | 85.66 | 631.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -635.82 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.20 | 0.16 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | 29.11 |
| | 63 Hz | 110.90 | 0.00 | | 85.20 | 0.62 | -3.00 | 0.00 | 0.00 | 1.15 | 0.00 | 26.92 |
| | 125 Hz | 108.00 | 0.00 | | 85.20 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.69 |
| | 250 Hz | 103.80 | 0.00 | | 85.20 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.25 |
| | 500 Hz | 101.90 | 0.00 | | 85.20 | 9.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.81 |
| | 1000 Hz | 98.90 | 0.00 | | 85.20 | 18.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.07 |
| | 2000 Hz | 94.60 | 0.00 | | 85.20 | 49.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -37.19 |
| | 4000 Hz | 88.20 | 0.00 | | 85.20 | 168.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -162.15 |
| | 8000 Hz | 78.80 | 0.00 | | 85.20 | 599.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -603.13 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.61 | 0.17 | -3.00 | 0.00 | 0.00 | 3.57 | 0.00 | 28.45 |
| | 63 Hz | 110.90 | 0.00 | | 85.61 | 0.65 | -3.00 | 0.00 | 0.00 | 1.90 | 0.00 | 25.74 |
| | 125 Hz | 108.00 | 0.00 | | 85.61 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.19 |
| | 250 Hz | 103.80 | 0.00 | | 85.61 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.59 |
| | 500 Hz | 101.90 | 0.00 | | 85.61 | 10.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.93 |
| | 1000 Hz | 98.90 | 0.00 | | 85.61 | 19.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.36 |
| | 2000 Hz | 94.60 | 0.00 | | 85.61 | 51.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.95 |
| | 4000 Hz | 88.20 | 0.00 | | 85.61 | 176.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -170.55 |
| | 8000 Hz | 78.80 | 0.00 | | 85.61 | 628.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -632.06 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.75 | 0.16 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | 30.09 |
| | 63 Hz | 110.90 | 0.00 | | 84.75 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.55 |
| | 125 Hz | 108.00 | 0.00 | | 84.75 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.24 |
| | 250 Hz | 103.80 | 0.00 | | 84.75 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.96 |
| | 500 Hz | 101.90 | 0.00 | | 84.75 | 9.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.76 |
| | 1000 Hz | 98.90 | 0.00 | | 84.75 | 17.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.67 |
| | 2000 Hz | 94.60 | 0.00 | | 84.75 | 47.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.24 |
| | 4000 Hz | 88.20 | 0.00 | | 84.75 | 159.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -153.23 |
| | 8000 Hz | 78.80 | 0.00 | | 84.75 | 569.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -572.47 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 81.44 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.65 |
| | 63 Hz | 122.10 | 0.00 | | 81.44 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.25 |
| | 125 Hz | 115.00 | 0.00 | | 81.44 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 |
| | 250 Hz | 108.00 | 0.00 | | 81.44 | 3.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.09 |
| | 500 Hz | 103.90 | 0.00 | | 81.44 | 6.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.04 |
| | 1000 Hz | 101.60 | 0.00 | | 81.44 | 12.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.99 |
| | 2000 Hz | 96.70 | 0.00 | | 81.44 | 32.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.90 |
| | 4000 Hz | 88.60 | 0.00 | | 81.44 | 109.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -98.91 |
| | 8000 Hz | 80.90 | 0.00 | | 81.44 | 388.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -386.54 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 81.97 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.10 |
| | 125 Hz | 109.80 | 0.00 | | 81.97 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.38 |
| | 250 Hz | 107.40 | 0.00 | | 81.97 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.75 |
| | 500 Hz | 101.60 | 0.00 | | 81.97 | 6.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.82 |
| | 1000 Hz | 94.50 | 0.00 | | 81.97 | 12.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 88.00 | 0.00 | | 81.97 | 34.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.12 |
| | 4000 Hz | 85.30 | 0.00 | | 81.97 | 115.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.50 |
| | 8000 Hz | 79.90 | 0.00 | | 81.97 | 413.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -412.20 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.51 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.64 |
| | 125 Hz | 110.80 | 0.00 | | 82.51 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.75 |
| | 250 Hz | 105.10 | 0.00 | | 82.51 | 3.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.67 |
| | 500 Hz | 102.60 | 0.00 | | 82.51 | 7.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.84 |
| | 1000 Hz | 99.60 | 0.00 | | 82.51 | 13.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.34 |
| | 2000 Hz | 93.10 | 0.00 | | 82.51 | 36.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.75 |
| | 4000 Hz | 80.70 | 0.00 | | 82.51 | 123.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.07 |
| | 8000 Hz | 77.00 | 0.00 | | 82.51 | 439.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -442.15 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.05 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.06 |
| | 125 Hz | 110.80 | 0.00 | | 83.05 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.10 |
| | 250 Hz | 105.10 | 0.00 | | 83.05 | 4.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.87 |
| | 500 Hz | 102.60 | 0.00 | | 83.05 | 7.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.83 |
| | 1000 Hz | 99.60 | 0.00 | | 83.05 | 14.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.90 |
| | 2000 Hz | 93.10 | 0.00 | | 83.05 | 38.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.65 |
| | 4000 Hz | 80.70 | 0.00 | | 83.05 | 131.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.59 |
| | 8000 Hz | 77.00 | 0.00 | | 83.05 | 468.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.12 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.55 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.53 |
| | 125 Hz | 110.80 | 0.00 | | 83.55 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.51 |
| | 250 Hz | 105.10 | 0.00 | | 83.55 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.13 |
| | 500 Hz | 102.60 | 0.00 | | 83.55 | 8.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.87 |
| | 1000 Hz | 99.60 | 0.00 | | 83.55 | 15.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.54 |
| | 2000 Hz | 93.10 | 0.00 | | 83.55 | 40.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.44 |
| | 4000 Hz | 80.70 | 0.00 | | 83.55 | 139.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.86 |
| | 8000 Hz | 77.00 | 0.00 | | 83.55 | 495.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -499.35 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 80.96 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.06 |
| | 125 Hz | 104.80 | 0.00 | | 80.96 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.55 |
| | 250 Hz | 99.40 | 0.00 | | 80.96 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.16 |
| | 500 Hz | 95.00 | 0.00 | | 80.96 | 6.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.98 |
| | 1000 Hz | 93.20 | 0.00 | | 80.96 | 11.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.74 |
| | 2000 Hz | 89.10 | 0.00 | | 80.96 | 30.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.27 |
| | 4000 Hz | 83.90 | 0.00 | | 80.96 | 103.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.19 |
| | 8000 Hz | 82.20 | 0.00 | | 80.96 | 367.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -363.58 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.84 | 0.67 | -3.00 | 0.00 | 0.00 | 3.18 | 0.00 | | 28.61 |
| | 125 Hz | 111.00 | 0.00 | | 85.84 | 2.27 | -3.00 | 0.00 | 0.00 | 0.71 | 0.00 | | 25.18 |
| | 250 Hz | 106.60 | 0.00 | | 85.84 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.00 |
| | 500 Hz | 103.70 | 0.00 | | 85.84 | 10.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.22 |
| | 1000 Hz | 99.80 | 0.00 | | 85.84 | 20.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.23 |
| | 2000 Hz | 95.60 | 0.00 | | 85.84 | 53.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.60 |
| | 4000 Hz | 86.90 | 0.00 | | 85.84 | 180.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -176.88 |
| | 8000 Hz | 65.40 | 0.00 | | 85.84 | 645.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -662.80 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.86 | 0.60 | -3.00 | 0.00 | 0.00 | 3.12 | 0.00 | | 29.72 |
| | 125 Hz | 111.00 | 0.00 | | 84.86 | 2.03 | -3.00 | 0.00 | 0.00 | 0.47 | 0.00 | | 26.64 |
| | 250 Hz | 106.60 | 0.00 | | 84.86 | 5.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.59 |
| | 500 Hz | 103.70 | 0.00 | | 84.86 | 9.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.33 |
| | 1000 Hz | 99.80 | 0.00 | | 84.86 | 18.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.10 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 95.60 | 0.00 | | 84.86 | 47.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.93 |
| | 4000 Hz | 86.90 | 0.00 | | 84.86 | 161.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -156.61 |
| | 8000 Hz | 65.40 | 0.00 | | 84.86 | 576.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -593.01 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.25 | 0.50 | -3.00 | 0.00 | 0.00 | 3.00 | 0.00 | | 31.55 |
| | 125 Hz | 111.00 | 0.00 | | 83.25 | 1.68 | -3.00 | 0.00 | 0.00 | 0.05 | 0.00 | | 29.02 |
| | 250 Hz | 106.60 | 0.00 | | 83.25 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.08 |
| | 500 Hz | 103.70 | 0.00 | | 83.25 | 7.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.56 |
| | 1000 Hz | 99.80 | 0.00 | | 83.25 | 14.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.57 |
| | 2000 Hz | 95.60 | 0.00 | | 83.25 | 39.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.24 |
| | 4000 Hz | 86.90 | 0.00 | | 83.25 | 134.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.60 |
| | 8000 Hz | 65.40 | 0.00 | | 83.25 | 478.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -493.67 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.38 | 0.51 | -3.00 | 0.00 | 0.00 | 3.02 | 0.00 | | 30.99 |
| | 125 Hz | 110.20 | 0.00 | | 83.38 | 1.71 | -3.00 | 0.00 | 0.00 | 0.12 | 0.00 | | 27.99 |
| | 250 Hz | 105.30 | 0.00 | | 83.38 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.59 |
| | 500 Hz | 102.70 | 0.00 | | 83.38 | 8.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.31 |
| | 1000 Hz | 99.80 | 0.00 | | 83.38 | 15.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.22 |
| | 2000 Hz | 95.50 | 0.00 | | 83.38 | 40.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.06 |
| | 4000 Hz | 84.90 | 0.00 | | 83.38 | 136.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.75 |
| | 8000 Hz | 61.80 | 0.00 | | 83.38 | 486.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -504.61 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.69 | 0.52 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | | 30.62 |
| | 125 Hz | 110.20 | 0.00 | | 83.69 | 1.77 | -3.00 | 0.00 | 0.00 | 0.25 | 0.00 | | 27.48 |
| | 250 Hz | 105.30 | 0.00 | | 83.69 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.11 |
| | 500 Hz | 102.70 | 0.00 | | 83.69 | 8.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.69 |
| | 1000 Hz | 99.80 | 0.00 | | 83.69 | 15.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.33 |
| | 2000 Hz | 95.50 | 0.00 | | 83.69 | 41.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.88 |
| | 4000 Hz | 84.90 | 0.00 | | 83.69 | 141.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -137.15 |
| | 8000 Hz | 61.80 | 0.00 | | 83.69 | 504.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -523.05 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.29 | 0.45 | -3.00 | 0.00 | 0.00 | 2.93 | 0.00 | | 32.64 |
| | 125 Hz | 111.00 | 0.00 | | 82.29 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.21 |
| | 250 Hz | 106.60 | 0.00 | | 82.29 | 3.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.49 |
| | 500 Hz | 103.70 | 0.00 | | 82.29 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.35 |
| | 1000 Hz | 99.80 | 0.00 | | 82.29 | 13.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.10 |
| | 2000 Hz | 95.60 | 0.00 | | 82.29 | 35.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.12 |
| | 4000 Hz | 86.90 | 0.00 | | 82.29 | 120.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.56 |
| | 8000 Hz | 65.40 | 0.00 | | 82.29 | 428.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -442.52 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.71 | 0.47 | -3.00 | 0.00 | 0.00 | 2.98 | 0.00 | | 32.15 |
| | 125 Hz | 111.00 | 0.00 | | 82.71 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.71 |
| | 250 Hz | 106.60 | 0.00 | | 82.71 | 4.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.88 |
| | 500 Hz | 103.70 | 0.00 | | 82.71 | 7.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.57 |
| | 1000 Hz | 99.80 | 0.00 | | 82.71 | 14.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.01 |
| | 2000 Hz | 95.60 | 0.00 | | 82.71 | 37.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.31 |
| | 4000 Hz | 86.90 | 0.00 | | 82.71 | 126.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -118.98 |
| | 8000 Hz | 65.40 | 0.00 | | 82.71 | 450.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -464.31 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.74 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.64 |
| | 125 Hz | 104.80 | 0.00 | | 81.74 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.64 |
| | 250 Hz | 101.20 | 0.00 | | 81.74 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.86 |
| | 500 Hz | 96.80 | 0.00 | | 81.74 | 6.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.42 |
| | 1000 Hz | 92.70 | 0.00 | | 81.74 | 12.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.36 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 90.50 | 0.00 | | 81.74 | 33.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.54 |
| | 4000 Hz | 84.90 | 0.00 | | 81.74 | 112.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -106.75 |
| | 8000 Hz | 70.70 | 0.00 | | 81.74 | 402.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -410.75 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 83.78 | 0.53 | -3.00 | 0.00 | 0.00 | 3.96 | 0.00 | 23.94 |
| | 125 Hz | 106.90 | 0.00 | | 83.78 | 1.79 | -3.00 | 0.00 | 0.00 | 2.97 | 0.00 | 21.37 |
| | 250 Hz | 104.10 | 0.00 | | 83.78 | 4.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.78 |
| | 500 Hz | 100.40 | 0.00 | | 83.78 | 8.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.23 |
| | 1000 Hz | 96.10 | 0.00 | | 83.78 | 15.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.60 |
| | 2000 Hz | 90.70 | 0.00 | | 83.78 | 42.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.15 |
| | 4000 Hz | 83.90 | 0.00 | | 83.78 | 142.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -139.55 |
| | 8000 Hz | 75.80 | 0.00 | | 83.78 | 508.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -513.83 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 82.89 | 0.48 | -3.00 | 0.00 | 0.00 | 3.83 | 0.00 | 27.00 |
| | 125 Hz | 108.80 | 0.00 | | 82.89 | 1.62 | -3.00 | 0.00 | 0.00 | 2.66 | 0.00 | 24.64 |
| | 250 Hz | 106.10 | 0.00 | | 82.89 | 4.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.11 |
| | 500 Hz | 102.40 | 0.00 | | 82.89 | 7.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.94 |
| | 1000 Hz | 98.10 | 0.00 | | 82.89 | 14.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.84 |
| | 2000 Hz | 92.80 | 0.00 | | 82.89 | 37.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.07 |
| | 4000 Hz | 85.90 | 0.00 | | 82.89 | 128.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -122.80 |
| | 8000 Hz | 77.90 | 0.00 | | 82.89 | 459.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -461.41 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.28 | 0.45 | -3.00 | 0.00 | 0.00 | 3.72 | 0.00 | 25.76 |
| | 125 Hz | 106.90 | 0.00 | | 82.28 | 1.51 | -3.00 | 0.00 | 0.00 | 2.36 | 0.00 | 23.76 |
| | 250 Hz | 104.10 | 0.00 | | 82.28 | 3.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.00 |
| | 500 Hz | 100.40 | 0.00 | | 82.28 | 7.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.06 |
| | 1000 Hz | 96.10 | 0.00 | | 82.28 | 13.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 |
| | 2000 Hz | 90.70 | 0.00 | | 82.28 | 35.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.98 |
| | 4000 Hz | 83.90 | 0.00 | | 82.28 | 120.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -115.43 |
| | 8000 Hz | 75.80 | 0.00 | | 82.28 | 428.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -431.68 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.77 | 0.27 | -3.00 | 0.00 | 0.00 | 2.91 | 0.00 | 33.25 |
| | 125 Hz | 108.80 | 0.00 | | 77.77 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.13 |
| | 250 Hz | 106.10 | 0.00 | | 77.77 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.05 |
| | 500 Hz | 102.40 | 0.00 | | 77.77 | 4.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.42 |
| | 1000 Hz | 98.10 | 0.00 | | 77.77 | 7.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.35 |
| | 2000 Hz | 92.80 | 0.00 | | 77.77 | 21.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.06 |
| | 4000 Hz | 85.90 | 0.00 | | 77.77 | 71.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -60.37 |
| | 8000 Hz | 77.90 | 0.00 | | 77.77 | 255.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -251.89 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.74 | 0.21 | -3.00 | 0.00 | 0.00 | 1.41 | 0.00 | 38.74 |
| | 125 Hz | 110.70 | 0.00 | | 75.74 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.25 |
| | 250 Hz | 108.00 | 0.00 | | 75.74 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.46 |
| | 500 Hz | 104.50 | 0.00 | | 75.74 | 3.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.43 |
| | 1000 Hz | 100.10 | 0.00 | | 75.74 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.04 |
| | 2000 Hz | 94.80 | 0.00 | | 75.74 | 16.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.37 |
| | 4000 Hz | 87.90 | 0.00 | | 75.74 | 56.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.42 |
| | 8000 Hz | 79.90 | 0.00 | | 75.74 | 201.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -194.64 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.70 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.43 |
| | 125 Hz | 110.90 | 0.00 | | 73.70 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.63 |
| | 250 Hz | 108.10 | 0.00 | | 73.70 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.97 |
| | 500 Hz | 104.40 | 0.00 | | 73.70 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.06 |
| | 1000 Hz | 100.10 | 0.00 | | 73.70 | 4.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.40 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 94.80 | 0.00 | | 73.70 | 13.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.90 |
| | 4000 Hz | 88.00 | 0.00 | | 73.70 | 44.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.46 |
| | 8000 Hz | 80.00 | 0.00 | | 73.70 | 159.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -150.32 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.75 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.20 |
| | 125 Hz | 110.70 | 0.00 | | 72.75 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.45 |
| | 250 Hz | 108.00 | 0.00 | | 72.75 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.97 |
| | 500 Hz | 104.50 | 0.00 | | 72.75 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.39 |
| | 1000 Hz | 100.10 | 0.00 | | 72.75 | 4.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.88 |
| | 2000 Hz | 94.80 | 0.00 | | 72.75 | 11.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.23 |
| | 4000 Hz | 87.90 | 0.00 | | 72.75 | 40.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.94 |
| | 8000 Hz | 79.90 | 0.00 | | 72.75 | 143.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -132.85 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.68 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.49 |
| | 125 Hz | 110.90 | 0.00 | | 71.68 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.78 |
| | 250 Hz | 108.10 | 0.00 | | 71.68 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.29 |
| | 500 Hz | 104.40 | 0.00 | | 71.68 | 2.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.64 |
| | 1000 Hz | 100.10 | 0.00 | | 71.68 | 3.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.46 |
| | 2000 Hz | 94.80 | 0.00 | | 71.68 | 10.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.67 |
| | 4000 Hz | 88.00 | 0.00 | | 71.68 | 35.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.13 |
| | 8000 Hz | 80.00 | 0.00 | | 71.68 | 126.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -115.10 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 68.01 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.00 |
| | 125 Hz | 110.70 | 0.00 | | 68.01 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.40 |
| | 250 Hz | 108.00 | 0.00 | | 68.01 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.25 |
| | 500 Hz | 104.50 | 0.00 | | 68.01 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.12 |
| | 1000 Hz | 100.10 | 0.00 | | 68.01 | 2.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.49 |
| | 2000 Hz | 94.80 | 0.00 | | 68.01 | 6.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.93 |
| | 4000 Hz | 87.90 | 0.00 | | 68.01 | 23.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.35 |
| | 8000 Hz | 79.90 | 0.00 | | 68.01 | 82.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -68.00 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt009 | IP H | 378015.68 | | 5776996.29 | | 65.368 | | 42.73 | |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LfT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 80.69 | 5.87 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | 8.70 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 80.40 | 5.68 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | 7.24 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.48 | 5.73 | 4.47 | 0.00 | 0.00 | 0.24 | 0.00 | 7.09 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 83.97 | 8.56 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -93.27 |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 86.14 | 0.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.59 |
| | 125 Hz | 102.50 | 0.00 | | 86.14 | 2.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.24 |
| | 250 Hz | 99.20 | 0.00 | | 86.14 | 5.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.32 |
| | 500 Hz | 96.00 | 0.00 | | 86.14 | 11.02 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -2.94 |
| | 1000 Hz | 92.30 | 0.00 | | 86.14 | 20.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -16.53 |
| | 2000 Hz | 89.10 | 0.00 | | 86.14 | 55.26 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -54.07 |
| | 4000 Hz | 85.30 | 0.00 | | 86.14 | 187.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -190.01 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 63 Hz | 107.20 | 0.00 | | 85.97 | 0.68 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 18.78 |
| | 125 Hz | 105.50 | 0.00 | | 85.97 | 2.30 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 15.47 |
| | 250 Hz | 102.20 | 0.00 | | 85.97 | 5.85 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | 8.64 |
| | 500 Hz | 99.00 | 0.00 | | 85.97 | 10.81 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.52 |
| | 1000 Hz | 95.30 | 0.00 | | 85.97 | 20.51 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | -12.80 |
| | 2000 Hz | 92.10 | 0.00 | | 85.97 | 54.19 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | -49.51 |
| | 4000 Hz | 88.30 | 0.00 | | 85.97 | 183.77 | -3.00 | 0.00 | 0.00 | 4.10 | 0.00 | -182.55 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.90 | 0.20 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | 31.66 |
| | 63 Hz | 116.40 | 0.00 | | 86.90 | 0.76 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | 27.24 |
| | 125 Hz | 110.70 | 0.00 | | 86.90 | 2.56 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | 20.01 |
| | 250 Hz | 104.40 | 0.00 | | 86.90 | 6.50 | -3.00 | 0.00 | 0.00 | 3.61 | 0.00 | 10.39 |
| | 500 Hz | 101.20 | 0.00 | | 86.90 | 12.02 | -3.00 | 0.00 | 0.00 | 2.01 | 0.00 | 3.27 |
| | 1000 Hz | 99.40 | 0.00 | | 86.90 | 22.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.30 |
| | 2000 Hz | 93.80 | 0.00 | | 86.90 | 60.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -50.35 |
| | 4000 Hz | 86.70 | 0.00 | | 86.90 | 204.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -201.54 |
| | 8000 Hz | 78.40 | 0.00 | | 86.90 | 728.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -734.32 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.93 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.34 |
| | 63 Hz | 116.40 | 0.00 | | 82.93 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.99 |
| | 125 Hz | 110.70 | 0.00 | | 82.93 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.14 |
| | 250 Hz | 104.40 | 0.00 | | 82.93 | 4.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.34 |
| | 500 Hz | 101.20 | 0.00 | | 82.93 | 7.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.65 |
| | 1000 Hz | 99.40 | 0.00 | | 82.93 | 14.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.01 |
| | 2000 Hz | 93.80 | 0.00 | | 82.93 | 38.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.32 |
| | 4000 Hz | 86.70 | 0.00 | | 82.93 | 129.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -122.73 |
| | 8000 Hz | 78.40 | 0.00 | | 82.93 | 461.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -463.41 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.01 | 0.18 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | 33.34 |
| | 63 Hz | 116.40 | 0.00 | | 86.01 | 0.68 | -3.00 | 0.00 | 0.00 | 2.75 | 0.00 | 29.96 |
| | 125 Hz | 110.70 | 0.00 | | 86.01 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.38 |
| | 250 Hz | 104.40 | 0.00 | | 86.01 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.52 |
| | 500 Hz | 101.20 | 0.00 | | 86.01 | 10.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.34 |
| | 1000 Hz | 99.40 | 0.00 | | 86.01 | 20.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.19 |
| | 2000 Hz | 93.80 | 0.00 | | 86.01 | 54.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.60 |
| | 4000 Hz | 86.70 | 0.00 | | 86.01 | 184.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -180.77 |
| | 8000 Hz | 78.40 | 0.00 | | 86.01 | 657.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -662.54 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.45 | 0.19 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | 32.36 |
| | 63 Hz | 116.40 | 0.00 | | 86.45 | 0.72 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | 28.22 |
| | 125 Hz | 110.70 | 0.00 | | 86.45 | 2.43 | -3.00 | 0.00 | 0.00 | 3.11 | 0.00 | 21.71 |
| | 250 Hz | 104.40 | 0.00 | | 86.45 | 6.18 | -3.00 | 0.00 | 0.00 | 0.39 | 0.00 | 14.38 |
| | 500 Hz | 101.20 | 0.00 | | 86.45 | 11.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.34 |
| | 1000 Hz | 99.40 | 0.00 | | 86.45 | 21.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.70 |
| | 2000 Hz | 93.80 | 0.00 | | 86.45 | 57.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -46.86 |
| | 4000 Hz | 86.70 | 0.00 | | 86.45 | 194.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -190.76 |
| | 8000 Hz | 78.40 | 0.00 | | 86.45 | 691.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -697.03 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.16 | 0.16 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | 34.89 |
| | 63 Hz | 116.40 | 0.00 | | 85.16 | 0.62 | -3.00 | 0.00 | 0.00 | 0.69 | 0.00 | 32.94 |
| | 125 Hz | 110.70 | 0.00 | | 85.16 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.45 |
| | 250 Hz | 104.40 | 0.00 | | 85.16 | 5.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.92 |
| | 500 Hz | 101.20 | 0.00 | | 85.16 | 9.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.21 |
| | 1000 Hz | 99.40 | 0.00 | | 85.16 | 18.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.42 |
| | 2000 Hz | 93.80 | 0.00 | | 85.16 | 49.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -37.67 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 86.70 | 0.00 | | 85.16 | 167.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.70 |
| | 8000 Hz | 78.40 | 0.00 | | 85.16 | 596.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -600.24 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.57 | 0.17 | -3.00 | 0.00 | 0.00 | 3.68 | 0.00 | | 33.97 |
| | 63 Hz | 116.40 | 0.00 | | 85.57 | 0.65 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | | 30.95 |
| | 125 Hz | 110.70 | 0.00 | | 85.57 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.93 |
| | 250 Hz | 104.40 | 0.00 | | 85.57 | 5.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.24 |
| | 500 Hz | 101.20 | 0.00 | | 85.57 | 10.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.31 |
| | 1000 Hz | 99.40 | 0.00 | | 85.57 | 19.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.75 |
| | 2000 Hz | 93.80 | 0.00 | | 85.57 | 51.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.50 |
| | 4000 Hz | 86.70 | 0.00 | | 85.57 | 175.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -171.31 |
| | 8000 Hz | 78.40 | 0.00 | | 85.57 | 625.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -629.88 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.51 | 0.19 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 32.24 |
| | 63 Hz | 116.40 | 0.00 | | 86.51 | 0.73 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | | 28.05 |
| | 125 Hz | 110.70 | 0.00 | | 86.51 | 2.45 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 21.39 |
| | 250 Hz | 104.40 | 0.00 | | 86.51 | 6.22 | -3.00 | 0.00 | 0.00 | 1.24 | 0.00 | | 13.43 |
| | 500 Hz | 101.20 | 0.00 | | 86.51 | 11.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.20 |
| | 1000 Hz | 99.40 | 0.00 | | 86.51 | 21.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.92 |
| | 2000 Hz | 93.80 | 0.00 | | 86.51 | 57.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.34 |
| | 4000 Hz | 86.70 | 0.00 | | 86.51 | 195.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -192.26 |
| | 8000 Hz | 78.40 | 0.00 | | 86.51 | 697.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -702.21 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.39 | 0.19 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | | 32.30 |
| | 63 Hz | 116.40 | 0.00 | | 86.39 | 0.72 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 28.04 |
| | 125 Hz | 110.70 | 0.00 | | 86.39 | 2.42 | -3.00 | 0.00 | 0.00 | 3.69 | 0.00 | | 21.21 |
| | 250 Hz | 104.40 | 0.00 | | 86.39 | 6.13 | -3.00 | 0.00 | 0.00 | 2.25 | 0.00 | | 12.63 |
| | 500 Hz | 101.20 | 0.00 | | 86.39 | 11.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.48 |
| | 1000 Hz | 99.40 | 0.00 | | 86.39 | 21.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.49 |
| | 2000 Hz | 93.80 | 0.00 | | 86.39 | 56.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.41 |
| | 4000 Hz | 86.70 | 0.00 | | 86.39 | 192.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -189.38 |
| | 8000 Hz | 78.40 | 0.00 | | 86.39 | 687.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -692.24 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.83 | 0.18 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | 29.75 |
| | 63 Hz | 113.10 | 0.00 | | 85.83 | 0.67 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | | 25.72 |
| | 125 Hz | 107.40 | 0.00 | | 85.83 | 2.27 | -3.00 | 0.00 | 0.00 | 2.79 | 0.00 | | 19.52 |
| | 250 Hz | 101.10 | 0.00 | | 85.83 | 5.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.52 |
| | 500 Hz | 97.90 | 0.00 | | 85.83 | 10.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.45 |
| | 1000 Hz | 96.10 | 0.00 | | 85.83 | 20.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.89 |
| | 2000 Hz | 90.50 | 0.00 | | 85.83 | 53.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.61 |
| | 4000 Hz | 83.40 | 0.00 | | 85.83 | 180.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -180.11 |
| | 8000 Hz | 75.10 | 0.00 | | 85.83 | 644.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -652.17 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.62 | 0.19 | -3.00 | 0.00 | 0.00 | 4.62 | 0.00 | | 31.96 |
| | 63 Hz | 116.40 | 0.00 | | 86.62 | 0.74 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 27.58 |
| | 125 Hz | 110.70 | 0.00 | | 86.62 | 2.48 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | 20.46 |
| | 250 Hz | 104.40 | 0.00 | | 86.62 | 6.30 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 11.08 |
| | 500 Hz | 101.20 | 0.00 | | 86.62 | 11.64 | -3.00 | 0.00 | 0.00 | 1.38 | 0.00 | | 4.55 |
| | 1000 Hz | 99.40 | 0.00 | | 86.62 | 22.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.32 |
| | 2000 Hz | 93.80 | 0.00 | | 86.62 | 58.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.21 |
| | 4000 Hz | 86.70 | 0.00 | | 86.62 | 197.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.91 |
| | 8000 Hz | 78.40 | 0.00 | | 86.62 | 706.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -711.37 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.12 | 0.20 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | | 31.41 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 87.12 | 0.78 | -3.00 | 0.00 | 0.00 | 4.57 | 0.00 | | 26.94 |
| | 125 Hz | 110.70 | 0.00 | | 87.12 | 2.63 | -3.00 | 0.00 | 0.00 | 4.36 | 0.00 | | 19.59 |
| | 250 Hz | 104.40 | 0.00 | | 87.12 | 6.67 | -3.00 | 0.00 | 0.00 | 3.91 | 0.00 | | 9.70 |
| | 500 Hz | 101.20 | 0.00 | | 87.12 | 12.33 | -3.00 | 0.00 | 0.00 | 2.83 | 0.00 | | 1.93 |
| | 1000 Hz | 99.40 | 0.00 | | 87.12 | 23.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.11 |
| | 2000 Hz | 93.80 | 0.00 | | 87.12 | 61.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.13 |
| | 4000 Hz | 86.70 | 0.00 | | 87.12 | 209.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -207.03 |
| | 8000 Hz | 78.40 | 0.00 | | 87.12 | 747.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -753.33 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 83.62 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.56 |
| | 125 Hz | 104.80 | 0.00 | | 83.62 | 1.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.42 |
| | 250 Hz | 101.50 | 0.00 | | 83.62 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.42 |
| | 500 Hz | 97.10 | 0.00 | | 83.62 | 8.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.24 |
| | 1000 Hz | 91.00 | 0.00 | | 83.62 | 15.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.26 |
| | 2000 Hz | 86.30 | 0.00 | | 83.62 | 41.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.65 |
| | 4000 Hz | 80.30 | 0.00 | | 83.62 | 140.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.47 |
| | 8000 Hz | 74.00 | 0.00 | | 83.62 | 499.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -506.49 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.32 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.53 |
| | 63 Hz | 113.00 | 0.00 | | 84.32 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.11 |
| | 125 Hz | 108.60 | 0.00 | | 84.32 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.37 |
| | 250 Hz | 105.70 | 0.00 | | 84.32 | 4.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.54 |
| | 500 Hz | 101.70 | 0.00 | | 84.32 | 8.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.44 |
| | 1000 Hz | 95.50 | 0.00 | | 84.32 | 16.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.79 |
| | 2000 Hz | 89.70 | 0.00 | | 84.32 | 44.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.44 |
| | 4000 Hz | 82.20 | 0.00 | | 84.32 | 151.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.12 |
| | 8000 Hz | 74.00 | 0.00 | | 84.32 | 542.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -549.42 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.70 | 0.16 | -3.00 | 0.00 | 0.00 | 4.08 | 0.00 | | 29.06 |
| | 63 Hz | 113.00 | 0.00 | | 84.70 | 0.59 | -3.00 | 0.00 | 0.00 | 3.27 | 0.00 | | 27.44 |
| | 125 Hz | 108.60 | 0.00 | | 84.70 | 1.99 | -3.00 | 0.00 | 0.00 | 1.00 | 0.00 | | 23.91 |
| | 250 Hz | 105.70 | 0.00 | | 84.70 | 5.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.94 |
| | 500 Hz | 101.70 | 0.00 | | 84.70 | 9.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.66 |
| | 1000 Hz | 95.50 | 0.00 | | 84.70 | 17.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.92 |
| | 2000 Hz | 89.70 | 0.00 | | 84.70 | 46.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.82 |
| | 4000 Hz | 82.20 | 0.00 | | 84.70 | 158.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.25 |
| | 8000 Hz | 74.00 | 0.00 | | 84.70 | 566.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -573.91 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 79.65 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.17 |
| | 63 Hz | 111.30 | 0.00 | | 79.65 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.32 |
| | 125 Hz | 107.40 | 0.00 | | 79.65 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.64 |
| | 250 Hz | 102.80 | 0.00 | | 79.65 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.33 |
| | 500 Hz | 99.70 | 0.00 | | 79.65 | 5.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.84 |
| | 1000 Hz | 96.60 | 0.00 | | 79.65 | 9.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.06 |
| | 2000 Hz | 91.70 | 0.00 | | 79.65 | 26.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.10 |
| | 4000 Hz | 85.00 | 0.00 | | 79.65 | 88.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -80.34 |
| | 8000 Hz | 87.30 | 0.00 | | 79.65 | 316.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -305.67 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.88 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.48 |
| | 125 Hz | 108.60 | 0.00 | | 83.88 | 1.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.91 |
| | 250 Hz | 103.40 | 0.00 | | 83.88 | 4.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.92 |
| | 500 Hz | 99.10 | 0.00 | | 83.88 | 8.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.72 |
| | 1000 Hz | 98.00 | 0.00 | | 83.88 | 16.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.00 |
| | 2000 Hz | 89.80 | 0.00 | | 83.88 | 42.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.67 |
| | 4000 Hz | 85.30 | 0.00 | | 83.88 | 144.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.01 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 80.10 | 0.00 | | 83.88 | 515.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -515.90 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.71 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.75 |
| | 63 Hz | 112.30 | 0.00 | | 83.71 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.06 |
| | 125 Hz | 108.10 | 0.00 | | 83.71 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.61 |
| | 250 Hz | 103.50 | 0.00 | | 83.71 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.28 |
| | 500 Hz | 100.70 | 0.00 | | 83.71 | 8.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.65 |
| | 1000 Hz | 98.30 | 0.00 | | 83.71 | 15.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.78 |
| | 2000 Hz | 93.80 | 0.00 | | 83.71 | 41.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.69 |
| | 4000 Hz | 86.20 | 0.00 | | 83.71 | 141.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.19 |
| | 8000 Hz | 78.20 | 0.00 | | 83.71 | 505.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -507.82 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 82.85 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.63 |
| | 63 Hz | 111.70 | 0.00 | | 82.85 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.38 |
| | 125 Hz | 106.40 | 0.00 | | 82.85 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.95 |
| | 250 Hz | 102.10 | 0.00 | | 82.85 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.17 |
| | 500 Hz | 99.10 | 0.00 | | 82.85 | 7.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.71 |
| | 1000 Hz | 96.90 | 0.00 | | 82.85 | 14.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.75 |
| | 2000 Hz | 90.50 | 0.00 | | 82.85 | 37.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.15 |
| | 4000 Hz | 81.00 | 0.00 | | 82.85 | 128.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.04 |
| | 8000 Hz | 76.50 | 0.00 | | 82.85 | 457.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.59 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 85.16 | 0.16 | -3.00 | 0.00 | 0.00 | 4.32 | 0.00 | | 31.85 |
| | 63 Hz | 110.40 | 0.00 | | 85.16 | 0.62 | -3.00 | 0.00 | 0.00 | 3.82 | 0.00 | | 23.80 |
| | 125 Hz | 107.20 | 0.00 | | 85.16 | 2.10 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | | 20.33 |
| | 250 Hz | 101.70 | 0.00 | | 85.16 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.21 |
| | 500 Hz | 98.20 | 0.00 | | 85.16 | 9.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.19 |
| | 1000 Hz | 95.60 | 0.00 | | 85.16 | 18.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.25 |
| | 2000 Hz | 93.70 | 0.00 | | 85.16 | 49.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.83 |
| | 4000 Hz | 90.70 | 0.00 | | 85.16 | 167.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.87 |
| | 8000 Hz | 79.50 | 0.00 | | 85.16 | 597.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -599.75 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.82 | 0.18 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | | 26.65 |
| | 63 Hz | 111.60 | 0.00 | | 85.82 | 0.67 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | | 24.67 |
| | 125 Hz | 108.60 | 0.00 | | 85.82 | 2.26 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | | 21.96 |
| | 250 Hz | 106.50 | 0.00 | | 85.82 | 5.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.93 |
| | 500 Hz | 102.90 | 0.00 | | 85.82 | 10.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.46 |
| | 1000 Hz | 99.60 | 0.00 | | 85.82 | 20.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.37 |
| | 2000 Hz | 95.90 | 0.00 | | 85.82 | 53.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.15 |
| | 4000 Hz | 90.10 | 0.00 | | 85.82 | 180.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -173.25 |
| | 8000 Hz | 76.30 | 0.00 | | 85.82 | 643.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -650.40 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.17 | 0.18 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | 26.31 |
| | 63 Hz | 111.60 | 0.00 | | 86.17 | 0.70 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 24.34 |
| | 125 Hz | 108.60 | 0.00 | | 86.17 | 2.36 | -3.00 | 0.00 | 0.00 | 1.42 | 0.00 | | 21.65 |
| | 250 Hz | 106.50 | 0.00 | | 86.17 | 5.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.35 |
| | 500 Hz | 102.90 | 0.00 | | 86.17 | 11.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.68 |
| | 1000 Hz | 99.60 | 0.00 | | 86.17 | 20.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.54 |
| | 2000 Hz | 95.90 | 0.00 | | 86.17 | 55.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.67 |
| | 4000 Hz | 90.10 | 0.00 | | 86.17 | 187.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -180.96 |
| | 8000 Hz | 76.30 | 0.00 | | 86.17 | 670.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -677.02 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.52 | 0.15 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | | 28.04 |
| | 63 Hz | 111.60 | 0.00 | | 84.52 | 0.58 | -3.00 | 0.00 | 0.00 | 3.28 | 0.00 | | 26.22 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 108.60 | 0.00 | | 84.52 | 1.95 | -3.00 | 0.00 | 0.00 | 1.04 | 0.00 | | 24.09 |
| | 250 Hz | 106.50 | 0.00 | | 84.52 | 4.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.04 |
| | 500 Hz | 102.90 | 0.00 | | 84.52 | 9.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.24 |
| | 1000 Hz | 99.60 | 0.00 | | 84.52 | 17.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.74 |
| | 2000 Hz | 95.90 | 0.00 | | 84.52 | 45.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.44 |
| | 4000 Hz | 90.10 | 0.00 | | 84.52 | 155.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -146.81 |
| | 8000 Hz | 76.30 | 0.00 | | 84.52 | 554.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -559.47 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.62 | 0.15 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | | 28.08 |
| | 63 Hz | 111.60 | 0.00 | | 84.62 | 0.58 | -3.00 | 0.00 | 0.00 | 2.94 | 0.00 | | 26.45 |
| | 125 Hz | 108.60 | 0.00 | | 84.62 | 1.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |
| | 250 Hz | 106.50 | 0.00 | | 84.62 | 5.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.88 |
| | 500 Hz | 102.90 | 0.00 | | 84.62 | 9.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.04 |
| | 1000 Hz | 99.60 | 0.00 | | 84.62 | 17.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.44 |
| | 2000 Hz | 95.90 | 0.00 | | 84.62 | 46.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.08 |
| | 4000 Hz | 90.10 | 0.00 | | 84.62 | 157.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -148.73 |
| | 8000 Hz | 76.30 | 0.00 | | 84.62 | 560.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -566.04 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.26 | 0.17 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 27.37 |
| | 63 Hz | 111.60 | 0.00 | | 85.26 | 0.63 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 25.63 |
| | 125 Hz | 108.60 | 0.00 | | 85.26 | 2.12 | -3.00 | 0.00 | 0.00 | 0.34 | 0.00 | | 23.88 |
| | 250 Hz | 106.50 | 0.00 | | 85.26 | 5.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.86 |
| | 500 Hz | 102.90 | 0.00 | | 85.26 | 9.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.69 |
| | 1000 Hz | 99.60 | 0.00 | | 85.26 | 18.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.54 |
| | 2000 Hz | 95.90 | 0.00 | | 85.26 | 49.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.25 |
| | 4000 Hz | 90.10 | 0.00 | | 85.26 | 169.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.34 |
| | 8000 Hz | 76.30 | 0.00 | | 85.26 | 603.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -609.38 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.48 | 0.13 | -3.00 | 0.00 | 0.00 | 3.91 | 0.00 | | 29.27 |
| | 63 Hz | 111.60 | 0.00 | | 83.48 | 0.51 | -3.00 | 0.00 | 0.00 | 2.85 | 0.00 | | 27.76 |
| | 125 Hz | 108.60 | 0.00 | | 83.48 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.39 |
| | 250 Hz | 106.50 | 0.00 | | 83.48 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.63 |
| | 500 Hz | 102.90 | 0.00 | | 83.48 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.30 |
| | 1000 Hz | 99.60 | 0.00 | | 83.48 | 15.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.72 |
| | 2000 Hz | 95.90 | 0.00 | | 83.48 | 40.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.26 |
| | 4000 Hz | 90.10 | 0.00 | | 83.48 | 137.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.33 |
| | 8000 Hz | 76.30 | 0.00 | | 83.48 | 492.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -496.19 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.93 | 0.14 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 28.83 |
| | 63 Hz | 111.60 | 0.00 | | 83.93 | 0.54 | -3.00 | 0.00 | 0.00 | 2.81 | 0.00 | | 27.32 |
| | 125 Hz | 108.60 | 0.00 | | 83.93 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.85 |
| | 250 Hz | 106.50 | 0.00 | | 83.93 | 4.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.95 |
| | 500 Hz | 102.90 | 0.00 | | 83.93 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.43 |
| | 1000 Hz | 99.60 | 0.00 | | 83.93 | 16.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.47 |
| | 2000 Hz | 95.90 | 0.00 | | 83.93 | 42.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.85 |
| | 4000 Hz | 90.10 | 0.00 | | 83.93 | 145.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.04 |
| | 8000 Hz | 76.30 | 0.00 | | 83.93 | 517.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -522.56 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.70 | 0.16 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | | 27.96 |
| | 63 Hz | 111.60 | 0.00 | | 84.70 | 0.59 | -3.00 | 0.00 | 0.00 | 3.03 | 0.00 | | 26.29 |
| | 125 Hz | 108.60 | 0.00 | | 84.70 | 1.99 | -3.00 | 0.00 | 0.00 | 0.13 | 0.00 | | 24.78 |
| | 250 Hz | 106.50 | 0.00 | | 84.70 | 5.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.75 |
| | 500 Hz | 102.90 | 0.00 | | 84.70 | 9.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.87 |
| | 1000 Hz | 99.60 | 0.00 | | 84.70 | 17.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.19 |
| | 2000 Hz | 95.90 | 0.00 | | 84.70 | 46.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.60 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 90.10 | 0.00 | | 84.70 | 158.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.30 |
| | 8000 Hz | 76.30 | 0.00 | | 84.70 | 566.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -571.42 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.39 | 0.80 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | -82.43 |
| | 125 Hz | 5.20 | 0.00 | | 87.39 | 2.71 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | | -85.30 |
| | 250 Hz | 1.90 | 0.00 | | 87.39 | 6.89 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | | -90.75 |
| | 500 Hz | -1.30 | 0.00 | | 87.39 | 12.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.42 |
| | 1000 Hz | -5.00 | 0.00 | | 87.39 | 24.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.54 |
| | 2000 Hz | -8.20 | 0.00 | | 87.39 | 63.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -156.40 |
| | 4000 Hz | -12.00 | 0.00 | | 87.39 | 216.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -312.76 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 81.89 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.89 |
| | 125 Hz | 106.50 | 0.00 | | 81.89 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.17 |
| | 250 Hz | 103.20 | 0.00 | | 81.89 | 3.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.66 |
| | 500 Hz | 100.00 | 0.00 | | 81.89 | 6.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.36 |
| | 1000 Hz | 96.30 | 0.00 | | 81.89 | 12.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.60 |
| | 2000 Hz | 93.10 | 0.00 | | 81.89 | 33.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.64 |
| | 4000 Hz | 89.30 | 0.00 | | 81.89 | 114.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.38 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.62 | 0.17 | -3.00 | 0.00 | 0.00 | 2.43 | 0.00 | | 29.58 |
| | 63 Hz | 110.90 | 0.00 | | 85.62 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.63 |
| | 125 Hz | 108.00 | 0.00 | | 85.62 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.17 |
| | 250 Hz | 103.80 | 0.00 | | 85.62 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.57 |
| | 500 Hz | 101.90 | 0.00 | | 85.62 | 10.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.91 |
| | 1000 Hz | 98.90 | 0.00 | | 85.62 | 19.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.40 |
| | 2000 Hz | 94.60 | 0.00 | | 85.62 | 52.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.03 |
| | 4000 Hz | 88.20 | 0.00 | | 85.62 | 176.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -170.79 |
| | 8000 Hz | 78.80 | 0.00 | | 85.62 | 629.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -632.86 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.17 | 0.16 | -3.00 | 0.00 | 0.00 | 3.10 | 0.00 | | 29.37 |
| | 63 Hz | 110.90 | 0.00 | | 85.17 | 0.62 | -3.00 | 0.00 | 0.00 | 0.34 | 0.00 | | 27.77 |
| | 125 Hz | 108.00 | 0.00 | | 85.17 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.73 |
| | 250 Hz | 103.80 | 0.00 | | 85.17 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.30 |
| | 500 Hz | 101.90 | 0.00 | | 85.17 | 9.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.88 |
| | 1000 Hz | 98.90 | 0.00 | | 85.17 | 18.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.97 |
| | 2000 Hz | 94.60 | 0.00 | | 85.17 | 49.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.97 |
| | 4000 Hz | 88.20 | 0.00 | | 85.17 | 167.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.50 |
| | 8000 Hz | 78.80 | 0.00 | | 85.17 | 597.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -600.87 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.57 | 0.17 | -3.00 | 0.00 | 0.00 | 3.37 | 0.00 | | 28.68 |
| | 63 Hz | 110.90 | 0.00 | | 85.57 | 0.65 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 26.39 |
| | 125 Hz | 108.00 | 0.00 | | 85.57 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.22 |
| | 250 Hz | 103.80 | 0.00 | | 85.57 | 5.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.64 |
| | 500 Hz | 101.90 | 0.00 | | 85.57 | 10.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.00 |
| | 1000 Hz | 98.90 | 0.00 | | 85.57 | 19.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.26 |
| | 2000 Hz | 94.60 | 0.00 | | 85.57 | 51.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.73 |
| | 4000 Hz | 88.20 | 0.00 | | 85.57 | 175.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -169.89 |
| | 8000 Hz | 78.80 | 0.00 | | 85.57 | 625.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -629.77 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.73 | 0.16 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | | 30.40 |
| | 63 Hz | 110.90 | 0.00 | | 84.73 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.58 |
| | 125 Hz | 108.00 | 0.00 | | 84.73 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.28 |
| | 250 Hz | 103.80 | 0.00 | | 84.73 | 5.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.01 |
| | 500 Hz | 101.90 | 0.00 | | 84.73 | 9.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.81 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 98.90 | 0.00 | | 84.73 | 17.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.59 |
| | 2000 Hz | 94.60 | 0.00 | | 84.73 | 46.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.06 |
| | 4000 Hz | 88.20 | 0.00 | | 84.73 | 159.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.70 |
| | 8000 Hz | 78.80 | 0.00 | | 84.73 | 567.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -570.64 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 81.41 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.68 |
| | 63 Hz | 122.10 | 0.00 | | 81.41 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.28 |
| | 125 Hz | 115.00 | 0.00 | | 81.41 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.22 |
| | 250 Hz | 108.00 | 0.00 | | 81.41 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.13 |
| | 500 Hz | 103.90 | 0.00 | | 81.41 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.09 |
| | 1000 Hz | 101.60 | 0.00 | | 81.41 | 12.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.05 |
| | 2000 Hz | 96.70 | 0.00 | | 81.41 | 32.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.77 |
| | 4000 Hz | 88.60 | 0.00 | | 81.41 | 108.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.53 |
| | 8000 Hz | 80.90 | 0.00 | | 81.41 | 387.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -385.26 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 81.93 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.14 |
| | 125 Hz | 109.80 | 0.00 | | 81.93 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.43 |
| | 250 Hz | 107.40 | 0.00 | | 81.93 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.80 |
| | 500 Hz | 101.60 | 0.00 | | 81.93 | 6.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.89 |
| | 1000 Hz | 94.50 | 0.00 | | 81.93 | 12.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.70 |
| | 2000 Hz | 88.00 | 0.00 | | 81.93 | 34.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.93 |
| | 4000 Hz | 85.30 | 0.00 | | 81.93 | 115.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.95 |
| | 8000 Hz | 79.90 | 0.00 | | 81.93 | 411.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -410.35 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.47 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.67 |
| | 125 Hz | 110.80 | 0.00 | | 82.47 | 1.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.79 |
| | 250 Hz | 105.10 | 0.00 | | 82.47 | 3.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.72 |
| | 500 Hz | 102.60 | 0.00 | | 82.47 | 7.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.91 |
| | 1000 Hz | 99.60 | 0.00 | | 82.47 | 13.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.43 |
| | 2000 Hz | 93.10 | 0.00 | | 82.47 | 36.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.58 |
| | 4000 Hz | 80.70 | 0.00 | | 82.47 | 122.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.56 |
| | 8000 Hz | 77.00 | 0.00 | | 82.47 | 437.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -440.41 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.02 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.09 |
| | 125 Hz | 110.80 | 0.00 | | 83.02 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.14 |
| | 250 Hz | 105.10 | 0.00 | | 83.02 | 4.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.92 |
| | 500 Hz | 102.60 | 0.00 | | 83.02 | 7.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.89 |
| | 1000 Hz | 99.60 | 0.00 | | 83.02 | 14.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.98 |
| | 2000 Hz | 93.10 | 0.00 | | 83.02 | 38.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.49 |
| | 4000 Hz | 80.70 | 0.00 | | 83.02 | 130.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.11 |
| | 8000 Hz | 77.00 | 0.00 | | 83.02 | 466.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -469.50 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.52 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.56 |
| | 125 Hz | 110.80 | 0.00 | | 83.52 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.54 |
| | 250 Hz | 105.10 | 0.00 | | 83.52 | 4.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.16 |
| | 500 Hz | 102.60 | 0.00 | | 83.52 | 8.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.92 |
| | 1000 Hz | 99.60 | 0.00 | | 83.52 | 15.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.61 |
| | 2000 Hz | 93.10 | 0.00 | | 83.52 | 40.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.30 |
| | 4000 Hz | 80.70 | 0.00 | | 83.52 | 138.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.44 |
| | 8000 Hz | 77.00 | 0.00 | | 83.52 | 494.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -497.91 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 80.91 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.11 |
| | 125 Hz | 104.80 | 0.00 | | 80.91 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.60 |
| | 250 Hz | 99.40 | 0.00 | | 80.91 | 3.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.22 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 95.00 | 0.00 | | 80.91 | 6.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.06 |
| | 1000 Hz | 93.20 | 0.00 | | 80.91 | 11.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.84 |
| | 2000 Hz | 89.10 | 0.00 | | 80.91 | 30.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.06 |
| | 4000 Hz | 83.90 | 0.00 | | 80.91 | 102.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.60 |
| | 8000 Hz | 82.20 | 0.00 | | 80.91 | 365.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -361.62 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.74 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.90 |
| | 125 Hz | 111.00 | 0.00 | | 85.74 | 2.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.02 |
| | 250 Hz | 106.60 | 0.00 | | 85.74 | 5.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.17 |
| | 500 Hz | 103.70 | 0.00 | | 85.74 | 10.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.45 |
| | 1000 Hz | 99.80 | 0.00 | | 85.74 | 19.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.89 |
| | 2000 Hz | 95.60 | 0.00 | | 85.74 | 52.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.86 |
| | 4000 Hz | 86.90 | 0.00 | | 85.74 | 178.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -174.64 |
| | 8000 Hz | 65.40 | 0.00 | | 85.74 | 637.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -655.06 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.75 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.96 |
| | 125 Hz | 111.00 | 0.00 | | 84.75 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.25 |
| | 250 Hz | 106.60 | 0.00 | | 84.75 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.77 |
| | 500 Hz | 103.70 | 0.00 | | 84.75 | 9.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.57 |
| | 1000 Hz | 99.80 | 0.00 | | 84.75 | 17.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.25 |
| | 2000 Hz | 95.60 | 0.00 | | 84.75 | 47.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.20 |
| | 4000 Hz | 86.90 | 0.00 | | 84.75 | 159.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -154.41 |
| | 8000 Hz | 65.40 | 0.00 | | 84.75 | 569.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -585.44 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.11 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.70 |
| | 125 Hz | 111.00 | 0.00 | | 83.11 | 1.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.24 |
| | 250 Hz | 106.60 | 0.00 | | 83.11 | 4.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.29 |
| | 500 Hz | 103.70 | 0.00 | | 83.11 | 7.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.83 |
| | 1000 Hz | 99.80 | 0.00 | | 83.11 | 14.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.95 |
| | 2000 Hz | 95.60 | 0.00 | | 83.11 | 38.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.46 |
| | 4000 Hz | 86.90 | 0.00 | | 83.11 | 132.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.30 |
| | 8000 Hz | 65.40 | 0.00 | | 83.11 | 471.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -485.83 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.23 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.17 |
| | 125 Hz | 110.20 | 0.00 | | 83.23 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.29 |
| | 250 Hz | 105.30 | 0.00 | | 83.23 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.80 |
| | 500 Hz | 102.70 | 0.00 | | 83.23 | 7.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.58 |
| | 1000 Hz | 99.80 | 0.00 | | 83.23 | 14.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.61 |
| | 2000 Hz | 95.50 | 0.00 | | 83.23 | 39.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.26 |
| | 4000 Hz | 84.90 | 0.00 | | 83.23 | 134.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -129.37 |
| | 8000 Hz | 61.80 | 0.00 | | 83.23 | 478.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -496.49 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.55 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.83 |
| | 125 Hz | 110.20 | 0.00 | | 83.55 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.90 |
| | 250 Hz | 105.30 | 0.00 | | 83.55 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.32 |
| | 500 Hz | 102.70 | 0.00 | | 83.55 | 8.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.97 |
| | 1000 Hz | 99.80 | 0.00 | | 83.55 | 15.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.73 |
| | 2000 Hz | 95.50 | 0.00 | | 83.55 | 41.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.06 |
| | 4000 Hz | 84.90 | 0.00 | | 83.55 | 139.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.72 |
| | 8000 Hz | 61.80 | 0.00 | | 83.55 | 496.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -514.76 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.12 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.74 |
| | 125 Hz | 111.00 | 0.00 | | 82.12 | 1.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.40 |
| | 250 Hz | 106.60 | 0.00 | | 82.12 | 3.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.73 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 103.70 | 0.00 | | 82.12 | 6.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.65 |
| | 1000 Hz | 99.80 | 0.00 | | 82.12 | 13.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.52 |
| | 2000 Hz | 95.60 | 0.00 | | 82.12 | 34.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.29 |
| | 4000 Hz | 86.90 | 0.00 | | 82.12 | 117.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.12 |
| | 8000 Hz | 65.40 | 0.00 | | 82.12 | 420.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -434.22 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.55 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.29 |
| | 125 Hz | 111.00 | 0.00 | | 82.55 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.90 |
| | 250 Hz | 106.60 | 0.00 | | 82.55 | 3.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.11 |
| | 500 Hz | 103.70 | 0.00 | | 82.55 | 7.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.87 |
| | 1000 Hz | 99.80 | 0.00 | | 82.55 | 13.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.43 |
| | 2000 Hz | 95.60 | 0.00 | | 82.55 | 36.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.47 |
| | 4000 Hz | 86.90 | 0.00 | | 82.55 | 123.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.50 |
| | 8000 Hz | 65.40 | 0.00 | | 82.55 | 441.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -455.88 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.73 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.65 |
| | 125 Hz | 104.80 | 0.00 | | 81.73 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.66 |
| | 250 Hz | 101.20 | 0.00 | | 81.73 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.88 |
| | 500 Hz | 96.80 | 0.00 | | 81.73 | 6.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.44 |
| | 1000 Hz | 92.70 | 0.00 | | 81.73 | 12.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.39 |
| | 2000 Hz | 90.50 | 0.00 | | 81.73 | 33.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.47 |
| | 4000 Hz | 84.90 | 0.00 | | 81.73 | 112.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.57 |
| | 8000 Hz | 70.70 | 0.00 | | 81.73 | 402.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -410.12 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 83.86 | 0.54 | -3.00 | 0.00 | 0.00 | 1.65 | 0.00 | | 26.15 |
| | 125 Hz | 106.90 | 0.00 | | 83.86 | 1.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.23 |
| | 250 Hz | 104.10 | 0.00 | | 83.86 | 4.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.65 |
| | 500 Hz | 100.40 | 0.00 | | 83.86 | 8.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.06 |
| | 1000 Hz | 96.10 | 0.00 | | 83.86 | 16.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.85 |
| | 2000 Hz | 90.70 | 0.00 | | 83.86 | 42.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.66 |
| | 4000 Hz | 83.90 | 0.00 | | 83.86 | 144.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.08 |
| | 8000 Hz | 75.80 | 0.00 | | 83.86 | 514.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -519.08 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 82.99 | 0.48 | -3.00 | 0.00 | 0.00 | 1.22 | 0.00 | | 29.50 |
| | 125 Hz | 108.80 | 0.00 | | 82.99 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.17 |
| | 250 Hz | 106.10 | 0.00 | | 82.99 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.96 |
| | 500 Hz | 102.40 | 0.00 | | 82.99 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.74 |
| | 1000 Hz | 98.10 | 0.00 | | 82.99 | 14.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.56 |
| | 2000 Hz | 92.80 | 0.00 | | 82.99 | 38.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.64 |
| | 4000 Hz | 85.90 | 0.00 | | 82.99 | 130.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.46 |
| | 8000 Hz | 77.90 | 0.00 | | 82.99 | 464.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -467.08 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.37 | 0.45 | -3.00 | 0.00 | 0.00 | 0.94 | 0.00 | | 28.44 |
| | 125 Hz | 106.90 | 0.00 | | 82.37 | 1.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.00 |
| | 250 Hz | 104.10 | 0.00 | | 82.37 | 3.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.86 |
| | 500 Hz | 100.40 | 0.00 | | 82.37 | 7.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.89 |
| | 1000 Hz | 96.10 | 0.00 | | 82.37 | 13.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.18 |
| | 2000 Hz | 90.70 | 0.00 | | 82.37 | 35.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.47 |
| | 4000 Hz | 83.90 | 0.00 | | 82.37 | 121.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.87 |
| | 8000 Hz | 75.80 | 0.00 | | 82.37 | 432.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.56 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.90 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.03 |
| | 125 Hz | 108.80 | 0.00 | | 77.90 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.99 |
| | 250 Hz | 106.10 | 0.00 | | 77.90 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.89 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.40 | 0.00 | | 77.90 | 4.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.24 |
| | 1000 Hz | 98.10 | 0.00 | | 77.90 | 8.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.11 |
| | 2000 Hz | 92.80 | 0.00 | | 77.90 | 21.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.48 |
| | 4000 Hz | 85.90 | 0.00 | | 77.90 | 72.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.51 |
| | 8000 Hz | 77.90 | 0.00 | | 77.90 | 258.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -255.63 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.91 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.97 |
| | 125 Hz | 110.70 | 0.00 | | 75.91 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.06 |
| | 250 Hz | 108.00 | 0.00 | | 75.91 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.25 |
| | 500 Hz | 104.50 | 0.00 | | 75.91 | 3.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.19 |
| | 1000 Hz | 100.10 | 0.00 | | 75.91 | 6.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.75 |
| | 2000 Hz | 94.80 | 0.00 | | 75.91 | 17.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.87 |
| | 4000 Hz | 87.90 | 0.00 | | 75.91 | 57.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.72 |
| | 8000 Hz | 79.90 | 0.00 | | 75.91 | 205.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.84 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.85 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.28 |
| | 125 Hz | 110.90 | 0.00 | | 73.85 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.48 |
| | 250 Hz | 108.10 | 0.00 | | 73.85 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.80 |
| | 500 Hz | 104.40 | 0.00 | | 73.85 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.87 |
| | 1000 Hz | 100.10 | 0.00 | | 73.85 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.17 |
| | 2000 Hz | 94.80 | 0.00 | | 73.85 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.53 |
| | 4000 Hz | 88.00 | 0.00 | | 73.85 | 45.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.36 |
| | 8000 Hz | 80.00 | 0.00 | | 73.85 | 162.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -153.17 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.05 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.89 |
| | 125 Hz | 110.70 | 0.00 | | 73.05 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.13 |
| | 250 Hz | 108.00 | 0.00 | | 73.05 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.63 |
| | 500 Hz | 104.50 | 0.00 | | 73.05 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.01 |
| | 1000 Hz | 100.10 | 0.00 | | 73.05 | 4.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.41 |
| | 2000 Hz | 94.80 | 0.00 | | 73.05 | 12.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.51 |
| | 4000 Hz | 87.90 | 0.00 | | 73.05 | 41.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.67 |
| | 8000 Hz | 79.90 | 0.00 | | 73.05 | 148.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.22 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.71 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.46 |
| | 125 Hz | 110.90 | 0.00 | | 71.71 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.75 |
| | 250 Hz | 108.10 | 0.00 | | 71.71 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.26 |
| | 500 Hz | 104.40 | 0.00 | | 71.71 | 2.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.60 |
| | 1000 Hz | 100.10 | 0.00 | | 71.71 | 3.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.42 |
| | 2000 Hz | 94.80 | 0.00 | | 71.71 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.61 |
| | 4000 Hz | 88.00 | 0.00 | | 71.71 | 35.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.27 |
| | 8000 Hz | 80.00 | 0.00 | | 71.71 | 126.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.54 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 67.84 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.17 |
| | 125 Hz | 110.70 | 0.00 | | 67.84 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.57 |
| | 250 Hz | 108.00 | 0.00 | | 67.84 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.43 |
| | 500 Hz | 104.50 | 0.00 | | 67.84 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.31 |
| | 1000 Hz | 100.10 | 0.00 | | 67.84 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.71 |
| | 2000 Hz | 94.80 | 0.00 | | 67.84 | 6.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.23 |
| | 4000 Hz | 87.90 | 0.00 | | 67.84 | 22.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.26 |
| | 8000 Hz | 79.90 | 0.00 | | 67.84 | 81.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.24 |

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| IPKT | IPKT: Bezeichnung | IPKT: x / m | | IPKT: y / m | | IPKT: z / m | | Lr(IP) / dB(A) | |
| IPkt010 | IP I | 378596.42 | | 5777242.72 | | 61.765 | | 44.58 | |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 81.14 | 6.19 | 4.76 | 0.00 | 0.00 | 0.01 | 0.00 | | 7.91 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 79.27 | 4.98 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.06 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.15 | 5.52 | 4.49 | 0.00 | 0.00 | 0.29 | 0.00 | | 7.58 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 83.03 | 7.69 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.47 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 85.78 | 0.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.98 |
| | 125 Hz | 102.50 | 0.00 | | 85.78 | 2.25 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.69 |
| | 250 Hz | 99.20 | 0.00 | | 85.78 | 5.72 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.93 |
| | 500 Hz | 96.00 | 0.00 | | 85.78 | 10.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.12 |
| | 1000 Hz | 92.30 | 0.00 | | 85.78 | 20.06 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -15.31 |
| | 2000 Hz | 89.10 | 0.00 | | 85.78 | 53.00 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -51.46 |
| | 4000 Hz | 85.30 | 0.00 | | 85.78 | 179.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -181.99 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 85.69 | 0.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 19.08 |
| | 125 Hz | 105.50 | 0.00 | | 85.69 | 2.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.81 |
| | 250 Hz | 102.20 | 0.00 | | 85.69 | 5.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.08 |
| | 500 Hz | 99.00 | 0.00 | | 85.69 | 10.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 1.09 |
| | 1000 Hz | 95.30 | 0.00 | | 85.69 | 19.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -11.99 |
| | 2000 Hz | 92.10 | 0.00 | | 85.69 | 52.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -47.78 |
| | 4000 Hz | 88.30 | 0.00 | | 85.69 | 177.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -176.92 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.68 | 0.19 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.76 |
| | 63 Hz | 116.40 | 0.00 | | 86.68 | 0.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.22 |
| | 125 Hz | 110.70 | 0.00 | | 86.68 | 2.50 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | 19.77 |
| | 250 Hz | 104.40 | 0.00 | | 86.68 | 6.34 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | 9.63 |
| | 500 Hz | 101.20 | 0.00 | | 86.68 | 11.72 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | | 1.08 |
| | 1000 Hz | 99.40 | 0.00 | | 86.68 | 22.23 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | | -11.20 |
| | 2000 Hz | 93.80 | 0.00 | | 86.68 | 58.75 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | | -53.23 |
| | 4000 Hz | 86.70 | 0.00 | | 86.68 | 199.23 | -3.00 | 0.00 | 0.00 | 4.42 | 0.00 | | -200.63 |
| | 8000 Hz | 78.40 | 0.00 | | 86.68 | 710.60 | -3.00 | 0.00 | 0.00 | 4.05 | 0.00 | | -719.92 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.45 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.83 |
| | 63 Hz | 116.40 | 0.00 | | 82.45 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.50 |
| | 125 Hz | 110.70 | 0.00 | | 82.45 | 1.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.72 |
| | 250 Hz | 104.40 | 0.00 | | 82.45 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.06 |
| | 500 Hz | 101.20 | 0.00 | | 82.45 | 7.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.55 |
| | 1000 Hz | 99.40 | 0.00 | | 82.45 | 13.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.29 |
| | 2000 Hz | 93.80 | 0.00 | | 82.45 | 36.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.75 |
| | 4000 Hz | 86.70 | 0.00 | | 82.45 | 122.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.18 |
| | 8000 Hz | 78.40 | 0.00 | | 82.45 | 436.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -437.72 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.80 | 0.18 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 32.98 |
| | 63 Hz | 116.40 | 0.00 | | 85.80 | 0.67 | -3.00 | 0.00 | 0.00 | 4.08 | 0.00 | | 28.85 |
| | 125 Hz | 110.70 | 0.00 | | 85.80 | 2.26 | -3.00 | 0.00 | 0.00 | 3.28 | 0.00 | | 22.36 |
| | 250 Hz | 104.40 | 0.00 | | 85.80 | 5.73 | -3.00 | 0.00 | 0.00 | 0.98 | 0.00 | | 14.88 |
| | 500 Hz | 101.20 | 0.00 | | 85.80 | 10.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.80 |
| | 1000 Hz | 99.40 | 0.00 | | 85.80 | 20.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.51 |
| | 2000 Hz | 93.80 | 0.00 | | 85.80 | 53.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.13 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 4000 Hz | 86.70 | 0.00 | | 85.80 | 180.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -176.26 |
| | 8000 Hz | 78.40 | 0.00 | | 85.80 | 642.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -646.97 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.26 | 0.19 | -3.00 | 0.00 | 0.00 | 4.71 | 0.00 | 32.25 |
| | 63 Hz | 116.40 | 0.00 | | 86.26 | 0.70 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | 27.80 |
| | 125 Hz | 110.70 | 0.00 | | 86.26 | 2.38 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | 20.56 |
| | 250 Hz | 104.40 | 0.00 | | 86.26 | 6.04 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | 10.87 |
| | 500 Hz | 101.20 | 0.00 | | 86.26 | 11.17 | -3.00 | 0.00 | 0.00 | 3.61 | 0.00 | 3.17 |
| | 1000 Hz | 99.40 | 0.00 | | 86.26 | 21.19 | -3.00 | 0.00 | 0.00 | 2.01 | 0.00 | -7.05 |
| | 2000 Hz | 93.80 | 0.00 | | 86.26 | 55.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -45.44 |
| | 4000 Hz | 86.70 | 0.00 | | 86.26 | 189.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -186.40 |
| | 8000 Hz | 78.40 | 0.00 | | 86.26 | 677.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -681.97 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.86 | 0.16 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | 34.48 |
| | 63 Hz | 116.40 | 0.00 | | 84.86 | 0.60 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | 31.14 |
| | 125 Hz | 110.70 | 0.00 | | 84.86 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.81 |
| | 250 Hz | 104.40 | 0.00 | | 84.86 | 5.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.39 |
| | 500 Hz | 101.20 | 0.00 | | 84.86 | 9.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.83 |
| | 1000 Hz | 99.40 | 0.00 | | 84.86 | 18.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.50 |
| | 2000 Hz | 93.80 | 0.00 | | 84.86 | 47.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.73 |
| | 4000 Hz | 86.70 | 0.00 | | 84.86 | 161.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -156.83 |
| | 8000 Hz | 78.40 | 0.00 | | 84.86 | 576.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -580.07 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.28 | 0.17 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | 33.83 |
| | 63 Hz | 116.40 | 0.00 | | 85.28 | 0.63 | -3.00 | 0.00 | 0.00 | 3.37 | 0.00 | 30.12 |
| | 125 Hz | 110.70 | 0.00 | | 85.28 | 2.13 | -3.00 | 0.00 | 0.00 | 1.33 | 0.00 | 24.96 |
| | 250 Hz | 104.40 | 0.00 | | 85.28 | 5.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.72 |
| | 500 Hz | 101.20 | 0.00 | | 85.28 | 9.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.94 |
| | 1000 Hz | 99.40 | 0.00 | | 85.28 | 18.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.81 |
| | 2000 Hz | 93.80 | 0.00 | | 85.28 | 50.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -38.50 |
| | 4000 Hz | 86.70 | 0.00 | | 85.28 | 169.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -165.22 |
| | 8000 Hz | 78.40 | 0.00 | | 85.28 | 605.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -608.94 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.25 | 0.19 | -3.00 | 0.00 | 0.00 | 4.66 | 0.00 | 32.30 |
| | 63 Hz | 116.40 | 0.00 | | 86.25 | 0.70 | -3.00 | 0.00 | 0.00 | 4.55 | 0.00 | 27.89 |
| | 125 Hz | 110.70 | 0.00 | | 86.25 | 2.38 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | 20.75 |
| | 250 Hz | 104.40 | 0.00 | | 86.25 | 6.04 | -3.00 | 0.00 | 0.00 | 3.83 | 0.00 | 11.28 |
| | 500 Hz | 101.20 | 0.00 | | 86.25 | 11.16 | -3.00 | 0.00 | 0.00 | 2.62 | 0.00 | 4.17 |
| | 1000 Hz | 99.40 | 0.00 | | 86.25 | 21.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.02 |
| | 2000 Hz | 93.80 | 0.00 | | 86.25 | 55.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -45.40 |
| | 4000 Hz | 86.70 | 0.00 | | 86.25 | 189.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -186.27 |
| | 8000 Hz | 78.40 | 0.00 | | 86.25 | 676.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -681.51 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.01 | 0.18 | -3.00 | 0.00 | 0.00 | 3.75 | 0.00 | 33.45 |
| | 63 Hz | 116.40 | 0.00 | | 86.01 | 0.69 | -3.00 | 0.00 | 0.00 | 2.41 | 0.00 | 30.29 |
| | 125 Hz | 110.70 | 0.00 | | 86.01 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.37 |
| | 250 Hz | 104.40 | 0.00 | | 86.01 | 5.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.51 |
| | 500 Hz | 101.20 | 0.00 | | 86.01 | 10.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.33 |
| | 1000 Hz | 99.40 | 0.00 | | 86.01 | 20.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.22 |
| | 2000 Hz | 93.80 | 0.00 | | 86.01 | 54.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.66 |
| | 4000 Hz | 86.70 | 0.00 | | 86.01 | 184.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -180.95 |
| | 8000 Hz | 78.40 | 0.00 | | 86.01 | 658.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -663.15 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.47 | 0.17 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | 30.37 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 63 Hz | 113.10 | 0.00 | | 85.47 | 0.64 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | 26.70 |
| | 125 Hz | 107.40 | 0.00 | | 85.47 | 2.17 | -3.00 | 0.00 | 0.00 | 1.07 | 0.00 | 21.69 |
| | 250 Hz | 101.10 | 0.00 | | 85.47 | 5.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.11 |
| | 500 Hz | 97.90 | 0.00 | | 85.47 | 10.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 |
| | 1000 Hz | 96.10 | 0.00 | | 85.47 | 19.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.72 |
| | 2000 Hz | 90.50 | 0.00 | | 85.47 | 51.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.09 |
| | 4000 Hz | 83.40 | 0.00 | | 85.47 | 173.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -172.43 |
| | 8000 Hz | 75.10 | 0.00 | | 85.47 | 618.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -625.71 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.29 | 0.19 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | 32.47 |
| | 63 Hz | 116.40 | 0.00 | | 86.29 | 0.71 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | 28.29 |
| | 125 Hz | 110.70 | 0.00 | | 86.29 | 2.39 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | 21.68 |
| | 250 Hz | 104.40 | 0.00 | | 86.29 | 6.07 | -3.00 | 0.00 | 0.00 | 1.19 | 0.00 | 13.86 |
| | 500 Hz | 101.20 | 0.00 | | 86.29 | 11.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.70 |
| | 1000 Hz | 99.40 | 0.00 | | 86.29 | 21.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.16 |
| | 2000 Hz | 93.80 | 0.00 | | 86.29 | 56.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -45.70 |
| | 4000 Hz | 86.70 | 0.00 | | 86.29 | 190.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -187.21 |
| | 8000 Hz | 78.40 | 0.00 | | 86.29 | 679.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -684.76 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.84 | 0.20 | -3.00 | 0.00 | 0.00 | 4.71 | 0.00 | 31.66 |
| | 63 Hz | 116.40 | 0.00 | | 86.84 | 0.75 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | 27.16 |
| | 125 Hz | 110.70 | 0.00 | | 86.84 | 2.55 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | 19.80 |
| | 250 Hz | 104.40 | 0.00 | | 86.84 | 6.46 | -3.00 | 0.00 | 0.00 | 4.24 | 0.00 | 9.86 |
| | 500 Hz | 101.20 | 0.00 | | 86.84 | 11.94 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | 1.78 |
| | 1000 Hz | 99.40 | 0.00 | | 86.84 | 22.65 | -3.00 | 0.00 | 0.00 | 2.11 | 0.00 | -9.20 |
| | 2000 Hz | 93.80 | 0.00 | | 86.84 | 59.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.90 |
| | 4000 Hz | 86.70 | 0.00 | | 86.84 | 202.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -200.13 |
| | 8000 Hz | 78.40 | 0.00 | | 86.84 | 724.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -729.44 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 83.42 | 0.51 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | 24.43 |
| | 125 Hz | 104.80 | 0.00 | | 83.42 | 1.72 | -3.00 | 0.00 | 0.00 | 1.24 | 0.00 | 21.43 |
| | 250 Hz | 101.50 | 0.00 | | 83.42 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.72 |
| | 500 Hz | 97.10 | 0.00 | | 83.42 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.63 |
| | 1000 Hz | 91.00 | 0.00 | | 83.42 | 15.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.70 |
| | 2000 Hz | 86.30 | 0.00 | | 83.42 | 40.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.49 |
| | 4000 Hz | 80.30 | 0.00 | | 83.42 | 136.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -137.03 |
| | 8000 Hz | 74.00 | 0.00 | | 83.42 | 488.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -494.73 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.12 | 0.15 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | 29.61 |
| | 63 Hz | 113.00 | 0.00 | | 84.12 | 0.55 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | 27.97 |
| | 125 Hz | 108.60 | 0.00 | | 84.12 | 1.86 | -3.00 | 0.00 | 0.00 | 1.30 | 0.00 | 24.32 |
| | 250 Hz | 105.70 | 0.00 | | 84.12 | 4.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.85 |
| | 500 Hz | 101.70 | 0.00 | | 84.12 | 8.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.85 |
| | 1000 Hz | 95.50 | 0.00 | | 84.12 | 16.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.19 |
| | 2000 Hz | 89.70 | 0.00 | | 84.12 | 43.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.20 |
| | 4000 Hz | 82.20 | 0.00 | | 84.12 | 148.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -147.39 |
| | 8000 Hz | 74.00 | 0.00 | | 84.12 | 529.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -536.67 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 84.41 | 0.15 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | 29.33 |
| | 63 Hz | 113.00 | 0.00 | | 84.41 | 0.57 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | 27.69 |
| | 125 Hz | 108.60 | 0.00 | | 84.41 | 1.93 | -3.00 | 0.00 | 0.00 | 1.21 | 0.00 | 24.05 |
| | 250 Hz | 105.70 | 0.00 | | 84.41 | 4.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.40 |
| | 500 Hz | 101.70 | 0.00 | | 84.41 | 9.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.26 |
| | 1000 Hz | 95.50 | 0.00 | | 84.41 | 17.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.05 |
| | 2000 Hz | 89.70 | 0.00 | | 84.41 | 45.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -36.99 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 82.20 | 0.00 | | 84.41 | 153.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.74 |
| | 8000 Hz | 74.00 | 0.00 | | 84.41 | 547.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -555.01 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 80.13 | 0.09 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 33.51 |
| | 63 Hz | 111.30 | 0.00 | | 80.13 | 0.35 | -3.00 | 0.00 | 0.00 | 3.47 | 0.00 | | 30.35 |
| | 125 Hz | 107.40 | 0.00 | | 80.13 | 1.18 | -3.00 | 0.00 | 0.00 | 1.63 | 0.00 | | 27.46 |
| | 250 Hz | 102.80 | 0.00 | | 80.13 | 2.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.68 |
| | 500 Hz | 99.70 | 0.00 | | 80.13 | 5.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.05 |
| | 1000 Hz | 96.60 | 0.00 | | 80.13 | 10.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.00 |
| | 2000 Hz | 91.70 | 0.00 | | 80.13 | 27.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.10 |
| | 4000 Hz | 85.00 | 0.00 | | 80.13 | 93.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.95 |
| | 8000 Hz | 87.30 | 0.00 | | 80.13 | 334.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -324.46 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.80 | 0.53 | -3.00 | 0.00 | 0.00 | 3.52 | 0.00 | | 27.05 |
| | 125 Hz | 108.60 | 0.00 | | 83.80 | 1.79 | -3.00 | 0.00 | 0.00 | 1.79 | 0.00 | | 24.22 |
| | 250 Hz | 103.40 | 0.00 | | 83.80 | 4.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.05 |
| | 500 Hz | 99.10 | 0.00 | | 83.80 | 8.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.89 |
| | 1000 Hz | 98.00 | 0.00 | | 83.80 | 15.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.24 |
| | 2000 Hz | 89.80 | 0.00 | | 83.80 | 42.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.18 |
| | 4000 Hz | 85.30 | 0.00 | | 83.80 | 143.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.54 |
| | 8000 Hz | 80.10 | 0.00 | | 83.80 | 510.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -510.88 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.59 | 0.14 | -3.00 | 0.00 | 0.00 | 4.18 | 0.00 | | 33.69 |
| | 63 Hz | 112.30 | 0.00 | | 83.59 | 0.52 | -3.00 | 0.00 | 0.00 | 3.50 | 0.00 | | 27.69 |
| | 125 Hz | 108.10 | 0.00 | | 83.59 | 1.75 | -3.00 | 0.00 | 0.00 | 1.74 | 0.00 | | 24.02 |
| | 250 Hz | 103.50 | 0.00 | | 83.59 | 4.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.46 |
| | 500 Hz | 100.70 | 0.00 | | 83.59 | 8.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.89 |
| | 1000 Hz | 98.30 | 0.00 | | 83.59 | 15.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.12 |
| | 2000 Hz | 93.80 | 0.00 | | 83.59 | 41.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.98 |
| | 4000 Hz | 86.20 | 0.00 | | 83.59 | 139.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.06 |
| | 8000 Hz | 78.20 | 0.00 | | 83.59 | 498.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -500.56 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 82.84 | 0.13 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | 32.50 |
| | 63 Hz | 111.70 | 0.00 | | 82.84 | 0.48 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | | 27.99 |
| | 125 Hz | 106.40 | 0.00 | | 82.84 | 1.61 | -3.00 | 0.00 | 0.00 | 1.39 | 0.00 | | 23.56 |
| | 250 Hz | 102.10 | 0.00 | | 82.84 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.18 |
| | 500 Hz | 99.10 | 0.00 | | 82.84 | 7.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.72 |
| | 1000 Hz | 96.90 | 0.00 | | 82.84 | 14.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.76 |
| | 2000 Hz | 90.50 | 0.00 | | 82.84 | 37.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.13 |
| | 4000 Hz | 81.00 | 0.00 | | 82.84 | 128.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.98 |
| | 8000 Hz | 76.50 | 0.00 | | 82.84 | 457.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.35 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 84.89 | 0.16 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 32.28 |
| | 63 Hz | 110.40 | 0.00 | | 84.89 | 0.60 | -3.00 | 0.00 | 0.00 | 3.47 | 0.00 | | 24.43 |
| | 125 Hz | 107.20 | 0.00 | | 84.89 | 2.03 | -3.00 | 0.00 | 0.00 | 1.65 | 0.00 | | 21.62 |
| | 250 Hz | 101.70 | 0.00 | | 84.89 | 5.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.64 |
| | 500 Hz | 98.20 | 0.00 | | 84.89 | 9.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.76 |
| | 1000 Hz | 95.60 | 0.00 | | 84.89 | 18.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.40 |
| | 2000 Hz | 93.70 | 0.00 | | 84.89 | 47.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.04 |
| | 4000 Hz | 90.70 | 0.00 | | 84.89 | 162.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -153.45 |
| | 8000 Hz | 79.50 | 0.00 | | 84.89 | 578.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -581.10 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.78 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.87 |
| | 63 Hz | 111.60 | 0.00 | | 84.78 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.23 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 108.60 | 0.00 | | 84.78 | 2.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.82 |
| | 250 Hz | 106.50 | 0.00 | | 84.78 | 5.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.63 |
| | 500 Hz | 102.90 | 0.00 | | 84.78 | 9.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.71 |
| | 1000 Hz | 99.60 | 0.00 | | 84.78 | 17.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.04 |
| | 2000 Hz | 95.90 | 0.00 | | 84.78 | 47.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.08 |
| | 4000 Hz | 90.10 | 0.00 | | 84.78 | 160.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.77 |
| | 8000 Hz | 76.30 | 0.00 | | 84.78 | 570.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -576.46 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.16 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.48 |
| | 63 Hz | 111.60 | 0.00 | | 85.16 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.82 |
| | 125 Hz | 108.60 | 0.00 | | 85.16 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.34 |
| | 250 Hz | 106.50 | 0.00 | | 85.16 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.02 |
| | 500 Hz | 102.90 | 0.00 | | 85.16 | 9.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.90 |
| | 1000 Hz | 99.60 | 0.00 | | 85.16 | 18.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.23 |
| | 2000 Hz | 95.90 | 0.00 | | 85.16 | 49.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.59 |
| | 4000 Hz | 90.10 | 0.00 | | 85.16 | 167.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -159.36 |
| | 8000 Hz | 76.30 | 0.00 | | 85.16 | 596.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -602.56 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.30 | 0.13 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | | 30.01 |
| | 63 Hz | 111.60 | 0.00 | | 83.30 | 0.50 | -3.00 | 0.00 | 0.00 | 1.27 | 0.00 | | 29.53 |
| | 125 Hz | 108.60 | 0.00 | | 83.30 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.61 |
| | 250 Hz | 106.50 | 0.00 | | 83.30 | 4.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.90 |
| | 500 Hz | 102.90 | 0.00 | | 83.30 | 7.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.66 |
| | 1000 Hz | 99.60 | 0.00 | | 83.30 | 15.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.23 |
| | 2000 Hz | 95.90 | 0.00 | | 83.30 | 39.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.23 |
| | 4000 Hz | 90.10 | 0.00 | | 83.30 | 135.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.26 |
| | 8000 Hz | 76.30 | 0.00 | | 83.30 | 481.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -485.72 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.40 | 0.13 | -3.00 | 0.00 | 0.00 | 2.20 | 0.00 | | 31.06 |
| | 63 Hz | 111.60 | 0.00 | | 83.40 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.69 |
| | 125 Hz | 108.60 | 0.00 | | 83.40 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.49 |
| | 250 Hz | 106.50 | 0.00 | | 83.40 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.75 |
| | 500 Hz | 102.90 | 0.00 | | 83.40 | 8.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.46 |
| | 1000 Hz | 99.60 | 0.00 | | 83.40 | 15.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.95 |
| | 2000 Hz | 95.90 | 0.00 | | 83.40 | 40.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.80 |
| | 4000 Hz | 90.10 | 0.00 | | 83.40 | 136.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.95 |
| | 8000 Hz | 76.30 | 0.00 | | 83.40 | 487.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -491.47 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.12 | 0.15 | -3.00 | 0.00 | 0.00 | 4.00 | 0.00 | | 28.53 |
| | 63 Hz | 111.60 | 0.00 | | 84.12 | 0.55 | -3.00 | 0.00 | 0.00 | 3.07 | 0.00 | | 26.85 |
| | 125 Hz | 108.60 | 0.00 | | 84.12 | 1.86 | -3.00 | 0.00 | 0.00 | 0.30 | 0.00 | | 25.31 |
| | 250 Hz | 106.50 | 0.00 | | 84.12 | 4.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.65 |
| | 500 Hz | 102.90 | 0.00 | | 84.12 | 8.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.04 |
| | 1000 Hz | 99.60 | 0.00 | | 84.12 | 16.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.90 |
| | 2000 Hz | 95.90 | 0.00 | | 84.12 | 43.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.02 |
| | 4000 Hz | 90.10 | 0.00 | | 84.12 | 148.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.54 |
| | 8000 Hz | 76.30 | 0.00 | | 84.12 | 529.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -534.53 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.08 | 0.11 | -3.00 | 0.00 | 0.00 | 0.31 | 0.00 | | 34.30 |
| | 63 Hz | 111.60 | 0.00 | | 82.08 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.09 |
| | 125 Hz | 108.60 | 0.00 | | 82.08 | 1.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.05 |
| | 250 Hz | 106.50 | 0.00 | | 82.08 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.68 |
| | 500 Hz | 102.90 | 0.00 | | 82.08 | 6.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.92 |
| | 1000 Hz | 99.60 | 0.00 | | 82.08 | 13.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.42 |
| | 2000 Hz | 95.90 | 0.00 | | 82.08 | 34.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.79 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 90.10 | 0.00 | | 82.08 | 117.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.34 |
| | 8000 Hz | 76.30 | 0.00 | | 82.08 | 418.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -421.38 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.60 | 0.12 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 30.29 |
| | 63 Hz | 111.60 | 0.00 | | 82.60 | 0.46 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | | 29.02 |
| | 125 Hz | 108.60 | 0.00 | | 82.60 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.44 |
| | 250 Hz | 106.50 | 0.00 | | 82.60 | 3.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.94 |
| | 500 Hz | 102.90 | 0.00 | | 82.60 | 7.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.98 |
| | 1000 Hz | 99.60 | 0.00 | | 82.60 | 13.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.10 |
| | 2000 Hz | 95.90 | 0.00 | | 82.60 | 36.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.43 |
| | 4000 Hz | 90.10 | 0.00 | | 82.60 | 124.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.06 |
| | 8000 Hz | 76.30 | 0.00 | | 82.60 | 444.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -447.58 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.49 | 0.13 | -3.00 | 0.00 | 0.00 | 3.98 | 0.00 | | 29.19 |
| | 63 Hz | 111.60 | 0.00 | | 83.49 | 0.51 | -3.00 | 0.00 | 0.00 | 3.01 | 0.00 | | 27.59 |
| | 125 Hz | 108.60 | 0.00 | | 83.49 | 1.73 | -3.00 | 0.00 | 0.00 | 0.06 | 0.00 | | 26.32 |
| | 250 Hz | 106.50 | 0.00 | | 83.49 | 4.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.61 |
| | 500 Hz | 102.90 | 0.00 | | 83.49 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.28 |
| | 1000 Hz | 99.60 | 0.00 | | 83.49 | 15.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.70 |
| | 2000 Hz | 95.90 | 0.00 | | 83.49 | 40.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.32 |
| | 4000 Hz | 90.10 | 0.00 | | 83.49 | 138.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.50 |
| | 8000 Hz | 76.30 | 0.00 | | 83.49 | 492.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -496.77 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 86.52 | 0.73 | -3.00 | 0.00 | 0.00 | 4.62 | 0.00 | | -81.97 |
| | 125 Hz | 5.20 | 0.00 | | 86.52 | 2.45 | -3.00 | 0.00 | 0.00 | 4.47 | 0.00 | | -85.25 |
| | 250 Hz | 1.90 | 0.00 | | 86.52 | 6.23 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | -92.00 |
| | 500 Hz | -1.30 | 0.00 | | 86.52 | 11.51 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | -99.74 |
| | 1000 Hz | -5.00 | 0.00 | | 86.52 | 21.85 | -3.00 | 0.00 | 0.00 | 1.39 | 0.00 | | -111.76 |
| | 2000 Hz | -8.20 | 0.00 | | 86.52 | 57.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -149.45 |
| | 4000 Hz | -12.00 | 0.00 | | 86.52 | 195.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -291.30 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 81.44 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.35 |
| | 125 Hz | 106.50 | 0.00 | | 81.44 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.69 |
| | 250 Hz | 103.20 | 0.00 | | 81.44 | 3.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.28 |
| | 500 Hz | 100.00 | 0.00 | | 81.44 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.14 |
| | 1000 Hz | 96.30 | 0.00 | | 81.44 | 12.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.68 |
| | 2000 Hz | 93.10 | 0.00 | | 81.44 | 32.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.51 |
| | 4000 Hz | 89.30 | 0.00 | | 81.44 | 109.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.22 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.51 | 0.17 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 28.11 |
| | 63 Hz | 110.90 | 0.00 | | 85.51 | 0.65 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 24.66 |
| | 125 Hz | 108.00 | 0.00 | | 85.51 | 2.18 | -3.00 | 0.00 | 0.00 | 0.35 | 0.00 | | 22.95 |
| | 250 Hz | 103.80 | 0.00 | | 85.51 | 5.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.74 |
| | 500 Hz | 101.90 | 0.00 | | 85.51 | 10.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.14 |
| | 1000 Hz | 98.90 | 0.00 | | 85.51 | 19.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.06 |
| | 2000 Hz | 94.60 | 0.00 | | 85.51 | 51.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.30 |
| | 4000 Hz | 88.20 | 0.00 | | 85.51 | 174.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -168.56 |
| | 8000 Hz | 78.80 | 0.00 | | 85.51 | 621.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -625.20 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.97 | 0.16 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 28.67 |
| | 63 Hz | 110.90 | 0.00 | | 84.97 | 0.61 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 25.25 |
| | 125 Hz | 108.00 | 0.00 | | 84.97 | 2.05 | -3.00 | 0.00 | 0.00 | 0.33 | 0.00 | | 23.66 |
| | 250 Hz | 103.80 | 0.00 | | 84.97 | 5.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.62 |
| | 500 Hz | 101.90 | 0.00 | | 84.97 | 9.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.31 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 98.90 | 0.00 | | 84.97 | 18.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.33 |
| | 2000 Hz | 94.60 | 0.00 | | 84.97 | 48.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.62 |
| | 4000 Hz | 88.20 | 0.00 | | 84.97 | 163.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -157.42 |
| | 8000 Hz | 78.80 | 0.00 | | 84.97 | 583.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -586.84 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.38 | 0.17 | -3.00 | 0.00 | 0.00 | 4.18 | 0.00 | 28.07 |
| | 63 Hz | 110.90 | 0.00 | | 85.38 | 0.64 | -3.00 | 0.00 | 0.00 | 3.49 | 0.00 | 24.39 |
| | 125 Hz | 108.00 | 0.00 | | 85.38 | 2.15 | -3.00 | 0.00 | 0.00 | 1.70 | 0.00 | 21.77 |
| | 250 Hz | 103.80 | 0.00 | | 85.38 | 5.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.95 |
| | 500 Hz | 101.90 | 0.00 | | 85.38 | 10.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.42 |
| | 1000 Hz | 98.90 | 0.00 | | 85.38 | 19.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.64 |
| | 2000 Hz | 94.60 | 0.00 | | 85.38 | 50.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -38.41 |
| | 4000 Hz | 88.20 | 0.00 | | 85.38 | 171.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -165.87 |
| | 8000 Hz | 78.80 | 0.00 | | 85.38 | 612.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -615.93 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.46 | 0.15 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | 29.54 |
| | 63 Hz | 110.90 | 0.00 | | 84.46 | 0.57 | -3.00 | 0.00 | 0.00 | 2.14 | 0.00 | 26.73 |
| | 125 Hz | 108.00 | 0.00 | | 84.46 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.61 |
| | 250 Hz | 103.80 | 0.00 | | 84.46 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.43 |
| | 500 Hz | 101.90 | 0.00 | | 84.46 | 9.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.37 |
| | 1000 Hz | 98.90 | 0.00 | | 84.46 | 17.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 |
| | 2000 Hz | 94.60 | 0.00 | | 84.46 | 45.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.36 |
| | 4000 Hz | 88.20 | 0.00 | | 84.46 | 154.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -147.56 |
| | 8000 Hz | 78.80 | 0.00 | | 84.46 | 550.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -552.99 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 80.94 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.16 |
| | 63 Hz | 122.10 | 0.00 | | 80.94 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.77 |
| | 125 Hz | 115.00 | 0.00 | | 80.94 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.76 |
| | 250 Hz | 108.00 | 0.00 | | 80.94 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.78 |
| | 500 Hz | 103.90 | 0.00 | | 80.94 | 6.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.90 |
| | 1000 Hz | 101.60 | 0.00 | | 80.94 | 11.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.16 |
| | 2000 Hz | 96.70 | 0.00 | | 80.94 | 30.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.61 |
| | 4000 Hz | 88.60 | 0.00 | | 80.94 | 102.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -92.33 |
| | 8000 Hz | 80.90 | 0.00 | | 80.94 | 367.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -364.35 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 81.59 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.50 |
| | 125 Hz | 109.80 | 0.00 | | 81.59 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.82 |
| | 250 Hz | 107.40 | 0.00 | | 81.59 | 3.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.28 |
| | 500 Hz | 101.60 | 0.00 | | 81.59 | 6.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.49 |
| | 1000 Hz | 94.50 | 0.00 | | 81.59 | 12.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.53 |
| | 2000 Hz | 88.00 | 0.00 | | 81.59 | 32.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.30 |
| | 4000 Hz | 85.30 | 0.00 | | 81.59 | 110.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -104.21 |
| | 8000 Hz | 79.90 | 0.00 | | 81.59 | 395.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -394.32 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.13 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.04 |
| | 125 Hz | 110.80 | 0.00 | | 82.13 | 1.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.19 |
| | 250 Hz | 105.10 | 0.00 | | 82.13 | 3.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.22 |
| | 500 Hz | 102.60 | 0.00 | | 82.13 | 6.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.53 |
| | 1000 Hz | 99.60 | 0.00 | | 82.13 | 13.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.30 |
| | 2000 Hz | 93.10 | 0.00 | | 82.13 | 34.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.82 |
| | 4000 Hz | 80.70 | 0.00 | | 82.13 | 118.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -116.43 |
| | 8000 Hz | 77.00 | 0.00 | | 82.13 | 420.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -423.01 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.67 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.46 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 110.80 | 0.00 | | 82.67 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.55 |
| | 250 Hz | 105.10 | 0.00 | | 82.67 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.43 |
| | 500 Hz | 102.60 | 0.00 | | 82.67 | 7.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.54 |
| | 1000 Hz | 99.60 | 0.00 | | 82.67 | 14.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.91 |
| | 2000 Hz | 93.10 | 0.00 | | 82.67 | 37.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.62 |
| | 4000 Hz | 80.70 | 0.00 | | 82.67 | 125.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.62 |
| | 8000 Hz | 77.00 | 0.00 | | 82.67 | 448.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -450.80 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.16 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.94 |
| | 125 Hz | 110.80 | 0.00 | | 83.16 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.97 |
| | 250 Hz | 105.10 | 0.00 | | 83.16 | 4.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.71 |
| | 500 Hz | 102.60 | 0.00 | | 83.16 | 7.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.62 |
| | 1000 Hz | 99.60 | 0.00 | | 83.16 | 14.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.60 |
| | 2000 Hz | 93.10 | 0.00 | | 83.16 | 39.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.27 |
| | 4000 Hz | 80.70 | 0.00 | | 83.16 | 132.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.41 |
| | 8000 Hz | 77.00 | 0.00 | | 83.16 | 474.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -477.36 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 80.57 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.46 |
| | 125 Hz | 104.80 | 0.00 | | 80.57 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.99 |
| | 250 Hz | 99.40 | 0.00 | | 80.57 | 3.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.69 |
| | 500 Hz | 95.00 | 0.00 | | 80.57 | 5.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.63 |
| | 1000 Hz | 93.20 | 0.00 | | 80.57 | 11.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.62 |
| | 2000 Hz | 89.10 | 0.00 | | 80.57 | 29.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.56 |
| | 4000 Hz | 83.90 | 0.00 | | 80.57 | 98.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.32 |
| | 8000 Hz | 82.20 | 0.00 | | 80.57 | 351.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -347.21 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.68 | 0.74 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | | 27.55 |
| | 125 Hz | 111.00 | 0.00 | | 86.68 | 2.50 | -3.00 | 0.00 | 0.00 | 1.21 | 0.00 | | 23.61 |
| | 250 Hz | 106.60 | 0.00 | | 86.68 | 6.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.57 |
| | 500 Hz | 103.70 | 0.00 | | 86.68 | 11.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.29 |
| | 1000 Hz | 99.80 | 0.00 | | 86.68 | 22.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.13 |
| | 2000 Hz | 95.60 | 0.00 | | 86.68 | 58.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.88 |
| | 4000 Hz | 86.90 | 0.00 | | 86.68 | 199.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -196.17 |
| | 8000 Hz | 65.40 | 0.00 | | 86.68 | 711.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -729.43 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.80 | 0.67 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | | 28.52 |
| | 125 Hz | 111.00 | 0.00 | | 85.80 | 2.26 | -3.00 | 0.00 | 0.00 | 1.12 | 0.00 | | 24.82 |
| | 250 Hz | 106.60 | 0.00 | | 85.80 | 5.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.06 |
| | 500 Hz | 103.70 | 0.00 | | 85.80 | 10.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.30 |
| | 1000 Hz | 99.80 | 0.00 | | 85.80 | 20.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.12 |
| | 2000 Hz | 95.60 | 0.00 | | 85.80 | 53.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.35 |
| | 4000 Hz | 86.90 | 0.00 | | 85.80 | 180.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -176.12 |
| | 8000 Hz | 65.40 | 0.00 | | 85.80 | 642.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -660.16 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.36 | 0.57 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | | 30.18 |
| | 125 Hz | 111.00 | 0.00 | | 84.36 | 1.91 | -3.00 | 0.00 | 0.00 | 0.74 | 0.00 | | 26.98 |
| | 250 Hz | 106.60 | 0.00 | | 84.36 | 4.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.38 |
| | 500 Hz | 103.70 | 0.00 | | 84.36 | 8.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.36 |
| | 1000 Hz | 99.80 | 0.00 | | 84.36 | 17.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.40 |
| | 2000 Hz | 95.60 | 0.00 | | 84.36 | 45.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.77 |
| | 4000 Hz | 86.90 | 0.00 | | 84.36 | 152.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.11 |
| | 8000 Hz | 65.40 | 0.00 | | 84.36 | 544.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -560.39 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.46 | 0.57 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 29.71 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.20 | 0.00 | | 84.46 | 1.93 | -3.00 | 0.00 | 0.00 | 0.64 | 0.00 | 26.17 |
| | 250 Hz | 105.30 | 0.00 | | 84.46 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.93 |
| | 500 Hz | 102.70 | 0.00 | | 84.46 | 9.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.17 |
| | 1000 Hz | 99.80 | 0.00 | | 84.46 | 17.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 |
| | 2000 Hz | 95.50 | 0.00 | | 84.46 | 45.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.46 |
| | 4000 Hz | 84.90 | 0.00 | | 84.46 | 154.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -150.87 |
| | 8000 Hz | 61.80 | 0.00 | | 84.46 | 550.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -570.04 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.71 | 0.59 | -3.00 | 0.00 | 0.00 | 3.15 | 0.00 | 29.45 |
| | 125 Hz | 110.20 | 0.00 | | 84.71 | 1.99 | -3.00 | 0.00 | 0.00 | 0.58 | 0.00 | 25.91 |
| | 250 Hz | 105.30 | 0.00 | | 84.71 | 5.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.53 |
| | 500 Hz | 102.70 | 0.00 | | 84.71 | 9.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.64 |
| | 1000 Hz | 99.80 | 0.00 | | 84.71 | 17.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 |
| | 2000 Hz | 95.50 | 0.00 | | 84.71 | 46.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -33.09 |
| | 4000 Hz | 84.90 | 0.00 | | 84.71 | 158.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -155.78 |
| | 8000 Hz | 61.80 | 0.00 | | 84.71 | 566.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -586.87 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.48 | 0.51 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | 31.25 |
| | 125 Hz | 111.00 | 0.00 | | 83.48 | 1.73 | -3.00 | 0.00 | 0.00 | 0.26 | 0.00 | 28.53 |
| | 250 Hz | 106.60 | 0.00 | | 83.48 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.74 |
| | 500 Hz | 103.70 | 0.00 | | 83.48 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.12 |
| | 1000 Hz | 99.80 | 0.00 | | 83.48 | 15.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.94 |
| | 2000 Hz | 95.60 | 0.00 | | 83.48 | 40.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.52 |
| | 4000 Hz | 86.90 | 0.00 | | 83.48 | 137.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -131.42 |
| | 8000 Hz | 65.40 | 0.00 | | 83.48 | 491.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -506.72 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.81 | 0.53 | -3.00 | 0.00 | 0.00 | 3.05 | 0.00 | 30.91 |
| | 125 Hz | 111.00 | 0.00 | | 83.81 | 1.80 | -3.00 | 0.00 | 0.00 | 0.21 | 0.00 | 28.18 |
| | 250 Hz | 106.60 | 0.00 | | 83.81 | 4.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.23 |
| | 500 Hz | 103.70 | 0.00 | | 83.81 | 8.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.47 |
| | 1000 Hz | 99.80 | 0.00 | | 83.81 | 15.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 |
| | 2000 Hz | 95.60 | 0.00 | | 83.81 | 42.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.44 |
| | 4000 Hz | 86.90 | 0.00 | | 83.81 | 143.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -137.13 |
| | 8000 Hz | 65.40 | 0.00 | | 83.81 | 510.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -526.21 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.15 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.26 |
| | 125 Hz | 104.80 | 0.00 | | 81.15 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.33 |
| | 250 Hz | 101.20 | 0.00 | | 81.15 | 3.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.70 |
| | 500 Hz | 96.80 | 0.00 | | 81.15 | 6.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.46 |
| | 1000 Hz | 92.70 | 0.00 | | 81.15 | 11.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 |
| | 2000 Hz | 90.50 | 0.00 | | 81.15 | 31.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.73 |
| | 4000 Hz | 84.90 | 0.00 | | 81.15 | 105.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -98.64 |
| | 8000 Hz | 70.70 | 0.00 | | 81.15 | 375.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -383.36 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.64 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.10 |
| | 125 Hz | 106.90 | 0.00 | | 82.64 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.69 |
| | 250 Hz | 104.10 | 0.00 | | 82.64 | 3.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.48 |
| | 500 Hz | 100.40 | 0.00 | | 82.64 | 7.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.40 |
| | 1000 Hz | 96.10 | 0.00 | | 82.64 | 13.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 |
| | 2000 Hz | 90.70 | 0.00 | | 82.64 | 36.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.86 |
| | 4000 Hz | 83.90 | 0.00 | | 82.64 | 125.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -120.93 |
| | 8000 Hz | 75.80 | 0.00 | | 82.64 | 446.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -450.34 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.59 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.20 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 108.80 | 0.00 | | 81.59 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.82 |
| | 250 Hz | 106.10 | 0.00 | | 81.59 | 3.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.98 |
| | 500 Hz | 102.40 | 0.00 | | 81.59 | 6.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.29 |
| | 1000 Hz | 98.10 | 0.00 | | 81.59 | 12.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.13 |
| | 2000 Hz | 92.80 | 0.00 | | 81.59 | 32.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.50 |
| | 4000 Hz | 85.90 | 0.00 | | 81.59 | 110.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -103.63 |
| | 8000 Hz | 77.90 | 0.00 | | 81.59 | 395.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -396.37 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 80.95 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.87 |
| | 125 Hz | 106.90 | 0.00 | | 80.95 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.66 |
| | 250 Hz | 104.10 | 0.00 | | 80.95 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.87 |
| | 500 Hz | 100.40 | 0.00 | | 80.95 | 6.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.39 |
| | 1000 Hz | 96.10 | 0.00 | | 80.95 | 11.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.65 |
| | 2000 Hz | 90.70 | 0.00 | | 80.95 | 30.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.64 |
| | 4000 Hz | 83.90 | 0.00 | | 80.95 | 103.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -97.11 |
| | 8000 Hz | 75.80 | 0.00 | | 80.95 | 367.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -369.73 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.74 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.25 |
| | 125 Hz | 108.80 | 0.00 | | 75.74 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.35 |
| | 250 Hz | 106.10 | 0.00 | | 75.74 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.56 |
| | 500 Hz | 102.40 | 0.00 | | 75.74 | 3.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.33 |
| | 1000 Hz | 98.10 | 0.00 | | 75.74 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.04 |
| | 2000 Hz | 92.80 | 0.00 | | 75.74 | 16.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.37 |
| | 4000 Hz | 85.90 | 0.00 | | 75.74 | 56.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.43 |
| | 8000 Hz | 77.90 | 0.00 | | 75.74 | 201.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -196.68 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.01 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.94 |
| | 125 Hz | 110.70 | 0.00 | | 73.01 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.17 |
| | 250 Hz | 108.00 | 0.00 | | 73.01 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.67 |
| | 500 Hz | 104.50 | 0.00 | | 73.01 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.06 |
| | 1000 Hz | 100.10 | 0.00 | | 73.01 | 4.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.48 |
| | 2000 Hz | 94.80 | 0.00 | | 73.01 | 12.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.60 |
| | 4000 Hz | 87.90 | 0.00 | | 73.01 | 41.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.43 |
| | 8000 Hz | 79.90 | 0.00 | | 73.01 | 147.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -137.48 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 70.96 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.21 |
| | 125 Hz | 110.90 | 0.00 | | 70.96 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.53 |
| | 250 Hz | 108.10 | 0.00 | | 70.96 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.10 |
| | 500 Hz | 104.40 | 0.00 | | 70.96 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.52 |
| | 1000 Hz | 100.10 | 0.00 | | 70.96 | 3.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.49 |
| | 2000 Hz | 94.80 | 0.00 | | 70.96 | 9.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.21 |
| | 4000 Hz | 88.00 | 0.00 | | 70.96 | 32.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.61 |
| | 8000 Hz | 80.00 | 0.00 | | 70.96 | 116.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -104.40 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 68.19 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.82 |
| | 125 Hz | 110.70 | 0.00 | | 68.19 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.21 |
| | 250 Hz | 108.00 | 0.00 | | 68.19 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.05 |
| | 500 Hz | 104.50 | 0.00 | | 68.19 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.91 |
| | 1000 Hz | 100.10 | 0.00 | | 68.19 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.26 |
| | 2000 Hz | 94.80 | 0.00 | | 68.19 | 7.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.61 |
| | 4000 Hz | 87.90 | 0.00 | | 68.19 | 23.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.03 |
| | 8000 Hz | 79.90 | 0.00 | | 68.19 | 84.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -69.93 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 70.09 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.10 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.90 | 0.00 | | 70.09 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.44 |
| | 250 Hz | 108.10 | 0.00 | | 70.09 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.07 |
| | 500 Hz | 104.40 | 0.00 | | 70.09 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.57 |
| | 1000 Hz | 100.10 | 0.00 | | 70.09 | 3.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.71 |
| | 2000 Hz | 94.80 | 0.00 | | 70.09 | 8.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.00 |
| | 4000 Hz | 88.00 | 0.00 | | 70.09 | 29.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -8.62 |
| | 8000 Hz | 80.00 | 0.00 | | 70.09 | 105.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -92.42 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 68.56 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.45 |
| | 125 Hz | 110.70 | 0.00 | | 68.56 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.83 |
| | 250 Hz | 108.00 | 0.00 | | 68.56 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.66 |
| | 500 Hz | 104.50 | 0.00 | | 68.56 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.49 |
| | 1000 Hz | 100.10 | 0.00 | | 68.56 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.78 |
| | 2000 Hz | 94.80 | 0.00 | | 68.56 | 7.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.95 |
| | 4000 Hz | 87.90 | 0.00 | | 68.56 | 24.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.40 |
| | 8000 Hz | 79.90 | 0.00 | | 68.56 | 88.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -73.90 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt011 | IP J | 378743.52 | 5777590.05 | 61.083 | 42.76 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 80.78 | 5.93 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 8.54 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 79.66 | 5.22 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 8.43 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.89 | 6.01 | 4.51 | 0.00 | 0.00 | 0.27 | 0.00 | 6.34 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 83.08 | 7.73 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | -91.57 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 86.05 | 0.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.69 |
| | 125 Hz | 102.50 | 0.00 | | 86.05 | 2.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.36 |
| | 250 Hz | 99.20 | 0.00 | | 86.05 | 5.90 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 5.49 |
| | 500 Hz | 96.00 | 0.00 | | 86.05 | 10.90 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | -2.71 |
| | 1000 Hz | 92.30 | 0.00 | | 86.05 | 20.69 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | -16.18 |
| | 2000 Hz | 89.10 | 0.00 | | 86.05 | 54.66 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | -53.33 |
| | 4000 Hz | 85.30 | 0.00 | | 86.05 | 185.37 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | -187.79 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 86.00 | 0.68 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 18.76 |
| | 125 Hz | 105.50 | 0.00 | | 86.00 | 2.31 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 15.44 |
| | 250 Hz | 102.20 | 0.00 | | 86.00 | 5.87 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | 8.61 |
| | 500 Hz | 99.00 | 0.00 | | 86.00 | 10.84 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | 0.48 |
| | 1000 Hz | 95.30 | 0.00 | | 86.00 | 20.57 | -3.00 | 0.00 | 0.00 | 4.58 | 0.00 | -12.85 |
| | 2000 Hz | 92.10 | 0.00 | | 86.00 | 54.35 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | -49.63 |
| | 4000 Hz | 88.30 | 0.00 | | 86.00 | 184.31 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | -182.96 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.97 | 0.20 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | 31.50 |
| | 63 Hz | 116.40 | 0.00 | | 86.97 | 0.77 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | 26.99 |
| | 125 Hz | 110.70 | 0.00 | | 86.97 | 2.59 | -3.00 | 0.00 | 0.00 | 4.57 | 0.00 | 19.57 |
| | 250 Hz | 104.40 | 0.00 | | 86.97 | 6.56 | -3.00 | 0.00 | 0.00 | 4.37 | 0.00 | 9.50 |
| | 500 Hz | 101.20 | 0.00 | | 86.97 | 12.12 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | 1.18 |
| | 1000 Hz | 99.40 | 0.00 | | 86.97 | 23.01 | -3.00 | 0.00 | 0.00 | 2.86 | 0.00 | -10.44 |
| | 2000 Hz | 93.80 | 0.00 | | 86.97 | 60.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -50.96 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 86.70 | 0.00 | | 86.97 | 206.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.43 |
| | 8000 Hz | 78.40 | 0.00 | | 86.97 | 735.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -740.85 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.89 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.39 |
| | 63 Hz | 116.40 | 0.00 | | 82.89 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.04 |
| | 125 Hz | 110.70 | 0.00 | | 82.89 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.20 |
| | 250 Hz | 104.40 | 0.00 | | 82.89 | 4.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.41 |
| | 500 Hz | 101.20 | 0.00 | | 82.89 | 7.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.74 |
| | 1000 Hz | 99.40 | 0.00 | | 82.89 | 14.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.14 |
| | 2000 Hz | 93.80 | 0.00 | | 82.89 | 37.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.06 |
| | 4000 Hz | 86.70 | 0.00 | | 82.89 | 128.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.98 |
| | 8000 Hz | 78.40 | 0.00 | | 82.89 | 459.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.84 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.15 | 0.18 | -3.00 | 0.00 | 0.00 | 4.40 | 0.00 | | 32.67 |
| | 63 Hz | 116.40 | 0.00 | | 86.15 | 0.70 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | | 28.56 |
| | 125 Hz | 110.70 | 0.00 | | 86.15 | 2.35 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | | 22.14 |
| | 250 Hz | 104.40 | 0.00 | | 86.15 | 5.97 | -3.00 | 0.00 | 0.00 | 0.20 | 0.00 | | 15.08 |
| | 500 Hz | 101.20 | 0.00 | | 86.15 | 11.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.02 |
| | 1000 Hz | 99.40 | 0.00 | | 86.15 | 20.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.68 |
| | 2000 Hz | 93.80 | 0.00 | | 86.15 | 55.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.66 |
| | 4000 Hz | 86.70 | 0.00 | | 86.15 | 187.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -184.01 |
| | 8000 Hz | 78.40 | 0.00 | | 86.15 | 668.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -673.70 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.59 | 0.19 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | | 31.92 |
| | 63 Hz | 116.40 | 0.00 | | 86.59 | 0.73 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | | 27.45 |
| | 125 Hz | 110.70 | 0.00 | | 86.59 | 2.47 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | | 20.16 |
| | 250 Hz | 104.40 | 0.00 | | 86.59 | 6.28 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 10.36 |
| | 500 Hz | 101.20 | 0.00 | | 86.59 | 11.60 | -3.00 | 0.00 | 0.00 | 3.46 | 0.00 | | 2.54 |
| | 1000 Hz | 99.40 | 0.00 | | 86.59 | 22.01 | -3.00 | 0.00 | 0.00 | 1.58 | 0.00 | | -7.79 |
| | 2000 Hz | 93.80 | 0.00 | | 86.59 | 58.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.96 |
| | 4000 Hz | 86.70 | 0.00 | | 86.59 | 197.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.16 |
| | 8000 Hz | 78.40 | 0.00 | | 86.59 | 703.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -708.79 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.22 | 0.16 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 34.67 |
| | 63 Hz | 116.40 | 0.00 | | 85.22 | 0.63 | -3.00 | 0.00 | 0.00 | 1.20 | 0.00 | | 32.35 |
| | 125 Hz | 110.70 | 0.00 | | 85.22 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.37 |
| | 250 Hz | 104.40 | 0.00 | | 85.22 | 5.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.81 |
| | 500 Hz | 101.20 | 0.00 | | 85.22 | 9.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.07 |
| | 1000 Hz | 99.40 | 0.00 | | 85.22 | 18.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.63 |
| | 2000 Hz | 93.80 | 0.00 | | 85.22 | 49.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.12 |
| | 4000 Hz | 86.70 | 0.00 | | 85.22 | 168.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -164.04 |
| | 8000 Hz | 78.40 | 0.00 | | 85.22 | 601.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -604.88 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.62 | 0.17 | -3.00 | 0.00 | 0.00 | 3.68 | 0.00 | | 33.93 |
| | 63 Hz | 116.40 | 0.00 | | 85.62 | 0.65 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | | 30.90 |
| | 125 Hz | 110.70 | 0.00 | | 85.62 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.87 |
| | 250 Hz | 104.40 | 0.00 | | 85.62 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.17 |
| | 500 Hz | 101.20 | 0.00 | | 85.62 | 10.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.21 |
| | 1000 Hz | 99.40 | 0.00 | | 85.62 | 19.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.89 |
| | 2000 Hz | 93.80 | 0.00 | | 85.62 | 52.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.82 |
| | 4000 Hz | 86.70 | 0.00 | | 85.62 | 176.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -172.26 |
| | 8000 Hz | 78.40 | 0.00 | | 85.62 | 628.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -633.17 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.55 | 0.19 | -3.00 | 0.00 | 0.00 | 4.49 | 0.00 | | 32.17 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 86.55 | 0.73 | -3.00 | 0.00 | 0.00 | 4.19 | 0.00 | | 27.93 |
| | 125 Hz | 110.70 | 0.00 | | 86.55 | 2.46 | -3.00 | 0.00 | 0.00 | 3.53 | 0.00 | | 21.15 |
| | 250 Hz | 104.40 | 0.00 | | 86.55 | 6.25 | -3.00 | 0.00 | 0.00 | 1.80 | 0.00 | | 12.80 |
| | 500 Hz | 101.20 | 0.00 | | 86.55 | 11.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.10 |
| | 1000 Hz | 99.40 | 0.00 | | 86.55 | 21.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.06 |
| | 2000 Hz | 93.80 | 0.00 | | 86.55 | 57.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.65 |
| | 4000 Hz | 86.70 | 0.00 | | 86.55 | 196.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -193.20 |
| | 8000 Hz | 78.40 | 0.00 | | 86.55 | 700.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -705.48 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.26 | 0.19 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 35.09 |
| | 63 Hz | 116.40 | 0.00 | | 86.26 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.43 |
| | 125 Hz | 110.70 | 0.00 | | 86.26 | 2.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.05 |
| | 250 Hz | 104.40 | 0.00 | | 86.26 | 6.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.09 |
| | 500 Hz | 101.20 | 0.00 | | 86.26 | 11.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.76 |
| | 1000 Hz | 99.40 | 0.00 | | 86.26 | 21.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.07 |
| | 2000 Hz | 93.80 | 0.00 | | 86.26 | 56.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.49 |
| | 4000 Hz | 86.70 | 0.00 | | 86.26 | 190.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -186.57 |
| | 8000 Hz | 78.40 | 0.00 | | 86.26 | 677.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -682.55 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.76 | 0.18 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 31.62 |
| | 63 Hz | 113.10 | 0.00 | | 85.76 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.68 |
| | 125 Hz | 107.40 | 0.00 | | 85.76 | 2.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.40 |
| | 250 Hz | 101.10 | 0.00 | | 85.76 | 5.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.64 |
| | 500 Hz | 97.90 | 0.00 | | 85.76 | 10.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.60 |
| | 1000 Hz | 96.10 | 0.00 | | 85.76 | 20.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.66 |
| | 2000 Hz | 90.50 | 0.00 | | 85.76 | 52.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.10 |
| | 4000 Hz | 83.40 | 0.00 | | 85.76 | 179.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.57 |
| | 8000 Hz | 75.10 | 0.00 | | 85.76 | 639.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -646.86 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.55 | 0.19 | -3.00 | 0.00 | 0.00 | 3.51 | 0.00 | | 33.15 |
| | 63 Hz | 116.40 | 0.00 | | 86.55 | 0.73 | -3.00 | 0.00 | 0.00 | 1.74 | 0.00 | | 30.38 |
| | 125 Hz | 110.70 | 0.00 | | 86.55 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.69 |
| | 250 Hz | 104.40 | 0.00 | | 86.55 | 6.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.60 |
| | 500 Hz | 101.20 | 0.00 | | 86.55 | 11.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.10 |
| | 1000 Hz | 99.40 | 0.00 | | 86.55 | 21.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.06 |
| | 2000 Hz | 93.80 | 0.00 | | 86.55 | 57.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.65 |
| | 4000 Hz | 86.70 | 0.00 | | 86.55 | 196.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -193.21 |
| | 8000 Hz | 78.40 | 0.00 | | 86.55 | 700.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -705.48 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 87.10 | 0.20 | -3.00 | 0.00 | 0.00 | 4.37 | 0.00 | | 31.73 |
| | 63 Hz | 116.40 | 0.00 | | 87.10 | 0.78 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 27.61 |
| | 125 Hz | 110.70 | 0.00 | | 87.10 | 2.62 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | | 21.10 |
| | 250 Hz | 104.40 | 0.00 | | 87.10 | 6.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.65 |
| | 500 Hz | 101.20 | 0.00 | | 87.10 | 12.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.81 |
| | 1000 Hz | 99.40 | 0.00 | | 87.10 | 23.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.03 |
| | 2000 Hz | 93.80 | 0.00 | | 87.10 | 61.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.96 |
| | 4000 Hz | 86.70 | 0.00 | | 87.10 | 209.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -206.49 |
| | 8000 Hz | 78.40 | 0.00 | | 87.10 | 745.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -751.48 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 82.82 | 0.47 | -3.00 | 0.00 | 0.00 | 3.12 | 0.00 | | 25.28 |
| | 125 Hz | 104.80 | 0.00 | | 82.82 | 1.60 | -3.00 | 0.00 | 0.00 | 0.48 | 0.00 | | 22.89 |
| | 250 Hz | 101.50 | 0.00 | | 82.82 | 4.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.61 |
| | 500 Hz | 97.10 | 0.00 | | 82.82 | 7.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.76 |
| | 1000 Hz | 91.00 | 0.00 | | 82.82 | 14.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.09 |
| | 2000 Hz | 86.30 | 0.00 | | 82.82 | 37.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.23 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 4000 Hz | 80.30 | 0.00 | | 82.82 | 127.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -127.39 |
| | 8000 Hz | 74.00 | 0.00 | | 82.82 | 456.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -461.88 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.56 | 0.14 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | 30.26 |
| | 63 Hz | 113.00 | 0.00 | | 83.56 | 0.52 | -3.00 | 0.00 | 0.00 | 3.15 | 0.00 | 28.77 |
| | 125 Hz | 108.60 | 0.00 | | 83.56 | 1.75 | -3.00 | 0.00 | 0.00 | 0.59 | 0.00 | 25.70 |
| | 250 Hz | 105.70 | 0.00 | | 83.56 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.70 |
| | 500 Hz | 101.70 | 0.00 | | 83.56 | 8.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.95 |
| | 1000 Hz | 95.50 | 0.00 | | 83.56 | 15.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.60 |
| | 2000 Hz | 89.70 | 0.00 | | 83.56 | 41.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.92 |
| | 4000 Hz | 82.20 | 0.00 | | 83.56 | 139.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -137.60 |
| | 8000 Hz | 74.00 | 0.00 | | 83.56 | 496.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -503.18 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.83 | 0.14 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | 29.59 |
| | 63 Hz | 113.00 | 0.00 | | 83.83 | 0.53 | -3.00 | 0.00 | 0.00 | 4.08 | 0.00 | 27.55 |
| | 125 Hz | 108.60 | 0.00 | | 83.83 | 1.80 | -3.00 | 0.00 | 0.00 | 3.28 | 0.00 | 22.69 |
| | 250 Hz | 105.70 | 0.00 | | 83.83 | 4.57 | -3.00 | 0.00 | 0.00 | 1.00 | 0.00 | 19.30 |
| | 500 Hz | 101.70 | 0.00 | | 83.83 | 8.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.42 |
| | 1000 Hz | 95.50 | 0.00 | | 83.83 | 16.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.35 |
| | 2000 Hz | 89.70 | 0.00 | | 83.83 | 42.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -33.47 |
| | 4000 Hz | 82.20 | 0.00 | | 83.83 | 143.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -142.22 |
| | 8000 Hz | 74.00 | 0.00 | | 83.83 | 512.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -518.95 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 79.74 | 0.09 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | 33.98 |
| | 63 Hz | 111.30 | 0.00 | | 79.74 | 0.33 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | 30.94 |
| | 125 Hz | 107.40 | 0.00 | | 79.74 | 1.12 | -3.00 | 0.00 | 0.00 | 1.07 | 0.00 | 28.47 |
| | 250 Hz | 102.80 | 0.00 | | 79.74 | 2.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.21 |
| | 500 Hz | 99.70 | 0.00 | | 79.74 | 5.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.69 |
| | 1000 Hz | 96.60 | 0.00 | | 79.74 | 10.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.86 |
| | 2000 Hz | 91.70 | 0.00 | | 79.74 | 26.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.46 |
| | 4000 Hz | 85.00 | 0.00 | | 79.74 | 89.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -81.35 |
| | 8000 Hz | 87.30 | 0.00 | | 79.74 | 319.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -309.07 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.28 | 0.50 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | 27.82 |
| | 125 Hz | 108.60 | 0.00 | | 83.28 | 1.69 | -3.00 | 0.00 | 0.00 | 1.11 | 0.00 | 25.52 |
| | 250 Hz | 103.40 | 0.00 | | 83.28 | 4.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.83 |
| | 500 Hz | 99.10 | 0.00 | | 83.28 | 7.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.89 |
| | 1000 Hz | 98.00 | 0.00 | | 83.28 | 15.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.68 |
| | 2000 Hz | 89.80 | 0.00 | | 83.28 | 39.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -30.23 |
| | 4000 Hz | 85.30 | 0.00 | | 83.28 | 134.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -129.77 |
| | 8000 Hz | 80.10 | 0.00 | | 83.28 | 480.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -480.93 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.04 | 0.13 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | 34.33 |
| | 63 Hz | 112.30 | 0.00 | | 83.04 | 0.49 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | 28.48 |
| | 125 Hz | 108.10 | 0.00 | | 83.04 | 1.64 | -3.00 | 0.00 | 0.00 | 1.08 | 0.00 | 25.34 |
| | 250 Hz | 103.50 | 0.00 | | 83.04 | 4.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.28 |
| | 500 Hz | 100.70 | 0.00 | | 83.04 | 7.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.94 |
| | 1000 Hz | 98.30 | 0.00 | | 83.04 | 14.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.62 |
| | 2000 Hz | 93.80 | 0.00 | | 83.04 | 38.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.92 |
| | 4000 Hz | 86.20 | 0.00 | | 83.04 | 131.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -125.00 |
| | 8000 Hz | 78.20 | 0.00 | | 83.04 | 467.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -469.64 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 82.32 | 0.12 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | 33.14 |
| | 63 Hz | 111.70 | 0.00 | | 82.32 | 0.45 | -3.00 | 0.00 | 0.00 | 3.13 | 0.00 | 28.81 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 106.40 | 0.00 | | 82.32 | 1.51 | -3.00 | 0.00 | 0.00 | 0.51 | 0.00 | 25.06 |
| | 250 Hz | 102.10 | 0.00 | | 82.32 | 3.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.94 |
| | 500 Hz | 99.10 | 0.00 | | 82.32 | 7.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.69 |
| | 1000 Hz | 96.90 | 0.00 | | 82.32 | 13.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 |
| | 2000 Hz | 90.50 | 0.00 | | 82.32 | 35.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.39 |
| | 4000 Hz | 81.00 | 0.00 | | 82.32 | 120.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.95 |
| | 8000 Hz | 76.50 | 0.00 | | 82.32 | 430.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -433.07 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 84.34 | 0.15 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 32.41 |
| | 63 Hz | 110.40 | 0.00 | | 84.34 | 0.57 | -3.00 | 0.00 | 0.00 | 4.43 | 0.00 | 24.06 |
| | 125 Hz | 107.20 | 0.00 | | 84.34 | 1.91 | -3.00 | 0.00 | 0.00 | 4.06 | 0.00 | 19.89 |
| | 250 Hz | 101.70 | 0.00 | | 84.34 | 4.85 | -3.00 | 0.00 | 0.00 | 3.21 | 0.00 | 12.30 |
| | 500 Hz | 98.20 | 0.00 | | 84.34 | 8.96 | -3.00 | 0.00 | 0.00 | 0.75 | 0.00 | 7.15 |
| | 1000 Hz | 95.60 | 0.00 | | 84.34 | 17.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.74 |
| | 2000 Hz | 93.70 | 0.00 | | 84.34 | 44.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.55 |
| | 4000 Hz | 90.70 | 0.00 | | 84.34 | 152.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -142.94 |
| | 8000 Hz | 79.50 | 0.00 | | 84.34 | 543.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -545.04 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.22 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.44 |
| | 63 Hz | 111.60 | 0.00 | | 84.22 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.83 |
| | 125 Hz | 108.60 | 0.00 | | 84.22 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.50 |
| | 250 Hz | 106.50 | 0.00 | | 84.22 | 4.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.50 |
| | 500 Hz | 102.90 | 0.00 | | 84.22 | 8.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.85 |
| | 1000 Hz | 99.60 | 0.00 | | 84.22 | 16.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 |
| | 2000 Hz | 95.90 | 0.00 | | 84.22 | 44.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.59 |
| | 4000 Hz | 90.10 | 0.00 | | 84.22 | 150.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -141.24 |
| | 8000 Hz | 76.30 | 0.00 | | 84.22 | 535.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -540.35 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.65 | 0.15 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | 27.49 |
| | 63 Hz | 111.60 | 0.00 | | 84.65 | 0.59 | -3.00 | 0.00 | 0.00 | 4.22 | 0.00 | 25.14 |
| | 125 Hz | 108.60 | 0.00 | | 84.65 | 1.98 | -3.00 | 0.00 | 0.00 | 3.60 | 0.00 | 21.37 |
| | 250 Hz | 106.50 | 0.00 | | 84.65 | 5.03 | -3.00 | 0.00 | 0.00 | 1.99 | 0.00 | 17.83 |
| | 500 Hz | 102.90 | 0.00 | | 84.65 | 9.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.96 |
| | 1000 Hz | 99.60 | 0.00 | | 84.65 | 17.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 |
| | 2000 Hz | 95.90 | 0.00 | | 84.65 | 46.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.31 |
| | 4000 Hz | 90.10 | 0.00 | | 84.65 | 157.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -149.42 |
| | 8000 Hz | 76.30 | 0.00 | | 84.65 | 563.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -568.41 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.62 | 0.12 | -3.00 | 0.00 | 0.00 | 4.42 | 0.00 | 29.64 |
| | 63 Hz | 111.60 | 0.00 | | 82.62 | 0.46 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | 27.49 |
| | 125 Hz | 108.60 | 0.00 | | 82.62 | 1.57 | -3.00 | 0.00 | 0.00 | 3.15 | 0.00 | 24.27 |
| | 250 Hz | 106.50 | 0.00 | | 82.62 | 3.98 | -3.00 | 0.00 | 0.00 | 0.53 | 0.00 | 22.38 |
| | 500 Hz | 102.90 | 0.00 | | 82.62 | 7.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.94 |
| | 1000 Hz | 99.60 | 0.00 | | 82.62 | 13.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.05 |
| | 2000 Hz | 95.90 | 0.00 | | 82.62 | 36.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.54 |
| | 4000 Hz | 90.10 | 0.00 | | 82.62 | 124.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -114.39 |
| | 8000 Hz | 76.30 | 0.00 | | 82.62 | 445.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -448.71 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.77 | 0.12 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | 29.46 |
| | 63 Hz | 111.60 | 0.00 | | 82.77 | 0.47 | -3.00 | 0.00 | 0.00 | 4.08 | 0.00 | 27.28 |
| | 125 Hz | 108.60 | 0.00 | | 82.77 | 1.59 | -3.00 | 0.00 | 0.00 | 3.27 | 0.00 | 23.97 |
| | 250 Hz | 106.50 | 0.00 | | 82.77 | 4.05 | -3.00 | 0.00 | 0.00 | 0.94 | 0.00 | 21.74 |
| | 500 Hz | 102.90 | 0.00 | | 82.77 | 7.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.65 |
| | 1000 Hz | 99.60 | 0.00 | | 82.77 | 14.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.64 |
| | 2000 Hz | 95.90 | 0.00 | | 82.77 | 37.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.36 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 90.10 | 0.00 | | 82.77 | 127.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.80 |
| | 8000 Hz | 76.30 | 0.00 | | 82.77 | 453.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -456.90 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.61 | 0.14 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 28.60 |
| | 63 Hz | 111.60 | 0.00 | | 83.61 | 0.52 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | 26.35 |
| | 125 Hz | 108.60 | 0.00 | | 83.61 | 1.75 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | | 22.85 |
| | 250 Hz | 106.50 | 0.00 | | 83.61 | 4.45 | -3.00 | 0.00 | 0.00 | 1.34 | 0.00 | | 20.10 |
| | 500 Hz | 102.90 | 0.00 | | 83.61 | 8.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.06 |
| | 1000 Hz | 99.60 | 0.00 | | 83.61 | 15.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.38 |
| | 2000 Hz | 95.90 | 0.00 | | 83.61 | 41.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.97 |
| | 4000 Hz | 90.10 | 0.00 | | 83.61 | 139.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.42 |
| | 8000 Hz | 76.30 | 0.00 | | 83.61 | 499.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -503.35 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.35 | 0.11 | -3.00 | 0.00 | 0.00 | 4.36 | 0.00 | | 30.98 |
| | 63 Hz | 111.60 | 0.00 | | 81.35 | 0.40 | -3.00 | 0.00 | 0.00 | 3.91 | 0.00 | | 28.94 |
| | 125 Hz | 108.60 | 0.00 | | 81.35 | 1.35 | -3.00 | 0.00 | 0.00 | 2.85 | 0.00 | | 26.04 |
| | 250 Hz | 106.50 | 0.00 | | 81.35 | 3.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.71 |
| | 500 Hz | 102.90 | 0.00 | | 81.35 | 6.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.20 |
| | 1000 Hz | 99.60 | 0.00 | | 81.35 | 12.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.20 |
| | 2000 Hz | 95.90 | 0.00 | | 81.35 | 31.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.29 |
| | 4000 Hz | 90.10 | 0.00 | | 81.35 | 107.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.21 |
| | 8000 Hz | 76.30 | 0.00 | | 81.35 | 385.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -387.10 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.01 | 0.11 | -3.00 | 0.00 | 0.00 | 4.39 | 0.00 | | 30.29 |
| | 63 Hz | 111.60 | 0.00 | | 82.01 | 0.43 | -3.00 | 0.00 | 0.00 | 3.97 | 0.00 | | 28.19 |
| | 125 Hz | 108.60 | 0.00 | | 82.01 | 1.46 | -3.00 | 0.00 | 0.00 | 3.01 | 0.00 | | 25.12 |
| | 250 Hz | 106.50 | 0.00 | | 82.01 | 3.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.78 |
| | 500 Hz | 102.90 | 0.00 | | 82.01 | 6.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.04 |
| | 1000 Hz | 99.60 | 0.00 | | 82.01 | 12.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.60 |
| | 2000 Hz | 95.90 | 0.00 | | 82.01 | 34.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.44 |
| | 4000 Hz | 90.10 | 0.00 | | 82.01 | 116.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.33 |
| | 8000 Hz | 76.30 | 0.00 | | 82.01 | 415.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -417.95 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.99 | 0.13 | -3.00 | 0.00 | 0.00 | 4.43 | 0.00 | | 29.25 |
| | 63 Hz | 111.60 | 0.00 | | 82.99 | 0.48 | -3.00 | 0.00 | 0.00 | 4.06 | 0.00 | | 27.06 |
| | 125 Hz | 108.60 | 0.00 | | 82.99 | 1.64 | -3.00 | 0.00 | 0.00 | 3.22 | 0.00 | | 23.75 |
| | 250 Hz | 106.50 | 0.00 | | 82.99 | 4.15 | -3.00 | 0.00 | 0.00 | 0.79 | 0.00 | | 21.57 |
| | 500 Hz | 102.90 | 0.00 | | 82.99 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.24 |
| | 1000 Hz | 99.60 | 0.00 | | 82.99 | 14.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.05 |
| | 2000 Hz | 95.90 | 0.00 | | 82.99 | 38.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.54 |
| | 4000 Hz | 90.10 | 0.00 | | 82.99 | 130.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.29 |
| | 8000 Hz | 76.30 | 0.00 | | 82.99 | 465.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -468.76 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 86.17 | 0.70 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | -81.61 |
| | 125 Hz | 5.20 | 0.00 | | 86.17 | 2.36 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | -84.83 |
| | 250 Hz | 1.90 | 0.00 | | 86.17 | 5.98 | -3.00 | 0.00 | 0.00 | 4.22 | 0.00 | | -91.47 |
| | 500 Hz | -1.30 | 0.00 | | 86.17 | 11.06 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | -99.10 |
| | 1000 Hz | -5.00 | 0.00 | | 86.17 | 20.98 | -3.00 | 0.00 | 0.00 | 1.93 | 0.00 | | -111.08 |
| | 2000 Hz | -8.20 | 0.00 | | 86.17 | 55.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -146.80 |
| | 4000 Hz | -12.00 | 0.00 | | 86.17 | 187.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -283.14 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 82.00 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.77 |
| | 125 Hz | 106.50 | 0.00 | | 82.00 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.04 |
| | 250 Hz | 103.20 | 0.00 | | 82.00 | 3.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.50 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 500 Hz | 100.00 | 0.00 | | 82.00 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.16 |
| | 1000 Hz | 96.30 | 0.00 | | 82.00 | 12.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 |
| | 2000 Hz | 93.10 | 0.00 | | 82.00 | 34.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.19 |
| | 4000 Hz | 89.30 | 0.00 | | 82.00 | 116.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -106.00 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.92 | 0.18 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | 27.63 |
| | 63 Hz | 110.90 | 0.00 | | 85.92 | 0.68 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | 24.07 |
| | 125 Hz | 108.00 | 0.00 | | 85.92 | 2.29 | -3.00 | 0.00 | 0.00 | 0.86 | 0.00 | 21.93 |
| | 250 Hz | 103.80 | 0.00 | | 85.92 | 5.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.06 |
| | 500 Hz | 101.90 | 0.00 | | 85.92 | 10.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.23 |
| | 1000 Hz | 98.90 | 0.00 | | 85.92 | 20.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.41 |
| | 2000 Hz | 94.60 | 0.00 | | 85.92 | 53.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -42.19 |
| | 4000 Hz | 88.20 | 0.00 | | 85.92 | 182.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -177.40 |
| | 8000 Hz | 78.80 | 0.00 | | 85.92 | 651.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -655.67 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.37 | 0.17 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | 28.19 |
| | 63 Hz | 110.90 | 0.00 | | 85.37 | 0.64 | -3.00 | 0.00 | 0.00 | 3.24 | 0.00 | 24.66 |
| | 125 Hz | 108.00 | 0.00 | | 85.37 | 2.15 | -3.00 | 0.00 | 0.00 | 0.91 | 0.00 | 22.58 |
| | 250 Hz | 103.80 | 0.00 | | 85.37 | 5.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.98 |
| | 500 Hz | 101.90 | 0.00 | | 85.37 | 10.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.46 |
| | 1000 Hz | 98.90 | 0.00 | | 85.37 | 19.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.59 |
| | 2000 Hz | 94.60 | 0.00 | | 85.37 | 50.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -38.29 |
| | 4000 Hz | 88.20 | 0.00 | | 85.37 | 171.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -165.50 |
| | 8000 Hz | 78.80 | 0.00 | | 85.37 | 611.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -614.65 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.76 | 0.18 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | 27.63 |
| | 63 Hz | 110.90 | 0.00 | | 85.76 | 0.67 | -3.00 | 0.00 | 0.00 | 3.62 | 0.00 | 23.85 |
| | 125 Hz | 108.00 | 0.00 | | 85.76 | 2.25 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | 20.92 |
| | 250 Hz | 103.80 | 0.00 | | 85.76 | 5.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.33 |
| | 500 Hz | 101.90 | 0.00 | | 85.76 | 10.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.59 |
| | 1000 Hz | 98.90 | 0.00 | | 85.76 | 20.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.88 |
| | 2000 Hz | 94.60 | 0.00 | | 85.76 | 52.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.05 |
| | 4000 Hz | 88.20 | 0.00 | | 85.76 | 179.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -173.92 |
| | 8000 Hz | 78.80 | 0.00 | | 85.76 | 639.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -643.66 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.85 | 0.16 | -3.00 | 0.00 | 0.00 | 3.32 | 0.00 | 29.46 |
| | 63 Hz | 110.90 | 0.00 | | 84.85 | 0.60 | -3.00 | 0.00 | 0.00 | 1.13 | 0.00 | 27.31 |
| | 125 Hz | 108.00 | 0.00 | | 84.85 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.12 |
| | 250 Hz | 103.80 | 0.00 | | 84.85 | 5.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.80 |
| | 500 Hz | 101.90 | 0.00 | | 84.85 | 9.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.54 |
| | 1000 Hz | 98.90 | 0.00 | | 84.85 | 18.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.98 |
| | 2000 Hz | 94.60 | 0.00 | | 84.85 | 47.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.89 |
| | 4000 Hz | 88.20 | 0.00 | | 84.85 | 161.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -155.21 |
| | 8000 Hz | 78.80 | 0.00 | | 84.85 | 576.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -579.26 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 81.54 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.56 |
| | 63 Hz | 122.10 | 0.00 | | 81.54 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.15 |
| | 125 Hz | 115.00 | 0.00 | | 81.54 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.08 |
| | 250 Hz | 108.00 | 0.00 | | 81.54 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.95 |
| | 500 Hz | 103.90 | 0.00 | | 81.54 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.88 |
| | 1000 Hz | 101.60 | 0.00 | | 81.54 | 12.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.76 |
| | 2000 Hz | 96.70 | 0.00 | | 81.54 | 32.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.35 |
| | 4000 Hz | 88.60 | 0.00 | | 81.54 | 110.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.20 |
| | 8000 Hz | 80.90 | 0.00 | | 81.54 | 393.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -390.90 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 82.18 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.88 |
| | 125 Hz | 109.80 | 0.00 | | 82.18 | 1.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.13 |
| | 250 Hz | 107.40 | 0.00 | | 82.18 | 3.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.44 |
| | 500 Hz | 101.60 | 0.00 | | 82.18 | 6.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.43 |
| | 1000 Hz | 94.50 | 0.00 | | 82.18 | 13.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.07 |
| | 2000 Hz | 88.00 | 0.00 | | 82.18 | 35.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.20 |
| | 4000 Hz | 85.30 | 0.00 | | 82.18 | 118.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.64 |
| | 8000 Hz | 79.90 | 0.00 | | 82.18 | 423.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -422.85 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.67 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.47 |
| | 125 Hz | 110.80 | 0.00 | | 82.67 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.56 |
| | 250 Hz | 105.10 | 0.00 | | 82.67 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.44 |
| | 500 Hz | 102.60 | 0.00 | | 82.67 | 7.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.55 |
| | 1000 Hz | 99.60 | 0.00 | | 82.67 | 14.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.92 |
| | 2000 Hz | 93.10 | 0.00 | | 82.67 | 37.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.60 |
| | 4000 Hz | 80.70 | 0.00 | | 82.67 | 125.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.55 |
| | 8000 Hz | 77.00 | 0.00 | | 82.67 | 447.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -450.56 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.16 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.94 |
| | 125 Hz | 110.80 | 0.00 | | 83.16 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.97 |
| | 250 Hz | 105.10 | 0.00 | | 83.16 | 4.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.70 |
| | 500 Hz | 102.60 | 0.00 | | 83.16 | 7.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.62 |
| | 1000 Hz | 99.60 | 0.00 | | 83.16 | 14.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.60 |
| | 2000 Hz | 93.10 | 0.00 | | 83.16 | 39.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.28 |
| | 4000 Hz | 80.70 | 0.00 | | 83.16 | 132.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.44 |
| | 8000 Hz | 77.00 | 0.00 | | 83.16 | 474.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -477.43 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.61 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.47 |
| | 125 Hz | 110.80 | 0.00 | | 83.61 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.44 |
| | 250 Hz | 105.10 | 0.00 | | 83.61 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.04 |
| | 500 Hz | 102.60 | 0.00 | | 83.61 | 8.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.76 |
| | 1000 Hz | 99.60 | 0.00 | | 83.61 | 15.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.37 |
| | 2000 Hz | 93.10 | 0.00 | | 83.61 | 41.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.78 |
| | 4000 Hz | 80.70 | 0.00 | | 83.61 | 139.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.87 |
| | 8000 Hz | 77.00 | 0.00 | | 83.61 | 499.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -502.79 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 81.26 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.74 |
| | 125 Hz | 104.80 | 0.00 | | 81.26 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.20 |
| | 250 Hz | 99.40 | 0.00 | | 81.26 | 3.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.74 |
| | 500 Hz | 95.00 | 0.00 | | 81.26 | 6.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.45 |
| | 1000 Hz | 93.20 | 0.00 | | 81.26 | 11.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.02 |
| | 2000 Hz | 89.10 | 0.00 | | 81.26 | 31.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.67 |
| | 4000 Hz | 83.90 | 0.00 | | 81.26 | 106.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.19 |
| | 8000 Hz | 82.20 | 0.00 | | 81.26 | 381.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -377.09 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.10 | 0.78 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 27.09 |
| | 125 Hz | 111.00 | 0.00 | | 87.10 | 2.62 | -3.00 | 0.00 | 0.00 | 1.23 | 0.00 | | 23.05 |
| | 250 Hz | 106.60 | 0.00 | | 87.10 | 6.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.85 |
| | 500 Hz | 103.70 | 0.00 | | 87.10 | 12.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.30 |
| | 1000 Hz | 99.80 | 0.00 | | 87.10 | 23.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.63 |
| | 2000 Hz | 95.60 | 0.00 | | 87.10 | 61.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.17 |
| | 4000 Hz | 86.90 | 0.00 | | 87.10 | 209.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -206.32 |
| | 8000 Hz | 65.40 | 0.00 | | 87.10 | 745.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -764.58 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.25 | 0.70 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | | 28.05 |
| | 125 Hz | 111.00 | 0.00 | | 86.25 | 2.38 | -3.00 | 0.00 | 0.00 | 1.12 | 0.00 | | 24.26 |
| | 250 Hz | 106.60 | 0.00 | | 86.25 | 6.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.32 |
| | 500 Hz | 103.70 | 0.00 | | 86.25 | 11.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.30 |
| | 1000 Hz | 99.80 | 0.00 | | 86.25 | 21.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.60 |
| | 2000 Hz | 95.60 | 0.00 | | 86.25 | 55.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.56 |
| | 4000 Hz | 86.90 | 0.00 | | 86.25 | 189.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -185.95 |
| | 8000 Hz | 65.40 | 0.00 | | 86.25 | 676.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -694.09 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.91 | 0.60 | -3.00 | 0.00 | 0.00 | 3.21 | 0.00 | | 29.58 |
| | 125 Hz | 111.00 | 0.00 | | 84.91 | 2.04 | -3.00 | 0.00 | 0.00 | 0.81 | 0.00 | | 26.24 |
| | 250 Hz | 106.60 | 0.00 | | 84.91 | 5.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.52 |
| | 500 Hz | 103.70 | 0.00 | | 84.91 | 9.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.24 |
| | 1000 Hz | 99.80 | 0.00 | | 84.91 | 18.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.24 |
| | 2000 Hz | 95.60 | 0.00 | | 84.91 | 47.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.23 |
| | 4000 Hz | 86.90 | 0.00 | | 84.91 | 162.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.51 |
| | 8000 Hz | 65.40 | 0.00 | | 84.91 | 579.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -596.12 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.02 | 0.61 | -3.00 | 0.00 | 0.00 | 3.20 | 0.00 | | 29.07 |
| | 125 Hz | 110.20 | 0.00 | | 85.02 | 2.07 | -3.00 | 0.00 | 0.00 | 0.76 | 0.00 | | 25.35 |
| | 250 Hz | 105.30 | 0.00 | | 85.02 | 5.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.03 |
| | 500 Hz | 102.70 | 0.00 | | 85.02 | 9.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.99 |
| | 1000 Hz | 99.80 | 0.00 | | 85.02 | 18.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.61 |
| | 2000 Hz | 95.50 | 0.00 | | 85.02 | 48.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.11 |
| | 4000 Hz | 84.90 | 0.00 | | 85.02 | 164.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.87 |
| | 8000 Hz | 61.80 | 0.00 | | 85.02 | 587.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -607.81 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.29 | 0.63 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | | 28.79 |
| | 125 Hz | 110.20 | 0.00 | | 85.29 | 2.13 | -3.00 | 0.00 | 0.00 | 0.72 | 0.00 | | 25.06 |
| | 250 Hz | 105.30 | 0.00 | | 85.29 | 5.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.60 |
| | 500 Hz | 102.70 | 0.00 | | 85.29 | 9.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.42 |
| | 1000 Hz | 99.80 | 0.00 | | 85.29 | 18.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.44 |
| | 2000 Hz | 95.50 | 0.00 | | 85.29 | 50.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.87 |
| | 4000 Hz | 84.90 | 0.00 | | 85.29 | 169.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -167.23 |
| | 8000 Hz | 61.80 | 0.00 | | 85.29 | 605.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -626.25 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.13 | 0.55 | -3.00 | 0.00 | 0.00 | 3.11 | 0.00 | | 30.51 |
| | 125 Hz | 111.00 | 0.00 | | 84.13 | 1.86 | -3.00 | 0.00 | 0.00 | 0.44 | 0.00 | | 27.56 |
| | 250 Hz | 106.60 | 0.00 | | 84.13 | 4.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.73 |
| | 500 Hz | 103.70 | 0.00 | | 84.13 | 8.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.82 |
| | 1000 Hz | 99.80 | 0.00 | | 84.13 | 16.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.08 |
| | 2000 Hz | 95.60 | 0.00 | | 84.13 | 43.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.37 |
| | 4000 Hz | 86.90 | 0.00 | | 84.13 | 148.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -142.90 |
| | 8000 Hz | 65.40 | 0.00 | | 84.13 | 530.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -545.98 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.47 | 0.57 | -3.00 | 0.00 | 0.00 | 3.09 | 0.00 | | 30.17 |
| | 125 Hz | 111.00 | 0.00 | | 84.47 | 1.94 | -3.00 | 0.00 | 0.00 | 0.38 | 0.00 | | 27.21 |
| | 250 Hz | 106.60 | 0.00 | | 84.47 | 4.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.22 |
| | 500 Hz | 103.70 | 0.00 | | 84.47 | 9.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.15 |
| | 1000 Hz | 99.80 | 0.00 | | 84.47 | 17.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.09 |
| | 2000 Hz | 95.60 | 0.00 | | 84.47 | 45.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.43 |
| | 4000 Hz | 86.90 | 0.00 | | 84.47 | 154.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -149.06 |
| | 8000 Hz | 65.40 | 0.00 | | 84.47 | 551.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -567.10 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.66 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.73 |
| | 125 Hz | 104.80 | 0.00 | | 81.66 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.74 |
| | 250 Hz | 101.20 | 0.00 | | 81.66 | 3.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.98 |
| | 500 Hz | 96.80 | 0.00 | | 81.66 | 6.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.57 |
| | 1000 Hz | 92.70 | 0.00 | | 81.66 | 12.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.57 |
| | 2000 Hz | 90.50 | 0.00 | | 81.66 | 32.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.12 |
| | 4000 Hz | 84.90 | 0.00 | | 81.66 | 111.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.55 |
| | 8000 Hz | 70.70 | 0.00 | | 81.66 | 398.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -406.68 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.37 | 0.45 | -3.00 | 0.00 | 0.00 | 2.69 | 0.00 | | 26.69 |
| | 125 Hz | 106.90 | 0.00 | | 82.37 | 1.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.00 |
| | 250 Hz | 104.10 | 0.00 | | 82.37 | 3.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.86 |
| | 500 Hz | 100.40 | 0.00 | | 82.37 | 7.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.89 |
| | 1000 Hz | 96.10 | 0.00 | | 82.37 | 13.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.18 |
| | 2000 Hz | 90.70 | 0.00 | | 82.37 | 35.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.48 |
| | 4000 Hz | 83.90 | 0.00 | | 82.37 | 121.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.89 |
| | 8000 Hz | 75.80 | 0.00 | | 82.37 | 433.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.61 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.23 | 0.40 | -3.00 | 0.00 | 0.00 | 1.93 | 0.00 | | 30.64 |
| | 125 Hz | 108.80 | 0.00 | | 81.23 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.24 |
| | 250 Hz | 106.10 | 0.00 | | 81.23 | 3.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.48 |
| | 500 Hz | 102.40 | 0.00 | | 81.23 | 6.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.91 |
| | 1000 Hz | 98.10 | 0.00 | | 81.23 | 11.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.99 |
| | 2000 Hz | 92.80 | 0.00 | | 81.23 | 31.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.81 |
| | 4000 Hz | 85.90 | 0.00 | | 81.23 | 106.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.76 |
| | 8000 Hz | 77.90 | 0.00 | | 81.23 | 379.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -379.93 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 80.72 | 0.37 | -3.00 | 0.00 | 0.00 | 1.12 | 0.00 | | 29.99 |
| | 125 Hz | 106.90 | 0.00 | | 80.72 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.92 |
| | 250 Hz | 104.10 | 0.00 | | 80.72 | 3.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.19 |
| | 500 Hz | 100.40 | 0.00 | | 80.72 | 5.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.78 |
| | 1000 Hz | 96.10 | 0.00 | | 80.72 | 11.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.18 |
| | 2000 Hz | 90.70 | 0.00 | | 80.72 | 29.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.61 |
| | 4000 Hz | 83.90 | 0.00 | | 80.72 | 100.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.17 |
| | 8000 Hz | 75.80 | 0.00 | | 80.72 | 357.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -359.84 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.94 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.05 |
| | 125 Hz | 108.80 | 0.00 | | 75.94 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.14 |
| | 250 Hz | 106.10 | 0.00 | | 75.94 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.32 |
| | 500 Hz | 102.40 | 0.00 | | 75.94 | 3.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.06 |
| | 1000 Hz | 98.10 | 0.00 | | 75.94 | 6.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.70 |
| | 2000 Hz | 92.80 | 0.00 | | 75.94 | 17.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.80 |
| | 4000 Hz | 85.90 | 0.00 | | 75.94 | 57.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.91 |
| | 8000 Hz | 77.90 | 0.00 | | 75.94 | 206.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -201.43 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.35 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.59 |
| | 125 Hz | 110.70 | 0.00 | | 73.35 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.82 |
| | 250 Hz | 108.00 | 0.00 | | 73.35 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.29 |
| | 500 Hz | 104.50 | 0.00 | | 73.35 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.63 |
| | 1000 Hz | 100.10 | 0.00 | | 73.35 | 4.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.96 |
| | 2000 Hz | 94.80 | 0.00 | | 73.35 | 12.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.79 |
| | 4000 Hz | 87.90 | 0.00 | | 73.35 | 42.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.39 |
| | 8000 Hz | 79.90 | 0.00 | | 73.35 | 153.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.60 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 72.36 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.80 |
| | 125 Hz | 110.90 | 0.00 | | 72.36 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.06 |
| | 250 Hz | 108.10 | 0.00 | | 72.36 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.53 |
| | 500 Hz | 104.40 | 0.00 | | 72.36 | 2.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.79 |
| | 1000 Hz | 100.10 | 0.00 | | 72.36 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.47 |
| | 2000 Hz | 94.80 | 0.00 | | 72.36 | 11.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.15 |
| | 4000 Hz | 88.00 | 0.00 | | 72.36 | 38.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.67 |
| | 8000 Hz | 80.00 | 0.00 | | 72.36 | 136.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.00 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 68.87 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.13 |
| | 125 Hz | 110.70 | 0.00 | | 68.87 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.51 |
| | 250 Hz | 108.00 | 0.00 | | 68.87 | 0.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.31 |
| | 500 Hz | 104.50 | 0.00 | | 68.87 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.12 |
| | 1000 Hz | 100.10 | 0.00 | | 68.87 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.36 |
| | 2000 Hz | 94.80 | 0.00 | | 68.87 | 7.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.36 |
| | 4000 Hz | 87.90 | 0.00 | | 68.87 | 25.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.63 |
| | 8000 Hz | 79.90 | 0.00 | | 68.87 | 91.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -77.49 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 72.56 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.60 |
| | 125 Hz | 110.90 | 0.00 | | 72.56 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.85 |
| | 250 Hz | 108.10 | 0.00 | | 72.56 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.29 |
| | 500 Hz | 104.40 | 0.00 | | 72.56 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.54 |
| | 1000 Hz | 100.10 | 0.00 | | 72.56 | 4.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.17 |
| | 2000 Hz | 94.80 | 0.00 | | 72.56 | 11.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.68 |
| | 4000 Hz | 88.00 | 0.00 | | 72.56 | 39.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.78 |
| | 8000 Hz | 80.00 | 0.00 | | 72.56 | 139.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -129.44 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 71.97 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.00 |
| | 125 Hz | 110.70 | 0.00 | | 71.97 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.27 |
| | 250 Hz | 108.00 | 0.00 | | 71.97 | 1.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.87 |
| | 500 Hz | 104.50 | 0.00 | | 71.97 | 2.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.38 |
| | 1000 Hz | 100.10 | 0.00 | | 71.97 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.04 |
| | 2000 Hz | 94.80 | 0.00 | | 71.97 | 10.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.03 |
| | 4000 Hz | 87.90 | 0.00 | | 71.97 | 36.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.70 |
| | 8000 Hz | 79.90 | 0.00 | | 71.97 | 130.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -119.74 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt012 | IP K | 378947.98 | 5777583.42 | 63.348 | 43.78 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 81.23 | 6.25 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 7.79 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 79.19 | 4.94 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 | 9.20 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.67 | 5.86 | 4.49 | 0.00 | 0.00 | 0.28 | 0.00 | 6.70 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 82.69 | 7.39 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -90.81 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|------|-------|------|-------|------|------|-------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 85.85 | 0.67 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 15.93 |
| | 125 Hz | 102.50 | 0.00 | | 85.85 | 2.27 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | 12.66 |
| | 250 Hz | 99.20 | 0.00 | | 85.85 | 5.77 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | 5.92 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 96.00 | 0.00 | | 85.85 | 10.65 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | | -2.07 |
| | 1000 Hz | 92.30 | 0.00 | | 85.85 | 20.21 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | -15.11 |
| | 2000 Hz | 89.10 | 0.00 | | 85.85 | 53.41 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | -51.04 |
| | 4000 Hz | 85.30 | 0.00 | | 85.85 | 181.12 | -3.00 | 0.00 | 0.00 | 2.75 | 0.00 | | -181.42 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 85.82 | 0.67 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | | 19.01 |
| | 125 Hz | 105.50 | 0.00 | | 85.82 | 2.26 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | 15.78 |
| | 250 Hz | 102.20 | 0.00 | | 85.82 | 5.75 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 9.14 |
| | 500 Hz | 99.00 | 0.00 | | 85.82 | 10.62 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 1.36 |
| | 1000 Hz | 95.30 | 0.00 | | 85.82 | 20.15 | -3.00 | 0.00 | 0.00 | 3.55 | 0.00 | | -11.22 |
| | 2000 Hz | 92.10 | 0.00 | | 85.82 | 53.23 | -3.00 | 0.00 | 0.00 | 1.85 | 0.00 | | -45.80 |
| | 4000 Hz | 88.30 | 0.00 | | 85.82 | 180.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -175.04 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.82 | 0.20 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 32.59 |
| | 63 Hz | 116.40 | 0.00 | | 86.82 | 0.75 | -3.00 | 0.00 | 0.00 | 2.53 | 0.00 | | 29.30 |
| | 125 Hz | 110.70 | 0.00 | | 86.82 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.34 |
| | 250 Hz | 104.40 | 0.00 | | 86.82 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.13 |
| | 500 Hz | 101.20 | 0.00 | | 86.82 | 11.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.47 |
| | 1000 Hz | 99.40 | 0.00 | | 86.82 | 22.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.02 |
| | 2000 Hz | 93.80 | 0.00 | | 86.82 | 59.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.74 |
| | 4000 Hz | 86.70 | 0.00 | | 86.82 | 202.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.66 |
| | 8000 Hz | 78.40 | 0.00 | | 86.82 | 722.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -727.80 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.63 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.65 |
| | 63 Hz | 116.40 | 0.00 | | 82.63 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.31 |
| | 125 Hz | 110.70 | 0.00 | | 82.63 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.50 |
| | 250 Hz | 104.40 | 0.00 | | 82.63 | 3.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.79 |
| | 500 Hz | 101.20 | 0.00 | | 82.63 | 7.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.22 |
| | 1000 Hz | 99.40 | 0.00 | | 82.63 | 13.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.82 |
| | 2000 Hz | 93.80 | 0.00 | | 82.63 | 36.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.69 |
| | 4000 Hz | 86.70 | 0.00 | | 82.63 | 125.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.94 |
| | 8000 Hz | 78.40 | 0.00 | | 82.63 | 445.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -447.11 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.00 | 0.18 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | 32.87 |
| | 63 Hz | 116.40 | 0.00 | | 86.00 | 0.68 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | | 28.83 |
| | 125 Hz | 110.70 | 0.00 | | 86.00 | 2.31 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 22.59 |
| | 250 Hz | 104.40 | 0.00 | | 86.00 | 5.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.54 |
| | 500 Hz | 101.20 | 0.00 | | 86.00 | 10.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.37 |
| | 1000 Hz | 99.40 | 0.00 | | 86.00 | 20.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.16 |
| | 2000 Hz | 93.80 | 0.00 | | 86.00 | 54.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.52 |
| | 4000 Hz | 86.70 | 0.00 | | 86.00 | 184.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -180.53 |
| | 8000 Hz | 78.40 | 0.00 | | 86.00 | 657.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -661.69 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.44 | 0.19 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | 32.09 |
| | 63 Hz | 116.40 | 0.00 | | 86.44 | 0.72 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | | 27.65 |
| | 125 Hz | 110.70 | 0.00 | | 86.44 | 2.43 | -3.00 | 0.00 | 0.00 | 4.40 | 0.00 | | 20.42 |
| | 250 Hz | 104.40 | 0.00 | | 86.44 | 6.17 | -3.00 | 0.00 | 0.00 | 4.00 | 0.00 | | 10.79 |
| | 500 Hz | 101.20 | 0.00 | | 86.44 | 11.41 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | | 3.29 |
| | 1000 Hz | 99.40 | 0.00 | | 86.44 | 21.64 | -3.00 | 0.00 | 0.00 | 0.19 | 0.00 | | -5.87 |
| | 2000 Hz | 93.80 | 0.00 | | 86.44 | 57.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.84 |
| | 4000 Hz | 86.70 | 0.00 | | 86.44 | 193.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.69 |
| | 8000 Hz | 78.40 | 0.00 | | 86.44 | 691.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -696.79 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.03 | 0.16 | -3.00 | 0.00 | 0.00 | 3.25 | 0.00 | | 34.96 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 85.03 | 0.61 | -3.00 | 0.00 | 0.00 | 0.88 | 0.00 | | 32.87 |
| | 125 Hz | 110.70 | 0.00 | | 85.03 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.60 |
| | 250 Hz | 104.40 | 0.00 | | 85.03 | 5.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.12 |
| | 500 Hz | 101.20 | 0.00 | | 85.03 | 9.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.47 |
| | 1000 Hz | 99.40 | 0.00 | | 85.03 | 18.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.04 |
| | 2000 Hz | 93.80 | 0.00 | | 85.03 | 48.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.87 |
| | 4000 Hz | 86.70 | 0.00 | | 85.03 | 164.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -160.26 |
| | 8000 Hz | 78.40 | 0.00 | | 85.03 | 588.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -591.86 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.43 | 0.17 | -3.00 | 0.00 | 0.00 | 3.50 | 0.00 | | 34.30 |
| | 63 Hz | 116.40 | 0.00 | | 85.43 | 0.64 | -3.00 | 0.00 | 0.00 | 1.71 | 0.00 | | 31.62 |
| | 125 Hz | 110.70 | 0.00 | | 85.43 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.10 |
| | 250 Hz | 104.40 | 0.00 | | 85.43 | 5.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.47 |
| | 500 Hz | 101.20 | 0.00 | | 85.43 | 10.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.61 |
| | 1000 Hz | 99.40 | 0.00 | | 85.43 | 19.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.30 |
| | 2000 Hz | 93.80 | 0.00 | | 85.43 | 50.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.54 |
| | 4000 Hz | 86.70 | 0.00 | | 85.43 | 172.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -168.38 |
| | 8000 Hz | 78.40 | 0.00 | | 85.43 | 615.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -619.80 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.38 | 0.19 | -3.00 | 0.00 | 0.00 | 4.36 | 0.00 | | 32.47 |
| | 63 Hz | 116.40 | 0.00 | | 86.38 | 0.72 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 28.40 |
| | 125 Hz | 110.70 | 0.00 | | 86.38 | 2.42 | -3.00 | 0.00 | 0.00 | 2.84 | 0.00 | | 22.07 |
| | 250 Hz | 104.40 | 0.00 | | 86.38 | 6.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.89 |
| | 500 Hz | 101.20 | 0.00 | | 86.38 | 11.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.49 |
| | 1000 Hz | 99.40 | 0.00 | | 86.38 | 21.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.47 |
| | 2000 Hz | 93.80 | 0.00 | | 86.38 | 56.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.38 |
| | 4000 Hz | 86.70 | 0.00 | | 86.38 | 192.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -189.28 |
| | 8000 Hz | 78.40 | 0.00 | | 86.38 | 686.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -691.91 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.06 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.16 |
| | 63 Hz | 116.40 | 0.00 | | 86.06 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.65 |
| | 125 Hz | 110.70 | 0.00 | | 86.06 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.31 |
| | 250 Hz | 104.40 | 0.00 | | 86.06 | 5.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.43 |
| | 500 Hz | 101.20 | 0.00 | | 86.06 | 10.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.22 |
| | 1000 Hz | 99.40 | 0.00 | | 86.06 | 20.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.38 |
| | 2000 Hz | 93.80 | 0.00 | | 86.06 | 54.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.00 |
| | 4000 Hz | 86.70 | 0.00 | | 86.06 | 185.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.00 |
| | 8000 Hz | 78.40 | 0.00 | | 86.06 | 662.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -666.75 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.55 | 0.17 | -3.00 | 0.00 | 0.00 | 1.94 | 0.00 | | 32.44 |
| | 63 Hz | 113.10 | 0.00 | | 85.55 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.90 |
| | 125 Hz | 107.40 | 0.00 | | 85.55 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.65 |
| | 250 Hz | 101.10 | 0.00 | | 85.55 | 5.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.97 |
| | 500 Hz | 97.90 | 0.00 | | 85.55 | 10.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.05 |
| | 1000 Hz | 96.10 | 0.00 | | 85.55 | 19.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.99 |
| | 2000 Hz | 90.50 | 0.00 | | 85.55 | 51.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.68 |
| | 4000 Hz | 83.40 | 0.00 | | 85.55 | 175.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -174.24 |
| | 8000 Hz | 75.10 | 0.00 | | 85.55 | 624.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -631.92 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.36 | 0.19 | -3.00 | 0.00 | 0.00 | 2.99 | 0.00 | | 33.86 |
| | 63 Hz | 116.40 | 0.00 | | 86.36 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.33 |
| | 125 Hz | 110.70 | 0.00 | | 86.36 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.93 |
| | 250 Hz | 104.40 | 0.00 | | 86.36 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.92 |
| | 500 Hz | 101.20 | 0.00 | | 86.36 | 11.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.54 |
| | 1000 Hz | 99.40 | 0.00 | | 86.36 | 21.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.40 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 93.80 | 0.00 | | 86.36 | 56.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.22 |
| | 4000 Hz | 86.70 | 0.00 | | 86.36 | 192.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -188.81 |
| | 8000 Hz | 78.40 | 0.00 | | 86.36 | 685.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -690.29 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.93 | 0.20 | -3.00 | 0.00 | 0.00 | 4.18 | 0.00 | | 32.10 |
| | 63 Hz | 116.40 | 0.00 | | 86.93 | 0.76 | -3.00 | 0.00 | 0.00 | 3.49 | 0.00 | | 28.23 |
| | 125 Hz | 110.70 | 0.00 | | 86.93 | 2.57 | -3.00 | 0.00 | 0.00 | 1.69 | 0.00 | | 22.52 |
| | 250 Hz | 104.40 | 0.00 | | 86.93 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.95 |
| | 500 Hz | 101.20 | 0.00 | | 86.93 | 12.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.21 |
| | 1000 Hz | 99.40 | 0.00 | | 86.93 | 22.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.41 |
| | 2000 Hz | 93.80 | 0.00 | | 86.93 | 60.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.59 |
| | 4000 Hz | 86.70 | 0.00 | | 86.93 | 205.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.28 |
| | 8000 Hz | 78.40 | 0.00 | | 86.93 | 731.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -736.89 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 83.01 | 0.49 | -3.00 | 0.00 | 0.00 | 0.46 | 0.00 | | 27.74 |
| | 125 Hz | 104.80 | 0.00 | | 83.01 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.15 |
| | 250 Hz | 101.50 | 0.00 | | 83.01 | 4.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.33 |
| | 500 Hz | 97.10 | 0.00 | | 83.01 | 7.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.40 |
| | 1000 Hz | 91.00 | 0.00 | | 83.01 | 14.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.60 |
| | 2000 Hz | 86.30 | 0.00 | | 83.01 | 38.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.26 |
| | 4000 Hz | 80.30 | 0.00 | | 83.01 | 130.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.42 |
| | 8000 Hz | 74.00 | 0.00 | | 83.01 | 466.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -472.19 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.73 | 0.14 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 30.97 |
| | 63 Hz | 113.00 | 0.00 | | 83.73 | 0.53 | -3.00 | 0.00 | 0.00 | 0.56 | 0.00 | | 31.18 |
| | 125 Hz | 108.60 | 0.00 | | 83.73 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.09 |
| | 250 Hz | 105.70 | 0.00 | | 83.73 | 4.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.45 |
| | 500 Hz | 101.70 | 0.00 | | 83.73 | 8.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.63 |
| | 1000 Hz | 95.50 | 0.00 | | 83.73 | 15.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.07 |
| | 2000 Hz | 89.70 | 0.00 | | 83.73 | 41.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.88 |
| | 4000 Hz | 82.20 | 0.00 | | 83.73 | 141.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.44 |
| | 8000 Hz | 74.00 | 0.00 | | 83.73 | 506.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -512.87 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.96 | 0.14 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 29.89 |
| | 63 Hz | 113.00 | 0.00 | | 83.96 | 0.54 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 28.42 |
| | 125 Hz | 108.60 | 0.00 | | 83.96 | 1.83 | -3.00 | 0.00 | 0.00 | 0.34 | 0.00 | | 25.48 |
| | 250 Hz | 105.70 | 0.00 | | 83.96 | 4.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.11 |
| | 500 Hz | 101.70 | 0.00 | | 83.96 | 8.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.18 |
| | 1000 Hz | 95.50 | 0.00 | | 83.96 | 16.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.71 |
| | 2000 Hz | 89.70 | 0.00 | | 83.96 | 42.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.21 |
| | 4000 Hz | 82.20 | 0.00 | | 83.96 | 145.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.41 |
| | 8000 Hz | 74.00 | 0.00 | | 83.96 | 519.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -526.47 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 80.25 | 0.09 | -3.00 | 0.00 | 0.00 | 1.57 | 0.00 | | 35.99 |
| | 63 Hz | 111.30 | 0.00 | | 80.25 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.70 |
| | 125 Hz | 107.40 | 0.00 | | 80.25 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.96 |
| | 250 Hz | 102.80 | 0.00 | | 80.25 | 3.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.53 |
| | 500 Hz | 99.70 | 0.00 | | 80.25 | 5.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.86 |
| | 1000 Hz | 96.60 | 0.00 | | 80.25 | 10.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.75 |
| | 2000 Hz | 91.70 | 0.00 | | 80.25 | 28.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.57 |
| | 4000 Hz | 85.00 | 0.00 | | 80.25 | 95.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.28 |
| | 8000 Hz | 87.30 | 0.00 | | 80.25 | 338.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -328.90 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.50 | 0.51 | -3.00 | 0.00 | 0.00 | 1.08 | 0.00 | | 29.82 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 108.60 | 0.00 | | 83.50 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.37 |
| | 250 Hz | 103.40 | 0.00 | | 83.50 | 4.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.51 |
| | 500 Hz | 99.10 | 0.00 | | 83.50 | 8.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.48 |
| | 1000 Hz | 98.00 | 0.00 | | 83.50 | 15.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.09 |
| | 2000 Hz | 89.80 | 0.00 | | 83.50 | 40.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.44 |
| | 4000 Hz | 85.30 | 0.00 | | 83.50 | 138.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.35 |
| | 8000 Hz | 80.10 | 0.00 | | 83.50 | 492.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -493.15 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.25 | 0.13 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | | 34.92 |
| | 63 Hz | 112.30 | 0.00 | | 83.25 | 0.50 | -3.00 | 0.00 | 0.00 | 1.05 | 0.00 | | 30.50 |
| | 125 Hz | 108.10 | 0.00 | | 83.25 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.16 |
| | 250 Hz | 103.50 | 0.00 | | 83.25 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.97 |
| | 500 Hz | 100.70 | 0.00 | | 83.25 | 7.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.54 |
| | 1000 Hz | 98.30 | 0.00 | | 83.25 | 14.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.05 |
| | 2000 Hz | 93.80 | 0.00 | | 83.25 | 39.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.08 |
| | 4000 Hz | 86.20 | 0.00 | | 83.25 | 134.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.42 |
| | 8000 Hz | 78.20 | 0.00 | | 83.25 | 479.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -481.28 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 82.59 | 0.12 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | | 35.52 |
| | 63 Hz | 111.70 | 0.00 | | 82.59 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.65 |
| | 125 Hz | 106.40 | 0.00 | | 82.59 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.25 |
| | 250 Hz | 102.10 | 0.00 | | 82.59 | 3.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.55 |
| | 500 Hz | 99.10 | 0.00 | | 82.59 | 7.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.19 |
| | 1000 Hz | 96.90 | 0.00 | | 82.59 | 13.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.42 |
| | 2000 Hz | 90.50 | 0.00 | | 82.59 | 36.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.80 |
| | 4000 Hz | 81.00 | 0.00 | | 82.59 | 124.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -123.08 |
| | 8000 Hz | 76.50 | 0.00 | | 82.59 | 443.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -447.08 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 84.46 | 0.15 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | | 32.73 |
| | 63 Hz | 110.40 | 0.00 | | 84.46 | 0.57 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | | 24.93 |
| | 125 Hz | 107.20 | 0.00 | | 84.46 | 1.94 | -3.00 | 0.00 | 0.00 | 1.56 | 0.00 | | 22.25 |
| | 250 Hz | 101.70 | 0.00 | | 84.46 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.33 |
| | 500 Hz | 98.20 | 0.00 | | 84.46 | 9.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.66 |
| | 1000 Hz | 95.60 | 0.00 | | 84.46 | 17.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.08 |
| | 2000 Hz | 93.70 | 0.00 | | 84.46 | 45.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.27 |
| | 4000 Hz | 90.70 | 0.00 | | 84.46 | 154.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -145.11 |
| | 8000 Hz | 79.50 | 0.00 | | 84.46 | 550.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -552.46 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.88 | 0.14 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | | 28.83 |
| | 63 Hz | 111.60 | 0.00 | | 83.88 | 0.54 | -3.00 | 0.00 | 0.00 | 2.93 | 0.00 | | 27.25 |
| | 125 Hz | 108.60 | 0.00 | | 83.88 | 1.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.91 |
| | 250 Hz | 106.50 | 0.00 | | 83.88 | 4.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.02 |
| | 500 Hz | 102.90 | 0.00 | | 83.88 | 8.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.52 |
| | 1000 Hz | 99.60 | 0.00 | | 83.88 | 16.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.60 |
| | 2000 Hz | 95.90 | 0.00 | | 83.88 | 42.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.57 |
| | 4000 Hz | 90.10 | 0.00 | | 83.88 | 144.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -135.22 |
| | 8000 Hz | 76.30 | 0.00 | | 83.88 | 515.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -519.73 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.32 | 0.15 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | | 28.38 |
| | 63 Hz | 111.60 | 0.00 | | 84.32 | 0.56 | -3.00 | 0.00 | 0.00 | 2.94 | 0.00 | | 26.77 |
| | 125 Hz | 108.60 | 0.00 | | 84.32 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.37 |
| | 250 Hz | 106.50 | 0.00 | | 84.32 | 4.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.34 |
| | 500 Hz | 102.90 | 0.00 | | 84.32 | 8.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.64 |
| | 1000 Hz | 99.60 | 0.00 | | 84.32 | 16.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.32 |
| | 2000 Hz | 95.90 | 0.00 | | 84.32 | 44.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.23 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 90.10 | 0.00 | | 84.32 | 151.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.16 |
| | 8000 Hz | 76.30 | 0.00 | | 84.32 | 541.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -546.92 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.22 | 0.12 | -3.00 | 0.00 | 0.00 | 3.85 | 0.00 | | 30.61 |
| | 63 Hz | 111.60 | 0.00 | | 82.22 | 0.44 | -3.00 | 0.00 | 0.00 | 2.69 | 0.00 | | 29.25 |
| | 125 Hz | 108.60 | 0.00 | | 82.22 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.88 |
| | 250 Hz | 106.50 | 0.00 | | 82.22 | 3.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.48 |
| | 500 Hz | 102.90 | 0.00 | | 82.22 | 7.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.66 |
| | 1000 Hz | 99.60 | 0.00 | | 82.22 | 13.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.07 |
| | 2000 Hz | 95.90 | 0.00 | | 82.22 | 35.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.50 |
| | 4000 Hz | 90.10 | 0.00 | | 82.22 | 119.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.42 |
| | 8000 Hz | 76.30 | 0.00 | | 82.22 | 425.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -428.42 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.36 | 0.12 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 30.43 |
| | 63 Hz | 111.60 | 0.00 | | 82.36 | 0.45 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 28.99 |
| | 125 Hz | 108.60 | 0.00 | | 82.36 | 1.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.72 |
| | 250 Hz | 106.50 | 0.00 | | 82.36 | 3.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.28 |
| | 500 Hz | 102.90 | 0.00 | | 82.36 | 7.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.41 |
| | 1000 Hz | 99.60 | 0.00 | | 82.36 | 13.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.71 |
| | 2000 Hz | 95.90 | 0.00 | | 82.36 | 35.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.21 |
| | 4000 Hz | 90.10 | 0.00 | | 82.36 | 121.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.48 |
| | 8000 Hz | 76.30 | 0.00 | | 82.36 | 432.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -435.42 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.21 | 0.13 | -3.00 | 0.00 | 0.00 | 3.94 | 0.00 | | 29.52 |
| | 63 Hz | 111.60 | 0.00 | | 83.21 | 0.50 | -3.00 | 0.00 | 0.00 | 2.92 | 0.00 | | 27.97 |
| | 125 Hz | 108.60 | 0.00 | | 83.21 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.71 |
| | 250 Hz | 106.50 | 0.00 | | 83.21 | 4.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.03 |
| | 500 Hz | 102.90 | 0.00 | | 83.21 | 7.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.83 |
| | 1000 Hz | 99.60 | 0.00 | | 83.21 | 14.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.47 |
| | 2000 Hz | 95.90 | 0.00 | | 83.21 | 39.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.73 |
| | 4000 Hz | 90.10 | 0.00 | | 83.21 | 133.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -123.80 |
| | 8000 Hz | 76.30 | 0.00 | | 83.21 | 476.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -480.73 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.86 | 0.10 | -3.00 | 0.00 | 0.00 | 3.77 | 0.00 | | 32.07 |
| | 63 Hz | 111.60 | 0.00 | | 80.86 | 0.38 | -3.00 | 0.00 | 0.00 | 2.46 | 0.00 | | 30.90 |
| | 125 Hz | 108.60 | 0.00 | | 80.86 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.46 |
| | 250 Hz | 106.50 | 0.00 | | 80.86 | 3.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.39 |
| | 500 Hz | 102.90 | 0.00 | | 80.86 | 6.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.04 |
| | 1000 Hz | 99.60 | 0.00 | | 80.86 | 11.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.36 |
| | 2000 Hz | 95.90 | 0.00 | | 80.86 | 30.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.04 |
| | 4000 Hz | 90.10 | 0.00 | | 80.86 | 102.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.76 |
| | 8000 Hz | 76.30 | 0.00 | | 80.86 | 363.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -365.34 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.52 | 0.11 | -3.00 | 0.00 | 0.00 | 3.61 | 0.00 | | 31.56 |
| | 63 Hz | 111.60 | 0.00 | | 81.52 | 0.41 | -3.00 | 0.00 | 0.00 | 2.02 | 0.00 | | 30.65 |
| | 125 Hz | 108.60 | 0.00 | | 81.52 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.70 |
| | 250 Hz | 106.50 | 0.00 | | 81.52 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.48 |
| | 500 Hz | 102.90 | 0.00 | | 81.52 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.91 |
| | 1000 Hz | 99.60 | 0.00 | | 81.52 | 12.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.80 |
| | 2000 Hz | 95.90 | 0.00 | | 81.52 | 32.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.08 |
| | 4000 Hz | 90.10 | 0.00 | | 81.52 | 110.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.48 |
| | 8000 Hz | 76.30 | 0.00 | | 81.52 | 392.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -394.77 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.55 | 0.12 | -3.00 | 0.00 | 0.00 | 3.86 | 0.00 | | 30.27 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 111.60 | 0.00 | | 82.55 | 0.46 | -3.00 | 0.00 | 0.00 | 2.70 | 0.00 | | 28.89 |
| | 125 Hz | 108.60 | 0.00 | | 82.55 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.49 |
| | 250 Hz | 106.50 | 0.00 | | 82.55 | 3.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.00 |
| | 500 Hz | 102.90 | 0.00 | | 82.55 | 7.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.06 |
| | 1000 Hz | 99.60 | 0.00 | | 82.55 | 13.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.22 |
| | 2000 Hz | 95.90 | 0.00 | | 82.55 | 36.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.20 |
| | 4000 Hz | 90.10 | 0.00 | | 82.55 | 123.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.40 |
| | 8000 Hz | 76.30 | 0.00 | | 82.55 | 442.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -445.31 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 85.87 | 0.67 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | -80.99 |
| | 125 Hz | 5.20 | 0.00 | | 85.87 | 2.28 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | -83.83 |
| | 250 Hz | 1.90 | 0.00 | | 85.87 | 5.78 | -3.00 | 0.00 | 0.00 | 2.77 | 0.00 | | -89.52 |
| | 500 Hz | -1.30 | 0.00 | | 85.87 | 10.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.85 |
| | 1000 Hz | -5.00 | 0.00 | | 85.87 | 20.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.13 |
| | 2000 Hz | -8.20 | 0.00 | | 85.87 | 53.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.61 |
| | 4000 Hz | -12.00 | 0.00 | | 85.87 | 181.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -276.42 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 81.75 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.03 |
| | 125 Hz | 106.50 | 0.00 | | 81.75 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.33 |
| | 250 Hz | 103.20 | 0.00 | | 81.75 | 3.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.85 |
| | 500 Hz | 100.00 | 0.00 | | 81.75 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.60 |
| | 1000 Hz | 96.30 | 0.00 | | 81.75 | 12.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.93 |
| | 2000 Hz | 93.10 | 0.00 | | 81.75 | 33.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.98 |
| | 4000 Hz | 89.30 | 0.00 | | 81.75 | 113.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.48 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.79 | 0.18 | -3.00 | 0.00 | 0.00 | 4.22 | 0.00 | | 27.61 |
| | 63 Hz | 110.90 | 0.00 | | 85.79 | 0.67 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | 23.86 |
| | 125 Hz | 108.00 | 0.00 | | 85.79 | 2.26 | -3.00 | 0.00 | 0.00 | 1.97 | 0.00 | | 20.98 |
| | 250 Hz | 103.80 | 0.00 | | 85.79 | 5.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.28 |
| | 500 Hz | 101.90 | 0.00 | | 85.79 | 10.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.52 |
| | 1000 Hz | 98.90 | 0.00 | | 85.79 | 20.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.98 |
| | 2000 Hz | 94.60 | 0.00 | | 85.79 | 53.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.27 |
| | 4000 Hz | 88.20 | 0.00 | | 85.79 | 180.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -174.60 |
| | 8000 Hz | 78.80 | 0.00 | | 85.79 | 642.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -646.00 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.21 | 0.16 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | | 28.32 |
| | 63 Hz | 110.90 | 0.00 | | 85.21 | 0.62 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 24.73 |
| | 125 Hz | 108.00 | 0.00 | | 85.21 | 2.11 | -3.00 | 0.00 | 0.00 | 1.23 | 0.00 | | 22.45 |
| | 250 Hz | 103.80 | 0.00 | | 85.21 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.24 |
| | 500 Hz | 101.90 | 0.00 | | 85.21 | 9.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.80 |
| | 1000 Hz | 98.90 | 0.00 | | 85.21 | 18.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.08 |
| | 2000 Hz | 94.60 | 0.00 | | 85.21 | 49.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.21 |
| | 4000 Hz | 88.20 | 0.00 | | 85.21 | 168.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.21 |
| | 8000 Hz | 78.80 | 0.00 | | 85.21 | 599.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -603.32 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.61 | 0.17 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 27.76 |
| | 63 Hz | 110.90 | 0.00 | | 85.61 | 0.65 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 23.97 |
| | 125 Hz | 108.00 | 0.00 | | 85.61 | 2.21 | -3.00 | 0.00 | 0.00 | 2.22 | 0.00 | | 20.96 |
| | 250 Hz | 103.80 | 0.00 | | 85.61 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.58 |
| | 500 Hz | 101.90 | 0.00 | | 85.61 | 10.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.93 |
| | 1000 Hz | 98.90 | 0.00 | | 85.61 | 19.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.37 |
| | 2000 Hz | 94.60 | 0.00 | | 85.61 | 51.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.97 |
| | 4000 Hz | 88.20 | 0.00 | | 85.61 | 176.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -170.61 |
| | 8000 Hz | 78.80 | 0.00 | | 85.61 | 628.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -632.26 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.67 | 0.15 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | | 29.79 |
| | 63 Hz | 110.90 | 0.00 | | 84.67 | 0.59 | -3.00 | 0.00 | 0.00 | 0.66 | 0.00 | | 27.98 |
| | 125 Hz | 108.00 | 0.00 | | 84.67 | 1.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.34 |
| | 250 Hz | 103.80 | 0.00 | | 84.67 | 5.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.09 |
| | 500 Hz | 101.90 | 0.00 | | 84.67 | 9.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.92 |
| | 1000 Hz | 98.90 | 0.00 | | 84.67 | 17.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.43 |
| | 2000 Hz | 94.60 | 0.00 | | 84.67 | 46.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.72 |
| | 4000 Hz | 88.20 | 0.00 | | 84.67 | 158.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.66 |
| | 8000 Hz | 78.80 | 0.00 | | 84.67 | 564.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -567.07 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 81.28 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.81 |
| | 63 Hz | 122.10 | 0.00 | | 81.28 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.42 |
| | 125 Hz | 115.00 | 0.00 | | 81.28 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.38 |
| | 250 Hz | 108.00 | 0.00 | | 81.28 | 3.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.31 |
| | 500 Hz | 103.90 | 0.00 | | 81.28 | 6.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.32 |
| | 1000 Hz | 101.60 | 0.00 | | 81.28 | 11.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.37 |
| | 2000 Hz | 96.70 | 0.00 | | 81.28 | 31.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.15 |
| | 4000 Hz | 88.60 | 0.00 | | 81.28 | 107.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.73 |
| | 8000 Hz | 80.90 | 0.00 | | 81.28 | 381.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -379.20 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 81.97 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.10 |
| | 125 Hz | 109.80 | 0.00 | | 81.97 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.38 |
| | 250 Hz | 107.40 | 0.00 | | 81.97 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.75 |
| | 500 Hz | 101.60 | 0.00 | | 81.97 | 6.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.82 |
| | 1000 Hz | 94.50 | 0.00 | | 81.97 | 12.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.61 |
| | 2000 Hz | 88.00 | 0.00 | | 81.97 | 34.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.13 |
| | 4000 Hz | 85.30 | 0.00 | | 81.97 | 115.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.51 |
| | 8000 Hz | 79.90 | 0.00 | | 81.97 | 413.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -412.25 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.45 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.69 |
| | 125 Hz | 110.80 | 0.00 | | 82.45 | 1.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.81 |
| | 250 Hz | 105.10 | 0.00 | | 82.45 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.75 |
| | 500 Hz | 102.60 | 0.00 | | 82.45 | 7.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.95 |
| | 1000 Hz | 99.60 | 0.00 | | 82.45 | 13.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.48 |
| | 2000 Hz | 93.10 | 0.00 | | 82.45 | 36.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.47 |
| | 4000 Hz | 80.70 | 0.00 | | 82.45 | 122.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.24 |
| | 8000 Hz | 77.00 | 0.00 | | 82.45 | 436.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -439.32 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.95 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.17 |
| | 125 Hz | 110.80 | 0.00 | | 82.95 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.23 |
| | 250 Hz | 105.10 | 0.00 | | 82.95 | 4.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.02 |
| | 500 Hz | 102.60 | 0.00 | | 82.95 | 7.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.02 |
| | 1000 Hz | 99.60 | 0.00 | | 82.95 | 14.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.18 |
| | 2000 Hz | 93.10 | 0.00 | | 82.95 | 38.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.10 |
| | 4000 Hz | 80.70 | 0.00 | | 82.95 | 129.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.96 |
| | 8000 Hz | 77.00 | 0.00 | | 82.95 | 462.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -465.60 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.39 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.70 |
| | 125 Hz | 110.80 | 0.00 | | 83.39 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.70 |
| | 250 Hz | 105.10 | 0.00 | | 83.39 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.36 |
| | 500 Hz | 102.60 | 0.00 | | 83.39 | 8.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.18 |
| | 1000 Hz | 99.60 | 0.00 | | 83.39 | 15.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.98 |
| | 2000 Hz | 93.10 | 0.00 | | 83.39 | 40.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.54 |
| | 4000 Hz | 80.70 | 0.00 | | 83.39 | 136.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.19 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 77.00 | 0.00 | | 83.39 | 486.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -490.24 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 81.04 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.97 |
| | 125 Hz | 104.80 | 0.00 | | 81.04 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.45 |
| | 250 Hz | 99.40 | 0.00 | | 81.04 | 3.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.04 |
| | 500 Hz | 95.00 | 0.00 | | 81.04 | 6.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.83 |
| | 1000 Hz | 93.20 | 0.00 | | 81.04 | 11.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.53 |
| | 2000 Hz | 89.10 | 0.00 | | 81.04 | 30.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.67 |
| | 4000 Hz | 83.90 | 0.00 | | 81.04 | 104.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.34 |
| | 8000 Hz | 82.20 | 0.00 | | 81.04 | 371.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -367.45 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.33 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.17 |
| | 125 Hz | 111.00 | 0.00 | | 87.33 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.98 |
| | 250 Hz | 106.60 | 0.00 | | 87.33 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.43 |
| | 500 Hz | 103.70 | 0.00 | | 87.33 | 12.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.73 |
| | 1000 Hz | 99.80 | 0.00 | | 87.33 | 23.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.51 |
| | 2000 Hz | 95.60 | 0.00 | | 87.33 | 63.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.08 |
| | 4000 Hz | 86.90 | 0.00 | | 87.33 | 214.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.27 |
| | 8000 Hz | 65.40 | 0.00 | | 87.33 | 766.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -785.20 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.51 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.06 |
| | 125 Hz | 111.00 | 0.00 | | 86.51 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.04 |
| | 250 Hz | 106.60 | 0.00 | | 86.51 | 6.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.87 |
| | 500 Hz | 103.70 | 0.00 | | 86.51 | 11.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.69 |
| | 1000 Hz | 99.80 | 0.00 | | 86.51 | 21.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.52 |
| | 2000 Hz | 95.60 | 0.00 | | 86.51 | 57.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.55 |
| | 4000 Hz | 86.90 | 0.00 | | 86.51 | 195.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -192.07 |
| | 8000 Hz | 65.40 | 0.00 | | 86.51 | 697.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -715.24 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.20 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.47 |
| | 125 Hz | 111.00 | 0.00 | | 85.20 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.69 |
| | 250 Hz | 106.60 | 0.00 | | 85.20 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.04 |
| | 500 Hz | 103.70 | 0.00 | | 85.20 | 9.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.61 |
| | 1000 Hz | 99.80 | 0.00 | | 85.20 | 18.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.17 |
| | 2000 Hz | 95.60 | 0.00 | | 85.20 | 49.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.19 |
| | 4000 Hz | 86.90 | 0.00 | | 85.20 | 168.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -163.46 |
| | 8000 Hz | 65.40 | 0.00 | | 85.20 | 599.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -616.55 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.30 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.97 |
| | 125 Hz | 110.20 | 0.00 | | 85.30 | 2.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.76 |
| | 250 Hz | 105.30 | 0.00 | | 85.30 | 5.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.58 |
| | 500 Hz | 102.70 | 0.00 | | 85.30 | 10.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.39 |
| | 1000 Hz | 99.80 | 0.00 | | 85.30 | 18.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.48 |
| | 2000 Hz | 95.50 | 0.00 | | 85.30 | 50.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.96 |
| | 4000 Hz | 84.90 | 0.00 | | 85.30 | 170.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -167.50 |
| | 8000 Hz | 61.80 | 0.00 | | 85.30 | 606.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -627.18 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.54 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.71 |
| | 125 Hz | 110.20 | 0.00 | | 85.54 | 2.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.46 |
| | 250 Hz | 105.30 | 0.00 | | 85.54 | 5.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.19 |
| | 500 Hz | 102.70 | 0.00 | | 85.54 | 10.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.87 |
| | 1000 Hz | 99.80 | 0.00 | | 85.54 | 19.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.26 |
| | 2000 Hz | 95.50 | 0.00 | | 85.54 | 51.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.62 |
| | 4000 Hz | 84.90 | 0.00 | | 85.54 | 174.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -172.55 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 8000 Hz | 61.80 | 0.00 | | 85.54 | 623.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -644.58 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.43 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.30 |
| | 125 Hz | 111.00 | 0.00 | | 84.43 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.65 |
| | 250 Hz | 106.60 | 0.00 | | 84.43 | 4.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.28 |
| | 500 Hz | 103.70 | 0.00 | | 84.43 | 9.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.23 |
| | 1000 Hz | 99.80 | 0.00 | | 84.43 | 17.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 |
| | 2000 Hz | 95.60 | 0.00 | | 84.43 | 45.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.17 |
| | 4000 Hz | 86.90 | 0.00 | | 84.43 | 153.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -148.29 |
| | 8000 Hz | 65.40 | 0.00 | | 84.43 | 548.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -564.46 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.73 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.98 |
| | 125 Hz | 111.00 | 0.00 | | 84.73 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.27 |
| | 250 Hz | 106.60 | 0.00 | | 84.73 | 5.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.80 |
| | 500 Hz | 103.70 | 0.00 | | 84.73 | 9.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.60 |
| | 1000 Hz | 99.80 | 0.00 | | 84.73 | 17.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 |
| | 2000 Hz | 95.60 | 0.00 | | 84.73 | 46.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -33.09 |
| | 4000 Hz | 86.90 | 0.00 | | 84.73 | 159.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -154.07 |
| | 8000 Hz | 65.40 | 0.00 | | 84.73 | 567.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -584.29 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.36 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.03 |
| | 125 Hz | 104.80 | 0.00 | | 81.36 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.08 |
| | 250 Hz | 101.20 | 0.00 | | 81.36 | 3.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.39 |
| | 500 Hz | 96.80 | 0.00 | | 81.36 | 6.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.08 |
| | 1000 Hz | 92.70 | 0.00 | | 81.36 | 12.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 |
| | 2000 Hz | 90.50 | 0.00 | | 81.36 | 31.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.74 |
| | 4000 Hz | 84.90 | 0.00 | | 81.36 | 108.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -101.56 |
| | 8000 Hz | 70.70 | 0.00 | | 81.36 | 385.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -393.21 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 81.88 | 0.43 | -3.00 | 0.00 | 0.00 | 0.07 | 0.00 | 29.82 |
| | 125 Hz | 106.90 | 0.00 | | 81.88 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.58 |
| | 250 Hz | 104.10 | 0.00 | | 81.88 | 3.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.56 |
| | 500 Hz | 100.40 | 0.00 | | 81.88 | 6.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.77 |
| | 1000 Hz | 96.10 | 0.00 | | 81.88 | 12.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.41 |
| | 2000 Hz | 90.70 | 0.00 | | 81.88 | 33.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.02 |
| | 4000 Hz | 83.90 | 0.00 | | 81.88 | 114.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -109.74 |
| | 8000 Hz | 75.80 | 0.00 | | 81.88 | 409.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -412.36 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 80.67 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.16 |
| | 125 Hz | 108.80 | 0.00 | | 80.67 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.88 |
| | 250 Hz | 106.10 | 0.00 | | 80.67 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.26 |
| | 500 Hz | 102.40 | 0.00 | | 80.67 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.87 |
| | 1000 Hz | 98.10 | 0.00 | | 80.67 | 11.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.30 |
| | 2000 Hz | 92.80 | 0.00 | | 80.67 | 29.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.28 |
| | 4000 Hz | 85.90 | 0.00 | | 80.67 | 99.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -91.51 |
| | 8000 Hz | 77.90 | 0.00 | | 80.67 | 355.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -355.50 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 80.13 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.72 |
| | 125 Hz | 106.90 | 0.00 | | 80.13 | 1.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.59 |
| | 250 Hz | 104.10 | 0.00 | | 80.13 | 2.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.98 |
| | 500 Hz | 100.40 | 0.00 | | 80.13 | 5.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.75 |
| | 1000 Hz | 96.10 | 0.00 | | 80.13 | 10.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.50 |
| | 2000 Hz | 90.70 | 0.00 | | 80.13 | 27.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.10 |
| | 4000 Hz | 83.90 | 0.00 | | 80.13 | 93.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -87.04 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 75.80 | 0.00 | | 80.13 | 334.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -335.91 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.08 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.93 |
| | 125 Hz | 108.80 | 0.00 | | 75.08 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.07 |
| | 250 Hz | 106.10 | 0.00 | | 75.08 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.36 |
| | 500 Hz | 102.40 | 0.00 | | 75.08 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.24 |
| | 1000 Hz | 98.10 | 0.00 | | 75.08 | 5.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.18 |
| | 2000 Hz | 92.80 | 0.00 | | 75.08 | 15.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.27 |
| | 4000 Hz | 85.90 | 0.00 | | 75.08 | 52.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.58 |
| | 8000 Hz | 77.90 | 0.00 | | 75.08 | 186.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -181.08 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.25 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.71 |
| | 125 Hz | 110.70 | 0.00 | | 72.25 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.98 |
| | 250 Hz | 108.00 | 0.00 | | 72.25 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.55 |
| | 500 Hz | 104.50 | 0.00 | | 72.25 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.03 |
| | 1000 Hz | 100.10 | 0.00 | | 72.25 | 4.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.63 |
| | 2000 Hz | 94.80 | 0.00 | | 72.25 | 11.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.39 |
| | 4000 Hz | 87.90 | 0.00 | | 72.25 | 37.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.19 |
| | 8000 Hz | 79.90 | 0.00 | | 72.25 | 134.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.33 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.62 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.55 |
| | 125 Hz | 110.90 | 0.00 | | 71.62 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.84 |
| | 250 Hz | 108.10 | 0.00 | | 71.62 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.36 |
| | 500 Hz | 104.40 | 0.00 | | 71.62 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.71 |
| | 1000 Hz | 100.10 | 0.00 | | 71.62 | 3.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.56 |
| | 2000 Hz | 94.80 | 0.00 | | 71.62 | 10.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.81 |
| | 4000 Hz | 88.00 | 0.00 | | 71.62 | 35.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.80 |
| | 8000 Hz | 80.00 | 0.00 | | 71.62 | 125.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.11 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 67.33 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.69 |
| | 125 Hz | 110.70 | 0.00 | | 67.33 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.10 |
| | 250 Hz | 108.00 | 0.00 | | 67.33 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.98 |
| | 500 Hz | 104.50 | 0.00 | | 67.33 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.90 |
| | 1000 Hz | 100.10 | 0.00 | | 67.33 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.37 |
| | 2000 Hz | 94.80 | 0.00 | | 67.33 | 6.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.13 |
| | 4000 Hz | 87.90 | 0.00 | | 67.33 | 21.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.07 |
| | 8000 Hz | 79.90 | 0.00 | | 67.33 | 76.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.09 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 72.42 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.74 |
| | 125 Hz | 110.90 | 0.00 | | 72.42 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.00 |
| | 250 Hz | 108.10 | 0.00 | | 72.42 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.46 |
| | 500 Hz | 104.40 | 0.00 | | 72.42 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.72 |
| | 1000 Hz | 100.10 | 0.00 | | 72.42 | 4.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.38 |
| | 2000 Hz | 94.80 | 0.00 | | 72.42 | 11.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.01 |
| | 4000 Hz | 88.00 | 0.00 | | 72.42 | 38.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.00 |
| | 8000 Hz | 80.00 | 0.00 | | 72.42 | 137.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.02 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.40 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.56 |
| | 125 Hz | 110.70 | 0.00 | | 72.40 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.82 |
| | 250 Hz | 108.00 | 0.00 | | 72.40 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.38 |
| | 500 Hz | 104.50 | 0.00 | | 72.40 | 2.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.84 |
| | 1000 Hz | 100.10 | 0.00 | | 72.40 | 4.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.40 |
| | 2000 Hz | 94.80 | 0.00 | | 72.40 | 11.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.05 |
| | 4000 Hz | 87.90 | 0.00 | | 72.40 | 38.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.00 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 8000 Hz | 79.90 | 0.00 | | 72.40 | 137.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.83 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt013 | IP L | 379333.34 | 5777732.93 | 66.309 | 43.16 |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 81.83 | 6.69 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 78.80 | 4.73 | 4.66 | 0.00 | 0.00 | 0.00 | 0.00 | 9.82 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.81 | 5.96 | 4.48 | 0.00 | 0.00 | 0.29 | 0.00 | 6.47 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 82.12 | 6.93 | 4.72 | 0.00 | 0.00 | 0.00 | 0.00 | -89.76 |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAi118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 85.70 | 0.66 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | 16.38 |
| | 125 Hz | 102.50 | 0.00 | | 85.70 | 2.23 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | 13.43 |
| | 250 Hz | 99.20 | 0.00 | | 85.70 | 5.67 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | 7.44 |
| | 500 Hz | 96.00 | 0.00 | | 85.70 | 10.47 | -3.00 | 0.00 | 0.00 | 1.38 | 0.00 | 1.45 |
| | 1000 Hz | 92.30 | 0.00 | | 85.70 | 19.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.26 |
| | 2000 Hz | 89.10 | 0.00 | | 85.70 | 52.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -46.09 |
| | 4000 Hz | 85.30 | 0.00 | | 85.70 | 178.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -175.40 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAi119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 85.72 | 0.66 | -3.00 | 0.00 | 0.00 | 4.40 | 0.00 | 19.42 |
| | 125 Hz | 105.50 | 0.00 | | 85.72 | 2.24 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | 16.54 |
| | 250 Hz | 102.20 | 0.00 | | 85.72 | 5.68 | -3.00 | 0.00 | 0.00 | 3.05 | 0.00 | 10.75 |
| | 500 Hz | 99.00 | 0.00 | | 85.72 | 10.50 | -3.00 | 0.00 | 0.00 | 0.14 | 0.00 | 5.64 |
| | 1000 Hz | 95.30 | 0.00 | | 85.72 | 19.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.35 |
| | 2000 Hz | 92.10 | 0.00 | | 85.72 | 52.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.28 |
| | 4000 Hz | 88.30 | 0.00 | | 85.72 | 178.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -172.98 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAi120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.75 | 0.20 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | 31.94 |
| | 63 Hz | 116.40 | 0.00 | | 86.75 | 0.75 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | 27.67 |
| | 125 Hz | 110.70 | 0.00 | | 86.75 | 2.52 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | 20.81 |
| | 250 Hz | 104.40 | 0.00 | | 86.75 | 6.40 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | 12.19 |
| | 500 Hz | 101.20 | 0.00 | | 86.75 | 11.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.63 |
| | 1000 Hz | 99.40 | 0.00 | | 86.75 | 22.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.77 |
| | 2000 Hz | 93.80 | 0.00 | | 86.75 | 59.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.20 |
| | 4000 Hz | 86.70 | 0.00 | | 86.75 | 200.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -197.97 |
| | 8000 Hz | 78.40 | 0.00 | | 86.75 | 716.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -721.95 |

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| WEAi121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.51 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.77 |
| | 63 Hz | 116.40 | 0.00 | | 82.51 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.43 |
| | 125 Hz | 110.70 | 0.00 | | 82.51 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.64 |
| | 250 Hz | 104.40 | 0.00 | | 82.51 | 3.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.96 |
| | 500 Hz | 101.20 | 0.00 | | 82.51 | 7.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.43 |
| | 1000 Hz | 99.40 | 0.00 | | 82.51 | 13.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.12 |
| | 2000 Hz | 93.80 | 0.00 | | 82.51 | 36.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.10 |
| | 4000 Hz | 86.70 | 0.00 | | 82.51 | 123.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -116.20 |
| | 8000 Hz | 78.40 | 0.00 | | 82.51 | 440.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -441.20 |

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| WEAi122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.96 | 0.18 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | 33.20 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 85.96 | 0.68 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | | 29.53 |
| | 125 Hz | 110.70 | 0.00 | | 85.96 | 2.30 | -3.00 | 0.00 | 0.00 | 0.89 | 0.00 | | 24.56 |
| | 250 Hz | 104.40 | 0.00 | | 85.96 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.61 |
| | 500 Hz | 101.20 | 0.00 | | 85.96 | 10.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.46 |
| | 1000 Hz | 99.40 | 0.00 | | 85.96 | 20.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.02 |
| | 2000 Hz | 93.80 | 0.00 | | 85.96 | 54.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.23 |
| | 4000 Hz | 86.70 | 0.00 | | 85.96 | 183.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -179.63 |
| | 8000 Hz | 78.40 | 0.00 | | 85.96 | 654.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -658.57 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.40 | 0.19 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | | 32.27 |
| | 63 Hz | 116.40 | 0.00 | | 86.40 | 0.72 | -3.00 | 0.00 | 0.00 | 4.29 | 0.00 | | 27.99 |
| | 125 Hz | 110.70 | 0.00 | | 86.40 | 2.42 | -3.00 | 0.00 | 0.00 | 3.77 | 0.00 | | 21.11 |
| | 250 Hz | 104.40 | 0.00 | | 86.40 | 6.15 | -3.00 | 0.00 | 0.00 | 2.45 | 0.00 | | 12.40 |
| | 500 Hz | 101.20 | 0.00 | | 86.40 | 11.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.44 |
| | 1000 Hz | 99.40 | 0.00 | | 86.40 | 21.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.55 |
| | 2000 Hz | 93.80 | 0.00 | | 86.40 | 56.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.53 |
| | 4000 Hz | 86.70 | 0.00 | | 86.40 | 193.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -189.76 |
| | 8000 Hz | 78.40 | 0.00 | | 86.40 | 688.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -693.57 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.96 | 0.16 | -3.00 | 0.00 | 0.00 | 1.71 | 0.00 | | 36.57 |
| | 63 Hz | 116.40 | 0.00 | | 84.96 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.83 |
| | 125 Hz | 110.70 | 0.00 | | 84.96 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.69 |
| | 250 Hz | 104.40 | 0.00 | | 84.96 | 5.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.24 |
| | 500 Hz | 101.20 | 0.00 | | 84.96 | 9.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.63 |
| | 1000 Hz | 99.40 | 0.00 | | 84.96 | 18.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.80 |
| | 2000 Hz | 93.80 | 0.00 | | 84.96 | 48.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.37 |
| | 4000 Hz | 86.70 | 0.00 | | 84.96 | 163.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.74 |
| | 8000 Hz | 78.40 | 0.00 | | 84.96 | 583.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -586.65 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.35 | 0.17 | -3.00 | 0.00 | 0.00 | 1.88 | 0.00 | | 36.01 |
| | 63 Hz | 116.40 | 0.00 | | 85.35 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.42 |
| | 125 Hz | 110.70 | 0.00 | | 85.35 | 2.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.21 |
| | 250 Hz | 104.40 | 0.00 | | 85.35 | 5.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.61 |
| | 500 Hz | 101.20 | 0.00 | | 85.35 | 10.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.80 |
| | 1000 Hz | 99.40 | 0.00 | | 85.35 | 19.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.02 |
| | 2000 Hz | 93.80 | 0.00 | | 85.35 | 50.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.95 |
| | 4000 Hz | 86.70 | 0.00 | | 85.35 | 170.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -166.58 |
| | 8000 Hz | 78.40 | 0.00 | | 85.35 | 609.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -613.63 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.29 | 0.19 | -3.00 | 0.00 | 0.00 | 3.75 | 0.00 | | 33.17 |
| | 63 Hz | 116.40 | 0.00 | | 86.29 | 0.71 | -3.00 | 0.00 | 0.00 | 2.42 | 0.00 | | 29.98 |
| | 125 Hz | 110.70 | 0.00 | | 86.29 | 2.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.02 |
| | 250 Hz | 104.40 | 0.00 | | 86.29 | 6.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.04 |
| | 500 Hz | 101.20 | 0.00 | | 86.29 | 11.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.69 |
| | 1000 Hz | 99.40 | 0.00 | | 86.29 | 21.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.17 |
| | 2000 Hz | 93.80 | 0.00 | | 86.29 | 56.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.72 |
| | 4000 Hz | 86.70 | 0.00 | | 86.29 | 190.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -187.26 |
| | 8000 Hz | 78.40 | 0.00 | | 86.29 | 680.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -684.94 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.90 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.32 |
| | 63 Hz | 116.40 | 0.00 | | 85.90 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.83 |
| | 125 Hz | 110.70 | 0.00 | | 85.90 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.52 |
| | 250 Hz | 104.40 | 0.00 | | 85.90 | 5.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.70 |
| | 500 Hz | 101.20 | 0.00 | | 85.90 | 10.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.59 |
| | 1000 Hz | 99.40 | 0.00 | | 85.90 | 20.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.83 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 93.80 | 0.00 | | 85.90 | 53.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.82 |
| | 4000 Hz | 86.70 | 0.00 | | 85.90 | 182.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.37 |
| | 8000 Hz | 78.40 | 0.00 | | 85.90 | 649.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -654.23 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 85.41 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.52 |
| | 63 Hz | 113.10 | 0.00 | | 85.41 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.05 |
| | 125 Hz | 107.40 | 0.00 | | 85.41 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.83 |
| | 250 Hz | 101.10 | 0.00 | | 85.41 | 5.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.20 |
| | 500 Hz | 97.90 | 0.00 | | 85.41 | 10.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.35 |
| | 1000 Hz | 96.10 | 0.00 | | 85.41 | 19.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.54 |
| | 2000 Hz | 90.50 | 0.00 | | 85.41 | 50.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.72 |
| | 4000 Hz | 83.40 | 0.00 | | 85.41 | 172.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -171.29 |
| | 8000 Hz | 75.10 | 0.00 | | 85.41 | 614.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -621.77 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.22 | 0.18 | -3.00 | 0.00 | 0.00 | 0.65 | 0.00 | | 36.35 |
| | 63 Hz | 116.40 | 0.00 | | 86.22 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.48 |
| | 125 Hz | 110.70 | 0.00 | | 86.22 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.11 |
| | 250 Hz | 104.40 | 0.00 | | 86.22 | 6.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.16 |
| | 500 Hz | 101.20 | 0.00 | | 86.22 | 11.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.86 |
| | 1000 Hz | 99.40 | 0.00 | | 86.22 | 21.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.92 |
| | 2000 Hz | 93.80 | 0.00 | | 86.22 | 55.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.18 |
| | 4000 Hz | 86.70 | 0.00 | | 86.22 | 189.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -185.61 |
| | 8000 Hz | 78.40 | 0.00 | | 86.22 | 674.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -679.23 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.81 | 0.20 | -3.00 | 0.00 | 0.00 | 3.20 | 0.00 | | 33.19 |
| | 63 Hz | 116.40 | 0.00 | | 86.81 | 0.75 | -3.00 | 0.00 | 0.00 | 0.70 | 0.00 | | 31.14 |
| | 125 Hz | 110.70 | 0.00 | | 86.81 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.35 |
| | 250 Hz | 104.40 | 0.00 | | 86.81 | 6.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.15 |
| | 500 Hz | 101.20 | 0.00 | | 86.81 | 11.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.49 |
| | 1000 Hz | 99.40 | 0.00 | | 86.81 | 22.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.00 |
| | 2000 Hz | 93.80 | 0.00 | | 86.81 | 59.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.69 |
| | 4000 Hz | 86.70 | 0.00 | | 86.81 | 202.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.49 |
| | 8000 Hz | 78.40 | 0.00 | | 86.81 | 721.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -727.22 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 83.11 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.10 |
| | 125 Hz | 104.80 | 0.00 | | 83.11 | 1.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.03 |
| | 250 Hz | 101.50 | 0.00 | | 83.11 | 4.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.18 |
| | 500 Hz | 97.10 | 0.00 | | 83.11 | 7.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.21 |
| | 1000 Hz | 91.00 | 0.00 | | 83.11 | 14.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.86 |
| | 2000 Hz | 86.30 | 0.00 | | 83.11 | 38.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.79 |
| | 4000 Hz | 80.30 | 0.00 | | 83.11 | 132.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.00 |
| | 8000 Hz | 74.00 | 0.00 | | 83.11 | 471.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -477.59 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.79 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.07 |
| | 63 Hz | 113.00 | 0.00 | | 83.79 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.68 |
| | 125 Hz | 108.60 | 0.00 | | 83.79 | 1.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.02 |
| | 250 Hz | 105.70 | 0.00 | | 83.79 | 4.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.36 |
| | 500 Hz | 101.70 | 0.00 | | 83.79 | 8.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.50 |
| | 1000 Hz | 95.50 | 0.00 | | 83.79 | 15.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.24 |
| | 2000 Hz | 89.70 | 0.00 | | 83.79 | 42.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.24 |
| | 4000 Hz | 82.20 | 0.00 | | 83.79 | 142.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.54 |
| | 8000 Hz | 74.00 | 0.00 | | 83.79 | 509.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -516.63 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 83.94 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.92 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 113.00 | 0.00 | | 83.94 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.52 |
| | 125 Hz | 108.60 | 0.00 | | 83.94 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.84 |
| | 250 Hz | 105.70 | 0.00 | | 83.94 | 4.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.13 |
| | 500 Hz | 101.70 | 0.00 | | 83.94 | 8.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.21 |
| | 1000 Hz | 95.50 | 0.00 | | 83.94 | 16.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.67 |
| | 2000 Hz | 89.70 | 0.00 | | 83.94 | 42.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.11 |
| | 4000 Hz | 82.20 | 0.00 | | 83.94 | 145.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.14 |
| | 8000 Hz | 74.00 | 0.00 | | 83.94 | 518.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -525.51 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 80.93 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.87 |
| | 63 Hz | 111.30 | 0.00 | | 80.93 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.98 |
| | 125 Hz | 107.40 | 0.00 | | 80.93 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.18 |
| | 250 Hz | 102.80 | 0.00 | | 80.93 | 3.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.59 |
| | 500 Hz | 99.70 | 0.00 | | 80.93 | 6.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.72 |
| | 1000 Hz | 96.60 | 0.00 | | 80.93 | 11.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.19 |
| | 2000 Hz | 91.70 | 0.00 | | 80.93 | 30.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.57 |
| | 4000 Hz | 85.00 | 0.00 | | 80.93 | 102.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.81 |
| | 8000 Hz | 87.30 | 0.00 | | 80.93 | 366.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -357.54 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 83.66 | 0.52 | -3.00 | 0.00 | 0.00 | 2.74 | 0.00 | | 27.98 |
| | 125 Hz | 108.60 | 0.00 | | 83.66 | 1.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.18 |
| | 250 Hz | 103.40 | 0.00 | | 83.66 | 4.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.26 |
| | 500 Hz | 99.10 | 0.00 | | 83.66 | 8.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.16 |
| | 1000 Hz | 98.00 | 0.00 | | 83.66 | 15.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.64 |
| | 2000 Hz | 89.80 | 0.00 | | 83.66 | 41.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.36 |
| | 4000 Hz | 85.30 | 0.00 | | 83.66 | 140.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.11 |
| | 8000 Hz | 80.10 | 0.00 | | 83.66 | 502.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -502.57 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 83.40 | 0.13 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 34.40 |
| | 63 Hz | 112.30 | 0.00 | | 83.40 | 0.51 | -3.00 | 0.00 | 0.00 | 2.19 | 0.00 | | 29.21 |
| | 125 Hz | 108.10 | 0.00 | | 83.40 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.99 |
| | 250 Hz | 103.50 | 0.00 | | 83.40 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.75 |
| | 500 Hz | 100.70 | 0.00 | | 83.40 | 8.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.27 |
| | 1000 Hz | 98.30 | 0.00 | | 83.40 | 15.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.65 |
| | 2000 Hz | 93.80 | 0.00 | | 83.40 | 40.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.89 |
| | 4000 Hz | 86.20 | 0.00 | | 83.40 | 136.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.82 |
| | 8000 Hz | 78.20 | 0.00 | | 83.40 | 487.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -489.49 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 82.85 | 0.13 | -3.00 | 0.00 | 0.00 | 2.35 | 0.00 | | 34.27 |
| | 63 Hz | 111.70 | 0.00 | | 82.85 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.37 |
| | 125 Hz | 106.40 | 0.00 | | 82.85 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.94 |
| | 250 Hz | 102.10 | 0.00 | | 82.85 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.16 |
| | 500 Hz | 99.10 | 0.00 | | 82.85 | 7.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.70 |
| | 1000 Hz | 96.90 | 0.00 | | 82.85 | 14.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.73 |
| | 2000 Hz | 90.50 | 0.00 | | 82.85 | 37.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.18 |
| | 4000 Hz | 81.00 | 0.00 | | 82.85 | 128.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.13 |
| | 8000 Hz | 76.50 | 0.00 | | 82.85 | 457.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.89 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 84.44 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.91 |
| | 63 Hz | 110.40 | 0.00 | | 84.44 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.39 |
| | 125 Hz | 107.20 | 0.00 | | 84.44 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.83 |
| | 250 Hz | 101.70 | 0.00 | | 84.44 | 4.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.36 |
| | 500 Hz | 98.20 | 0.00 | | 84.44 | 9.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.71 |
| | 1000 Hz | 95.60 | 0.00 | | 84.44 | 17.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.02 |
| | 2000 Hz | 93.70 | 0.00 | | 84.44 | 45.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.14 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 90.70 | 0.00 | | 84.44 | 153.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.72 |
| | 8000 Hz | 79.50 | 0.00 | | 84.44 | 549.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -551.12 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.04 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.63 |
| | 63 Hz | 111.60 | 0.00 | | 83.04 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.07 |
| | 125 Hz | 108.60 | 0.00 | | 83.04 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.92 |
| | 250 Hz | 106.50 | 0.00 | | 83.04 | 4.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.29 |
| | 500 Hz | 102.90 | 0.00 | | 83.04 | 7.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.15 |
| | 1000 Hz | 99.60 | 0.00 | | 83.04 | 14.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.93 |
| | 2000 Hz | 95.90 | 0.00 | | 83.04 | 38.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.80 |
| | 4000 Hz | 90.10 | 0.00 | | 83.04 | 131.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.04 |
| | 8000 Hz | 76.30 | 0.00 | | 83.04 | 467.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.32 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.51 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.15 |
| | 63 Hz | 111.60 | 0.00 | | 83.51 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.57 |
| | 125 Hz | 108.60 | 0.00 | | 83.51 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.35 |
| | 250 Hz | 106.50 | 0.00 | | 83.51 | 4.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.58 |
| | 500 Hz | 102.90 | 0.00 | | 83.51 | 8.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.24 |
| | 1000 Hz | 99.60 | 0.00 | | 83.51 | 15.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.63 |
| | 2000 Hz | 95.90 | 0.00 | | 83.51 | 40.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.44 |
| | 4000 Hz | 90.10 | 0.00 | | 83.51 | 138.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.87 |
| | 8000 Hz | 76.30 | 0.00 | | 83.51 | 493.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -498.03 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.20 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.50 |
| | 63 Hz | 111.60 | 0.00 | | 81.20 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.01 |
| | 125 Hz | 108.60 | 0.00 | | 81.20 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.07 |
| | 250 Hz | 106.50 | 0.00 | | 81.20 | 3.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.92 |
| | 500 Hz | 102.90 | 0.00 | | 81.20 | 6.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.46 |
| | 1000 Hz | 99.60 | 0.00 | | 81.20 | 11.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.56 |
| | 2000 Hz | 95.90 | 0.00 | | 81.20 | 31.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.58 |
| | 4000 Hz | 90.10 | 0.00 | | 81.20 | 106.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.16 |
| | 8000 Hz | 76.30 | 0.00 | | 81.20 | 378.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -380.19 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.34 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.36 |
| | 63 Hz | 111.60 | 0.00 | | 81.34 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.86 |
| | 125 Hz | 108.60 | 0.00 | | 81.34 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.91 |
| | 250 Hz | 106.50 | 0.00 | | 81.34 | 3.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.73 |
| | 500 Hz | 102.90 | 0.00 | | 81.34 | 6.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.22 |
| | 1000 Hz | 99.60 | 0.00 | | 81.34 | 12.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.24 |
| | 2000 Hz | 95.90 | 0.00 | | 81.34 | 31.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.21 |
| | 4000 Hz | 90.10 | 0.00 | | 81.34 | 107.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.00 |
| | 8000 Hz | 76.30 | 0.00 | | 81.34 | 384.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -386.37 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.28 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.40 |
| | 63 Hz | 111.60 | 0.00 | | 82.28 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.87 |
| | 125 Hz | 108.60 | 0.00 | | 82.28 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.81 |
| | 250 Hz | 106.50 | 0.00 | | 82.28 | 3.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.39 |
| | 500 Hz | 102.90 | 0.00 | | 82.28 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.55 |
| | 1000 Hz | 99.60 | 0.00 | | 82.28 | 13.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.91 |
| | 2000 Hz | 95.90 | 0.00 | | 82.28 | 35.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.81 |
| | 4000 Hz | 90.10 | 0.00 | | 82.28 | 120.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.33 |
| | 8000 Hz | 76.30 | 0.00 | | 82.28 | 428.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -431.50 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.63 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.08 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 111.60 | 0.00 | | 79.63 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.64 |
| | 125 Hz | 108.60 | 0.00 | | 79.63 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.86 |
| | 250 Hz | 106.50 | 0.00 | | 79.63 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.05 |
| | 500 Hz | 102.90 | 0.00 | | 79.63 | 5.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.07 |
| | 1000 Hz | 99.60 | 0.00 | | 79.63 | 9.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.09 |
| | 2000 Hz | 95.90 | 0.00 | | 79.63 | 26.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.83 |
| | 4000 Hz | 90.10 | 0.00 | | 79.63 | 88.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.04 |
| | 8000 Hz | 76.30 | 0.00 | | 79.63 | 315.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -316.02 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.38 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.32 |
| | 63 Hz | 111.60 | 0.00 | | 80.38 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.86 |
| | 125 Hz | 108.60 | 0.00 | | 80.38 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.01 |
| | 250 Hz | 106.50 | 0.00 | | 80.38 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.04 |
| | 500 Hz | 102.90 | 0.00 | | 80.38 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.84 |
| | 1000 Hz | 99.60 | 0.00 | | 80.38 | 10.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.44 |
| | 2000 Hz | 95.90 | 0.00 | | 80.38 | 28.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.96 |
| | 4000 Hz | 90.10 | 0.00 | | 80.38 | 96.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.84 |
| | 8000 Hz | 76.30 | 0.00 | | 80.38 | 344.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -345.47 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.56 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.14 |
| | 63 Hz | 111.60 | 0.00 | | 81.56 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.63 |
| | 125 Hz | 108.60 | 0.00 | | 81.56 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.66 |
| | 250 Hz | 106.50 | 0.00 | | 81.56 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.43 |
| | 500 Hz | 102.90 | 0.00 | | 81.56 | 6.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.84 |
| | 1000 Hz | 99.60 | 0.00 | | 81.56 | 12.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.71 |
| | 2000 Hz | 95.90 | 0.00 | | 81.56 | 32.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.24 |
| | 4000 Hz | 90.10 | 0.00 | | 81.56 | 110.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.96 |
| | 8000 Hz | 76.30 | 0.00 | | 81.56 | 394.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -396.39 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 85.20 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.92 |
| | 125 Hz | 5.20 | 0.00 | | 85.20 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.11 |
| | 250 Hz | 1.90 | 0.00 | | 85.20 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.65 |
| | 500 Hz | -1.30 | 0.00 | | 85.20 | 9.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.38 |
| | 1000 Hz | -5.00 | 0.00 | | 85.20 | 18.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.96 |
| | 2000 Hz | -8.20 | 0.00 | | 85.20 | 49.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.96 |
| | 4000 Hz | -12.00 | 0.00 | | 85.20 | 168.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -262.28 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 81.73 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.05 |
| | 125 Hz | 106.50 | 0.00 | | 81.73 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.36 |
| | 250 Hz | 103.20 | 0.00 | | 81.73 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.88 |
| | 500 Hz | 100.00 | 0.00 | | 81.73 | 6.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.64 |
| | 1000 Hz | 96.30 | 0.00 | | 81.73 | 12.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.99 |
| | 2000 Hz | 93.10 | 0.00 | | 81.73 | 33.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.87 |
| | 4000 Hz | 89.30 | 0.00 | | 81.73 | 112.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.16 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.82 | 0.18 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | | 27.41 |
| | 63 Hz | 110.90 | 0.00 | | 85.82 | 0.67 | -3.00 | 0.00 | 0.00 | 3.96 | 0.00 | | 23.44 |
| | 125 Hz | 108.00 | 0.00 | | 85.82 | 2.27 | -3.00 | 0.00 | 0.00 | 2.98 | 0.00 | | 19.93 |
| | 250 Hz | 103.80 | 0.00 | | 85.82 | 5.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.23 |
| | 500 Hz | 101.90 | 0.00 | | 85.82 | 10.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.45 |
| | 1000 Hz | 98.90 | 0.00 | | 85.82 | 20.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.08 |
| | 2000 Hz | 94.60 | 0.00 | | 85.82 | 53.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.49 |
| | 4000 Hz | 88.20 | 0.00 | | 85.82 | 180.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -175.26 |
| | 8000 Hz | 78.80 | 0.00 | | 85.82 | 644.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -648.29 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.19 | 0.16 | -3.00 | 0.00 | 0.00 | 3.85 | 0.00 | | 28.60 |
| | 63 Hz | 110.90 | 0.00 | | 85.19 | 0.62 | -3.00 | 0.00 | 0.00 | 2.68 | 0.00 | | 25.41 |
| | 125 Hz | 108.00 | 0.00 | | 85.19 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.71 |
| | 250 Hz | 103.80 | 0.00 | | 85.19 | 5.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.27 |
| | 500 Hz | 101.90 | 0.00 | | 85.19 | 9.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.84 |
| | 1000 Hz | 98.90 | 0.00 | | 85.19 | 18.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.02 |
| | 2000 Hz | 94.60 | 0.00 | | 85.19 | 49.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.09 |
| | 4000 Hz | 88.20 | 0.00 | | 85.19 | 167.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.84 |
| | 8000 Hz | 78.80 | 0.00 | | 85.19 | 598.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -602.07 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.59 | 0.17 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 28.03 |
| | 63 Hz | 110.90 | 0.00 | | 85.59 | 0.65 | -3.00 | 0.00 | 0.00 | 3.09 | 0.00 | | 24.57 |
| | 125 Hz | 108.00 | 0.00 | | 85.59 | 2.20 | -3.00 | 0.00 | 0.00 | 0.36 | 0.00 | | 22.85 |
| | 250 Hz | 103.80 | 0.00 | | 85.59 | 5.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.62 |
| | 500 Hz | 101.90 | 0.00 | | 85.59 | 10.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.97 |
| | 1000 Hz | 98.90 | 0.00 | | 85.59 | 19.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.30 |
| | 2000 Hz | 94.60 | 0.00 | | 85.59 | 51.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.82 |
| | 4000 Hz | 88.20 | 0.00 | | 85.59 | 175.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -170.16 |
| | 8000 Hz | 78.80 | 0.00 | | 85.59 | 626.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -630.71 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.63 | 0.15 | -3.00 | 0.00 | 0.00 | 2.58 | 0.00 | | 30.44 |
| | 63 Hz | 110.90 | 0.00 | | 84.63 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.69 |
| | 125 Hz | 108.00 | 0.00 | | 84.63 | 1.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.40 |
| | 250 Hz | 103.80 | 0.00 | | 84.63 | 5.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.17 |
| | 500 Hz | 101.90 | 0.00 | | 84.63 | 9.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.02 |
| | 1000 Hz | 98.90 | 0.00 | | 84.63 | 17.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.28 |
| | 2000 Hz | 94.60 | 0.00 | | 84.63 | 46.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.42 |
| | 4000 Hz | 88.20 | 0.00 | | 84.63 | 157.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.77 |
| | 8000 Hz | 78.80 | 0.00 | | 84.63 | 561.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -564.01 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 81.27 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.82 |
| | 63 Hz | 122.10 | 0.00 | | 81.27 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.43 |
| | 125 Hz | 115.00 | 0.00 | | 81.27 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.38 |
| | 250 Hz | 108.00 | 0.00 | | 81.27 | 3.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.32 |
| | 500 Hz | 103.90 | 0.00 | | 81.27 | 6.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.33 |
| | 1000 Hz | 101.60 | 0.00 | | 81.27 | 11.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.39 |
| | 2000 Hz | 96.70 | 0.00 | | 81.27 | 31.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.12 |
| | 4000 Hz | 88.60 | 0.00 | | 81.27 | 106.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.64 |
| | 8000 Hz | 80.90 | 0.00 | | 81.27 | 381.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -378.90 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 82.00 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.06 |
| | 125 Hz | 109.80 | 0.00 | | 82.00 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.34 |
| | 250 Hz | 107.40 | 0.00 | | 82.00 | 3.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.69 |
| | 500 Hz | 101.60 | 0.00 | | 82.00 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.75 |
| | 1000 Hz | 94.50 | 0.00 | | 82.00 | 12.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.51 |
| | 2000 Hz | 88.00 | 0.00 | | 82.00 | 34.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.31 |
| | 4000 Hz | 85.30 | 0.00 | | 82.00 | 116.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.06 |
| | 8000 Hz | 79.90 | 0.00 | | 82.00 | 414.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -414.09 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.45 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.69 |
| | 125 Hz | 110.80 | 0.00 | | 82.45 | 1.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.81 |
| | 250 Hz | 105.10 | 0.00 | | 82.45 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.75 |
| | 500 Hz | 102.60 | 0.00 | | 82.45 | 7.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.94 |
| | 1000 Hz | 99.60 | 0.00 | | 82.45 | 13.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.47 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | Lft |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 93.10 | 0.00 | | 82.45 | 36.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.48 |
| | 4000 Hz | 80.70 | 0.00 | | 82.45 | 122.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.28 |
| | 8000 Hz | 77.00 | 0.00 | | 82.45 | 437.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -439.46 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.20 |
| | 125 Hz | 110.80 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.26 |
| | 250 Hz | 105.10 | 0.00 | | 82.92 | 4.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.06 |
| | 500 Hz | 102.60 | 0.00 | | 82.92 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.07 |
| | 1000 Hz | 99.60 | 0.00 | | 82.92 | 14.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.25 |
| | 2000 Hz | 93.10 | 0.00 | | 82.92 | 38.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.95 |
| | 4000 Hz | 80.70 | 0.00 | | 82.92 | 129.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.53 |
| | 8000 Hz | 77.00 | 0.00 | | 82.92 | 461.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -464.11 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.33 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.77 |
| | 125 Hz | 110.80 | 0.00 | | 83.33 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.77 |
| | 250 Hz | 105.10 | 0.00 | | 83.33 | 4.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.45 |
| | 500 Hz | 102.60 | 0.00 | | 83.33 | 7.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.30 |
| | 1000 Hz | 99.60 | 0.00 | | 83.33 | 15.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.14 |
| | 2000 Hz | 93.10 | 0.00 | | 83.33 | 39.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.21 |
| | 4000 Hz | 80.70 | 0.00 | | 83.33 | 135.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -135.19 |
| | 8000 Hz | 77.00 | 0.00 | | 83.33 | 483.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -486.84 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 81.15 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.86 |
| | 125 Hz | 104.80 | 0.00 | | 81.15 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.33 |
| | 250 Hz | 99.40 | 0.00 | | 81.15 | 3.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.90 |
| | 500 Hz | 95.00 | 0.00 | | 81.15 | 6.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.65 |
| | 1000 Hz | 93.20 | 0.00 | | 81.15 | 11.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.29 |
| | 2000 Hz | 89.10 | 0.00 | | 81.15 | 31.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.14 |
| | 4000 Hz | 83.90 | 0.00 | | 81.15 | 105.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.67 |
| | 8000 Hz | 82.20 | 0.00 | | 81.15 | 376.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -371.97 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.86 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.60 |
| | 125 Hz | 111.00 | 0.00 | | 87.86 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.28 |
| | 250 Hz | 106.60 | 0.00 | | 87.86 | 7.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.48 |
| | 500 Hz | 103.70 | 0.00 | | 87.86 | 13.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.42 |
| | 1000 Hz | 99.80 | 0.00 | | 87.86 | 25.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.53 |
| | 2000 Hz | 95.60 | 0.00 | | 87.86 | 67.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.57 |
| | 4000 Hz | 86.90 | 0.00 | | 87.86 | 228.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -226.22 |
| | 8000 Hz | 65.40 | 0.00 | | 87.86 | 814.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -833.59 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.09 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.44 |
| | 125 Hz | 111.00 | 0.00 | | 87.09 | 2.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.29 |
| | 250 Hz | 106.60 | 0.00 | | 87.09 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.86 |
| | 500 Hz | 103.70 | 0.00 | | 87.09 | 12.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.32 |
| | 1000 Hz | 99.80 | 0.00 | | 87.09 | 23.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.61 |
| | 2000 Hz | 95.60 | 0.00 | | 87.09 | 61.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.10 |
| | 4000 Hz | 86.90 | 0.00 | | 87.09 | 208.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -206.13 |
| | 8000 Hz | 65.40 | 0.00 | | 87.09 | 745.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -763.91 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.87 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 125 Hz | 111.00 | 0.00 | | 85.87 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.86 |
| | 250 Hz | 106.60 | 0.00 | | 85.87 | 5.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.95 |
| | 500 Hz | 103.70 | 0.00 | | 85.87 | 10.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.15 |
| | 1000 Hz | 99.80 | 0.00 | | 85.87 | 20.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.33 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 95.60 | 0.00 | | 85.87 | 53.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.80 |
| | 4000 Hz | 86.90 | 0.00 | | 85.87 | 181.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -177.51 |
| | 8000 Hz | 65.40 | 0.00 | | 85.87 | 647.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -664.97 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.95 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.27 |
| | 125 Hz | 110.20 | 0.00 | | 85.95 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.95 |
| | 250 Hz | 105.30 | 0.00 | | 85.95 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.51 |
| | 500 Hz | 102.70 | 0.00 | | 85.95 | 10.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.97 |
| | 1000 Hz | 99.80 | 0.00 | | 85.95 | 20.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.61 |
| | 2000 Hz | 95.50 | 0.00 | | 85.95 | 54.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.51 |
| | 4000 Hz | 84.90 | 0.00 | | 85.95 | 183.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -181.36 |
| | 8000 Hz | 61.80 | 0.00 | | 85.95 | 653.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -674.94 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.17 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.04 |
| | 125 Hz | 110.20 | 0.00 | | 86.17 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.68 |
| | 250 Hz | 105.30 | 0.00 | | 86.17 | 5.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.15 |
| | 500 Hz | 102.70 | 0.00 | | 86.17 | 11.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.48 |
| | 1000 Hz | 99.80 | 0.00 | | 86.17 | 20.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.34 |
| | 2000 Hz | 95.50 | 0.00 | | 86.17 | 55.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.07 |
| | 4000 Hz | 84.90 | 0.00 | | 86.17 | 187.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -186.16 |
| | 8000 Hz | 61.80 | 0.00 | | 86.17 | 670.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -691.52 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.13 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.55 |
| | 125 Hz | 111.00 | 0.00 | | 85.13 | 2.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.78 |
| | 250 Hz | 106.60 | 0.00 | | 85.13 | 5.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.16 |
| | 500 Hz | 103.70 | 0.00 | | 85.13 | 9.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.76 |
| | 1000 Hz | 99.80 | 0.00 | | 85.13 | 18.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.95 |
| | 2000 Hz | 95.60 | 0.00 | | 85.13 | 49.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.72 |
| | 4000 Hz | 86.90 | 0.00 | | 85.13 | 166.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.02 |
| | 8000 Hz | 65.40 | 0.00 | | 85.13 | 594.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -611.62 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.40 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.26 |
| | 125 Hz | 111.00 | 0.00 | | 85.40 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.45 |
| | 250 Hz | 106.60 | 0.00 | | 85.40 | 5.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.73 |
| | 500 Hz | 103.70 | 0.00 | | 85.40 | 10.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.19 |
| | 1000 Hz | 99.80 | 0.00 | | 85.40 | 19.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.79 |
| | 2000 Hz | 95.60 | 0.00 | | 85.40 | 50.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.50 |
| | 4000 Hz | 86.90 | 0.00 | | 85.40 | 171.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -167.45 |
| | 8000 Hz | 65.40 | 0.00 | | 85.40 | 613.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -630.30 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 81.26 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.14 |
| | 125 Hz | 104.80 | 0.00 | | 81.26 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.20 |
| | 250 Hz | 101.20 | 0.00 | | 81.26 | 3.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.54 |
| | 500 Hz | 96.80 | 0.00 | | 81.26 | 6.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.25 |
| | 1000 Hz | 92.70 | 0.00 | | 81.26 | 11.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.52 |
| | 2000 Hz | 90.50 | 0.00 | | 81.26 | 31.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.26 |
| | 4000 Hz | 84.90 | 0.00 | | 81.26 | 106.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.19 |
| | 8000 Hz | 70.70 | 0.00 | | 81.26 | 381.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -388.58 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 80.96 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.86 |
| | 125 Hz | 106.90 | 0.00 | | 80.96 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.65 |
| | 250 Hz | 104.10 | 0.00 | | 80.96 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.86 |
| | 500 Hz | 100.40 | 0.00 | | 80.96 | 6.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.37 |
| | 1000 Hz | 96.10 | 0.00 | | 80.96 | 11.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.62 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 90.70 | 0.00 | | 80.96 | 30.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.69 |
| | 4000 Hz | 83.90 | 0.00 | | 80.96 | 103.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.24 |
| | 8000 Hz | 75.80 | 0.00 | | 80.96 | 368.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -370.17 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 79.56 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.32 |
| | 125 Hz | 108.80 | 0.00 | | 79.56 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.14 |
| | 250 Hz | 106.10 | 0.00 | | 79.56 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.75 |
| | 500 Hz | 102.40 | 0.00 | | 79.56 | 5.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.68 |
| | 1000 Hz | 98.10 | 0.00 | | 79.56 | 9.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.75 |
| | 2000 Hz | 92.80 | 0.00 | | 79.56 | 25.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.64 |
| | 4000 Hz | 85.90 | 0.00 | | 79.56 | 87.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.43 |
| | 8000 Hz | 77.90 | 0.00 | | 79.56 | 313.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -311.73 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 79.09 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.80 |
| | 125 Hz | 106.90 | 0.00 | | 79.09 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.77 |
| | 250 Hz | 104.10 | 0.00 | | 79.09 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.36 |
| | 500 Hz | 100.40 | 0.00 | | 79.09 | 4.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.42 |
| | 1000 Hz | 96.10 | 0.00 | | 79.09 | 9.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.72 |
| | 2000 Hz | 90.70 | 0.00 | | 79.09 | 24.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.93 |
| | 4000 Hz | 83.90 | 0.00 | | 79.09 | 83.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.39 |
| | 8000 Hz | 75.80 | 0.00 | | 79.09 | 296.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -297.05 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 74.17 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.86 |
| | 125 Hz | 108.80 | 0.00 | | 74.17 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.04 |
| | 250 Hz | 106.10 | 0.00 | | 74.17 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.43 |
| | 500 Hz | 102.40 | 0.00 | | 74.17 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.46 |
| | 1000 Hz | 98.10 | 0.00 | | 74.17 | 5.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.66 |
| | 2000 Hz | 92.80 | 0.00 | | 74.17 | 13.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.71 |
| | 4000 Hz | 85.90 | 0.00 | | 74.17 | 47.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.47 |
| | 8000 Hz | 77.90 | 0.00 | | 74.17 | 168.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.62 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 71.51 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.47 |
| | 125 Hz | 110.70 | 0.00 | | 71.51 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.76 |
| | 250 Hz | 108.00 | 0.00 | | 71.51 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.39 |
| | 500 Hz | 104.50 | 0.00 | | 71.51 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.95 |
| | 1000 Hz | 100.10 | 0.00 | | 71.51 | 3.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.72 |
| | 2000 Hz | 94.80 | 0.00 | | 71.51 | 10.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.05 |
| | 4000 Hz | 87.90 | 0.00 | | 71.51 | 34.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.35 |
| | 8000 Hz | 79.90 | 0.00 | | 71.51 | 123.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.51 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 72.20 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.96 |
| | 125 Hz | 110.90 | 0.00 | | 72.20 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.23 |
| | 250 Hz | 108.10 | 0.00 | | 72.20 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.70 |
| | 500 Hz | 104.40 | 0.00 | | 72.20 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.98 |
| | 1000 Hz | 100.10 | 0.00 | | 72.20 | 4.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.70 |
| | 2000 Hz | 94.80 | 0.00 | | 72.20 | 11.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.50 |
| | 4000 Hz | 88.00 | 0.00 | | 72.20 | 37.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.85 |
| | 8000 Hz | 80.00 | 0.00 | | 72.20 | 134.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -123.47 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 68.11 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.91 |
| | 125 Hz | 110.70 | 0.00 | | 68.11 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.30 |
| | 250 Hz | 108.00 | 0.00 | | 68.11 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.15 |
| | 500 Hz | 104.50 | 0.00 | | 68.11 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.01 |
| | 1000 Hz | 100.10 | 0.00 | | 68.11 | 2.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.37 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|-------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 94.80 | 0.00 | | 68.11 | 6.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.77 |
| | 4000 Hz | 87.90 | 0.00 | | 68.11 | 23.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.70 |
| | 8000 Hz | 79.90 | 0.00 | | 68.11 | 83.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -69.00 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.85 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.28 |
| | 125 Hz | 110.90 | 0.00 | | 73.85 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.48 |
| | 250 Hz | 108.10 | 0.00 | | 73.85 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.81 |
| | 500 Hz | 104.40 | 0.00 | | 73.85 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.88 |
| | 1000 Hz | 100.10 | 0.00 | | 73.85 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.18 |
| | 2000 Hz | 94.80 | 0.00 | | 73.85 | 13.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.54 |
| | 4000 Hz | 88.00 | 0.00 | | 73.85 | 45.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.33 |
| | 8000 Hz | 80.00 | 0.00 | | 73.85 | 162.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -153.09 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.47 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.45 |
| | 125 Hz | 110.70 | 0.00 | | 74.47 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.62 |
| | 250 Hz | 108.00 | 0.00 | | 74.47 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.98 |
| | 500 Hz | 104.50 | 0.00 | | 74.47 | 2.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.16 |
| | 1000 Hz | 100.10 | 0.00 | | 74.47 | 5.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.18 |
| | 2000 Hz | 94.80 | 0.00 | | 74.47 | 14.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.92 |
| | 4000 Hz | 87.90 | 0.00 | | 74.47 | 48.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.44 |
| | 8000 Hz | 79.90 | 0.00 | | 74.47 | 174.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -165.86 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt015 | IP M | 378585.67 | | 5775909.36 | | 68.826 | | 45.16 | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 83.62 | 8.23 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.40 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 77.34 | 3.99 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 76.07 | 3.45 | 4.36 | 0.00 | 0.00 | 0.41 | 0.00 | 13.71 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 82.30 | 7.07 | 4.77 | 0.00 | 0.00 | 0.01 | 0.00 | -90.13 |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 84.22 | 0.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 17.65 |
| | 125 Hz | 102.50 | 0.00 | | 84.22 | 1.88 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 14.62 |
| | 250 Hz | 99.20 | 0.00 | | 84.22 | 4.78 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 8.42 |
| | 500 Hz | 96.00 | 0.00 | | 84.22 | 8.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 1.17 |
| | 1000 Hz | 92.30 | 0.00 | | 84.22 | 16.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -10.46 |
| | 2000 Hz | 89.10 | 0.00 | | 84.22 | 44.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -41.20 |
| | 4000 Hz | 85.30 | 0.00 | | 84.22 | 150.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -150.93 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 83.94 | 0.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 20.95 |
| | 125 Hz | 105.50 | 0.00 | | 83.94 | 1.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 17.97 |
| | 250 Hz | 102.20 | 0.00 | | 83.94 | 4.63 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 11.86 |
| | 500 Hz | 99.00 | 0.00 | | 83.94 | 8.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 4.74 |
| | 1000 Hz | 95.30 | 0.00 | | 83.94 | 16.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -6.63 |
| | 2000 Hz | 92.10 | 0.00 | | 83.94 | 42.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -36.48 |
| | 4000 Hz | 88.30 | 0.00 | | 83.94 | 145.38 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -142.79 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.05 | 0.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.41 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 85.05 | 0.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.96 |
| | 125 Hz | 110.70 | 0.00 | | 85.05 | 2.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.80 |
| | 250 Hz | 104.40 | 0.00 | | 85.05 | 5.26 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.31 |
| | 500 Hz | 101.20 | 0.00 | | 85.05 | 9.72 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.65 |
| | 1000 Hz | 99.40 | 0.00 | | 85.05 | 18.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -5.87 |
| | 2000 Hz | 93.80 | 0.00 | | 85.05 | 48.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -41.77 |
| | 4000 Hz | 86.70 | 0.00 | | 85.05 | 165.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -165.44 |
| | 8000 Hz | 78.40 | 0.00 | | 85.05 | 589.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -598.03 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.03 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.28 |
| | 63 Hz | 116.40 | 0.00 | | 80.03 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.03 |
| | 125 Hz | 110.70 | 0.00 | | 80.03 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.51 |
| | 250 Hz | 104.40 | 0.00 | | 80.03 | 2.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.42 |
| | 500 Hz | 101.20 | 0.00 | | 80.03 | 5.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.72 |
| | 1000 Hz | 99.40 | 0.00 | | 80.03 | 10.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.03 |
| | 2000 Hz | 93.80 | 0.00 | | 80.03 | 27.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.56 |
| | 4000 Hz | 86.70 | 0.00 | | 80.03 | 92.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.00 |
| | 8000 Hz | 78.40 | 0.00 | | 80.03 | 330.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -329.17 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.92 | 0.14 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | | 34.74 |
| | 63 Hz | 116.40 | 0.00 | | 83.92 | 0.54 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | | 30.53 |
| | 125 Hz | 110.70 | 0.00 | | 83.92 | 1.82 | -3.00 | 0.00 | 0.00 | 4.02 | 0.00 | | 23.94 |
| | 250 Hz | 104.40 | 0.00 | | 83.92 | 4.62 | -3.00 | 0.00 | 0.00 | 3.11 | 0.00 | | 15.75 |
| | 500 Hz | 101.20 | 0.00 | | 83.92 | 8.54 | -3.00 | 0.00 | 0.00 | 0.37 | 0.00 | | 11.37 |
| | 1000 Hz | 99.40 | 0.00 | | 83.92 | 16.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.28 |
| | 2000 Hz | 93.80 | 0.00 | | 83.92 | 42.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.92 |
| | 4000 Hz | 86.70 | 0.00 | | 83.92 | 145.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.35 |
| | 8000 Hz | 78.40 | 0.00 | | 83.92 | 517.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -520.13 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.47 | 0.15 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | 34.02 |
| | 63 Hz | 116.40 | 0.00 | | 84.47 | 0.57 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | | 29.62 |
| | 125 Hz | 110.70 | 0.00 | | 84.47 | 1.94 | -3.00 | 0.00 | 0.00 | 4.71 | 0.00 | | 22.58 |
| | 250 Hz | 104.40 | 0.00 | | 84.47 | 4.92 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | 13.37 |
| | 500 Hz | 101.20 | 0.00 | | 84.47 | 9.09 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 6.13 |
| | 1000 Hz | 99.40 | 0.00 | | 84.47 | 17.25 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | | -3.55 |
| | 2000 Hz | 93.80 | 0.00 | | 84.47 | 45.58 | -3.00 | 0.00 | 0.00 | 3.61 | 0.00 | | -36.86 |
| | 4000 Hz | 86.70 | 0.00 | | 84.47 | 154.57 | -3.00 | 0.00 | 0.00 | 2.02 | 0.00 | | -151.37 |
| | 8000 Hz | 78.40 | 0.00 | | 84.47 | 551.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -554.37 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.88 | 0.13 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | | 35.95 |
| | 63 Hz | 116.40 | 0.00 | | 82.88 | 0.48 | -3.00 | 0.00 | 0.00 | 4.10 | 0.00 | | 31.94 |
| | 125 Hz | 110.70 | 0.00 | | 82.88 | 1.61 | -3.00 | 0.00 | 0.00 | 3.32 | 0.00 | | 25.89 |
| | 250 Hz | 104.40 | 0.00 | | 82.88 | 4.10 | -3.00 | 0.00 | 0.00 | 1.13 | 0.00 | | 19.30 |
| | 500 Hz | 101.20 | 0.00 | | 82.88 | 7.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.75 |
| | 1000 Hz | 99.40 | 0.00 | | 82.88 | 14.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.16 |
| | 2000 Hz | 93.80 | 0.00 | | 82.88 | 37.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.03 |
| | 4000 Hz | 86.70 | 0.00 | | 82.88 | 128.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.88 |
| | 8000 Hz | 78.40 | 0.00 | | 82.88 | 459.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.51 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.42 | 0.13 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | | 35.23 |
| | 63 Hz | 116.40 | 0.00 | | 83.42 | 0.51 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 31.03 |
| | 125 Hz | 110.70 | 0.00 | | 83.42 | 1.72 | -3.00 | 0.00 | 0.00 | 4.10 | 0.00 | | 24.47 |
| | 250 Hz | 104.40 | 0.00 | | 83.42 | 4.36 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | | 16.32 |
| | 500 Hz | 101.20 | 0.00 | | 83.42 | 8.06 | -3.00 | 0.00 | 0.00 | 1.04 | 0.00 | | 11.68 |
| | 1000 Hz | 99.40 | 0.00 | | 83.42 | 15.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.69 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 93.80 | 0.00 | | 83.42 | 40.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.01 |
| | 4000 Hz | 86.70 | 0.00 | | 83.42 | 136.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -130.69 |
| | 8000 Hz | 78.40 | 0.00 | | 83.42 | 488.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -490.55 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.60 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.88 |
| | 63 Hz | 116.40 | 0.00 | | 84.60 | 0.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.45 |
| | 125 Hz | 110.70 | 0.00 | | 84.60 | 1.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.37 |
| | 250 Hz | 104.40 | 0.00 | | 84.60 | 4.99 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.04 |
| | 500 Hz | 101.20 | 0.00 | | 84.60 | 9.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.61 |
| | 1000 Hz | 99.40 | 0.00 | | 84.60 | 17.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -4.46 |
| | 2000 Hz | 93.80 | 0.00 | | 84.60 | 46.24 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | -38.80 |
| | 4000 Hz | 86.70 | 0.00 | | 84.60 | 156.82 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | -156.47 |
| | 8000 Hz | 78.40 | 0.00 | | 84.60 | 559.31 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | -567.25 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.54 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.93 |
| | 63 Hz | 116.40 | 0.00 | | 84.54 | 0.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.51 |
| | 125 Hz | 110.70 | 0.00 | | 84.54 | 1.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.43 |
| | 250 Hz | 104.40 | 0.00 | | 84.54 | 4.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.12 |
| | 500 Hz | 101.20 | 0.00 | | 84.54 | 9.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.72 |
| | 1000 Hz | 99.40 | 0.00 | | 84.54 | 17.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -4.31 |
| | 2000 Hz | 93.80 | 0.00 | | 84.54 | 45.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -38.47 |
| | 4000 Hz | 86.70 | 0.00 | | 84.54 | 155.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -155.47 |
| | 8000 Hz | 78.40 | 0.00 | | 84.54 | 555.89 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -563.81 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 83.81 | 0.14 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 31.38 |
| | 63 Hz | 113.10 | 0.00 | | 83.81 | 0.53 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 27.00 |
| | 125 Hz | 107.40 | 0.00 | | 83.81 | 1.80 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | 20.06 |
| | 250 Hz | 101.10 | 0.00 | | 83.81 | 4.56 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 11.04 |
| | 500 Hz | 97.90 | 0.00 | | 83.81 | 8.43 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 4.06 |
| | 1000 Hz | 96.10 | 0.00 | | 83.81 | 15.99 | -3.00 | 0.00 | 0.00 | 4.42 | 0.00 | -5.13 |
| | 2000 Hz | 90.50 | 0.00 | | 83.81 | 42.26 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | -36.62 |
| | 4000 Hz | 83.40 | 0.00 | | 83.81 | 143.32 | -3.00 | 0.00 | 0.00 | 3.15 | 0.00 | -143.89 |
| | 8000 Hz | 75.10 | 0.00 | | 83.81 | 511.17 | -3.00 | 0.00 | 0.00 | 0.55 | 0.00 | -517.44 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.80 | 0.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.67 |
| | 63 Hz | 116.40 | 0.00 | | 84.80 | 0.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.23 |
| | 125 Hz | 110.70 | 0.00 | | 84.80 | 2.01 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.12 |
| | 250 Hz | 104.40 | 0.00 | | 84.80 | 5.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.72 |
| | 500 Hz | 101.20 | 0.00 | | 84.80 | 9.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.19 |
| | 1000 Hz | 99.40 | 0.00 | | 84.80 | 17.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -5.08 |
| | 2000 Hz | 93.80 | 0.00 | | 84.80 | 47.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -40.10 |
| | 4000 Hz | 86.70 | 0.00 | | 84.80 | 160.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -160.39 |
| | 8000 Hz | 78.40 | 0.00 | | 84.80 | 572.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -580.67 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.37 | 0.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.09 |
| | 63 Hz | 116.40 | 0.00 | | 85.37 | 0.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 28.62 |
| | 125 Hz | 110.70 | 0.00 | | 85.37 | 2.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 21.41 |
| | 250 Hz | 104.40 | 0.00 | | 85.37 | 5.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 11.80 |
| | 500 Hz | 101.20 | 0.00 | | 85.37 | 10.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 3.97 |
| | 1000 Hz | 99.40 | 0.00 | | 85.37 | 19.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -6.88 |
| | 2000 Hz | 93.80 | 0.00 | | 85.37 | 50.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -43.91 |
| | 4000 Hz | 86.70 | 0.00 | | 85.37 | 171.49 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -171.93 |
| | 8000 Hz | 78.40 | 0.00 | | 85.37 | 611.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -620.39 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | |
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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 108.70 | 0.00 | | 85.74 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.30 |
| | 125 Hz | 104.80 | 0.00 | | 85.74 | 2.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.82 |
| | 250 Hz | 101.50 | 0.00 | | 85.74 | 5.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.07 |
| | 500 Hz | 97.10 | 0.00 | | 85.74 | 10.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.84 |
| | 1000 Hz | 91.00 | 0.00 | | 85.74 | 19.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.70 |
| | 2000 Hz | 86.30 | 0.00 | | 85.74 | 52.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.18 |
| | 4000 Hz | 80.30 | 0.00 | | 85.74 | 178.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -181.29 |
| | 8000 Hz | 74.00 | 0.00 | | 85.74 | 637.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -646.62 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.29 | 0.19 | -3.00 | 0.00 | 0.00 | 2.35 | 0.00 | | 29.17 |
| | 63 Hz | 113.00 | 0.00 | | 86.29 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.00 |
| | 125 Hz | 108.60 | 0.00 | | 86.29 | 2.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.92 |
| | 250 Hz | 105.70 | 0.00 | | 86.29 | 6.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.34 |
| | 500 Hz | 101.70 | 0.00 | | 86.29 | 11.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.20 |
| | 1000 Hz | 95.50 | 0.00 | | 86.29 | 21.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.06 |
| | 2000 Hz | 89.70 | 0.00 | | 86.29 | 56.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.79 |
| | 4000 Hz | 82.20 | 0.00 | | 86.29 | 190.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -191.68 |
| | 8000 Hz | 74.00 | 0.00 | | 86.29 | 679.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -689.04 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.55 | 0.19 | -3.00 | 0.00 | 0.00 | 2.35 | 0.00 | | 28.90 |
| | 63 Hz | 113.00 | 0.00 | | 86.55 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.72 |
| | 125 Hz | 108.60 | 0.00 | | 86.55 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.59 |
| | 250 Hz | 105.70 | 0.00 | | 86.55 | 6.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.90 |
| | 500 Hz | 101.70 | 0.00 | | 86.55 | 11.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.60 |
| | 1000 Hz | 95.50 | 0.00 | | 86.55 | 21.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.97 |
| | 2000 Hz | 89.70 | 0.00 | | 86.55 | 57.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.77 |
| | 4000 Hz | 82.20 | 0.00 | | 86.55 | 196.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.76 |
| | 8000 Hz | 74.00 | 0.00 | | 86.55 | 700.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -710.09 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 82.89 | 0.13 | -3.00 | 0.00 | 0.00 | 2.35 | 0.00 | | 32.53 |
| | 63 Hz | 111.30 | 0.00 | | 82.89 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.93 |
| | 125 Hz | 107.40 | 0.00 | | 82.89 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.89 |
| | 250 Hz | 102.80 | 0.00 | | 82.89 | 4.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.81 |
| | 500 Hz | 99.70 | 0.00 | | 82.89 | 7.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.23 |
| | 1000 Hz | 96.60 | 0.00 | | 82.89 | 14.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.33 |
| | 2000 Hz | 91.70 | 0.00 | | 82.89 | 38.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.19 |
| | 4000 Hz | 85.00 | 0.00 | | 82.89 | 128.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -123.76 |
| | 8000 Hz | 87.30 | 0.00 | | 82.89 | 459.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -452.20 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 85.98 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.24 |
| | 125 Hz | 108.60 | 0.00 | | 85.98 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.31 |
| | 250 Hz | 103.40 | 0.00 | | 85.98 | 5.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.57 |
| | 500 Hz | 99.10 | 0.00 | | 85.98 | 10.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.31 |
| | 1000 Hz | 98.00 | 0.00 | | 85.98 | 20.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.50 |
| | 2000 Hz | 89.80 | 0.00 | | 85.98 | 54.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.41 |
| | 4000 Hz | 85.30 | 0.00 | | 85.98 | 183.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -181.57 |
| | 8000 Hz | 80.10 | 0.00 | | 85.98 | 655.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -658.74 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 85.84 | 0.18 | -3.00 | 0.00 | 0.00 | 2.46 | 0.00 | | 33.13 |
| | 63 Hz | 112.30 | 0.00 | | 85.84 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.79 |
| | 125 Hz | 108.10 | 0.00 | | 85.84 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.99 |
| | 250 Hz | 103.50 | 0.00 | | 85.84 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.90 |
| | 500 Hz | 100.70 | 0.00 | | 85.84 | 10.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.22 |
| | 1000 Hz | 98.30 | 0.00 | | 85.84 | 20.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.73 |
| | 2000 Hz | 93.80 | 0.00 | | 85.84 | 53.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.39 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 86.20 | 0.00 | | 85.84 | 180.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -177.55 |
| | 8000 Hz | 78.20 | 0.00 | | 85.84 | 645.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -649.88 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 85.19 | 0.16 | -3.00 | 0.00 | 0.00 | 2.25 | 0.00 | | 31.99 |
| | 63 Hz | 111.70 | 0.00 | | 85.19 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.88 |
| | 125 Hz | 106.40 | 0.00 | | 85.19 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.10 |
| | 250 Hz | 102.10 | 0.00 | | 85.19 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.56 |
| | 500 Hz | 99.10 | 0.00 | | 85.19 | 9.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.03 |
| | 1000 Hz | 96.90 | 0.00 | | 85.19 | 18.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.04 |
| | 2000 Hz | 90.50 | 0.00 | | 85.19 | 49.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.23 |
| | 4000 Hz | 81.00 | 0.00 | | 85.19 | 167.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -169.19 |
| | 8000 Hz | 76.50 | 0.00 | | 85.19 | 599.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -604.87 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 86.93 | 0.20 | -3.00 | 0.00 | 0.00 | 2.52 | 0.00 | | 31.85 |
| | 63 Hz | 110.40 | 0.00 | | 86.93 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.71 |
| | 125 Hz | 107.20 | 0.00 | | 86.93 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.70 |
| | 250 Hz | 101.70 | 0.00 | | 86.93 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.24 |
| | 500 Hz | 98.20 | 0.00 | | 86.93 | 12.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.21 |
| | 1000 Hz | 95.60 | 0.00 | | 86.93 | 22.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.22 |
| | 2000 Hz | 93.70 | 0.00 | | 86.93 | 60.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.72 |
| | 4000 Hz | 90.70 | 0.00 | | 86.93 | 205.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.36 |
| | 8000 Hz | 79.50 | 0.00 | | 86.93 | 731.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -736.07 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.14 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.48 |
| | 63 Hz | 111.60 | 0.00 | | 86.14 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.77 |
| | 125 Hz | 108.60 | 0.00 | | 86.14 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.11 |
| | 250 Hz | 106.50 | 0.00 | | 86.14 | 5.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.40 |
| | 500 Hz | 102.90 | 0.00 | | 86.14 | 11.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.75 |
| | 1000 Hz | 99.60 | 0.00 | | 86.14 | 20.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.44 |
| | 2000 Hz | 95.90 | 0.00 | | 86.14 | 55.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.47 |
| | 4000 Hz | 90.10 | 0.00 | | 86.14 | 187.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -180.32 |
| | 8000 Hz | 76.30 | 0.00 | | 86.14 | 667.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -674.81 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.36 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.25 |
| | 63 Hz | 111.60 | 0.00 | | 86.36 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.53 |
| | 125 Hz | 108.60 | 0.00 | | 86.36 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.83 |
| | 250 Hz | 106.50 | 0.00 | | 86.36 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.03 |
| | 500 Hz | 102.90 | 0.00 | | 86.36 | 11.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.24 |
| | 1000 Hz | 99.60 | 0.00 | | 86.36 | 21.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.20 |
| | 2000 Hz | 95.90 | 0.00 | | 86.36 | 56.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.11 |
| | 4000 Hz | 90.10 | 0.00 | | 86.36 | 192.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -185.37 |
| | 8000 Hz | 76.30 | 0.00 | | 86.36 | 685.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -692.26 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.98 | 0.16 | -3.00 | 0.00 | 0.00 | 3.91 | 0.00 | | 27.75 |
| | 63 Hz | 111.60 | 0.00 | | 84.98 | 0.61 | -3.00 | 0.00 | 0.00 | 2.84 | 0.00 | | 26.17 |
| | 125 Hz | 108.60 | 0.00 | | 84.98 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.57 |
| | 250 Hz | 106.50 | 0.00 | | 84.98 | 5.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.31 |
| | 500 Hz | 102.90 | 0.00 | | 84.98 | 9.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.29 |
| | 1000 Hz | 99.60 | 0.00 | | 84.98 | 18.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.66 |
| | 2000 Hz | 95.90 | 0.00 | | 84.98 | 48.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.39 |
| | 4000 Hz | 90.10 | 0.00 | | 84.98 | 163.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -155.71 |
| | 8000 Hz | 76.30 | 0.00 | | 84.98 | 584.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -590.03 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.92 | 0.16 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 27.83 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 111.60 | 0.00 | | 84.92 | 0.60 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 26.28 |
| | 125 Hz | 108.60 | 0.00 | | 84.92 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.64 |
| | 250 Hz | 106.50 | 0.00 | | 84.92 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.41 |
| | 500 Hz | 102.90 | 0.00 | | 84.92 | 9.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.42 |
| | 1000 Hz | 99.60 | 0.00 | | 84.92 | 18.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.47 |
| | 2000 Hz | 95.90 | 0.00 | | 84.92 | 47.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.99 |
| | 4000 Hz | 90.10 | 0.00 | | 84.92 | 162.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -154.51 |
| | 8000 Hz | 76.30 | 0.00 | | 84.92 | 580.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -585.90 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.33 | 0.17 | -3.00 | 0.00 | 0.00 | 3.86 | 0.00 | | 27.45 |
| | 63 Hz | 111.60 | 0.00 | | 85.33 | 0.63 | -3.00 | 0.00 | 0.00 | 2.69 | 0.00 | | 25.94 |
| | 125 Hz | 108.60 | 0.00 | | 85.33 | 2.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.13 |
| | 250 Hz | 106.50 | 0.00 | | 85.33 | 5.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.74 |
| | 500 Hz | 102.90 | 0.00 | | 85.33 | 10.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.54 |
| | 1000 Hz | 99.60 | 0.00 | | 85.33 | 19.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.77 |
| | 2000 Hz | 95.90 | 0.00 | | 85.33 | 50.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.74 |
| | 4000 Hz | 90.10 | 0.00 | | 85.33 | 170.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.83 |
| | 8000 Hz | 76.30 | 0.00 | | 85.33 | 608.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -614.51 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.84 | 0.14 | -3.00 | 0.00 | 0.00 | 3.71 | 0.00 | | 29.11 |
| | 63 Hz | 111.60 | 0.00 | | 83.84 | 0.53 | -3.00 | 0.00 | 0.00 | 2.30 | 0.00 | | 27.92 |
| | 125 Hz | 108.60 | 0.00 | | 83.84 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.96 |
| | 250 Hz | 106.50 | 0.00 | | 83.84 | 4.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.08 |
| | 500 Hz | 102.90 | 0.00 | | 83.84 | 8.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.60 |
| | 1000 Hz | 99.60 | 0.00 | | 83.84 | 16.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.72 |
| | 2000 Hz | 95.90 | 0.00 | | 83.84 | 42.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.33 |
| | 4000 Hz | 90.10 | 0.00 | | 83.84 | 143.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.50 |
| | 8000 Hz | 76.30 | 0.00 | | 83.84 | 512.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -517.28 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.97 | 0.14 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | 29.10 |
| | 63 Hz | 111.60 | 0.00 | | 83.97 | 0.54 | -3.00 | 0.00 | 0.00 | 1.94 | 0.00 | | 28.14 |
| | 125 Hz | 108.60 | 0.00 | | 83.97 | 1.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.80 |
| | 250 Hz | 106.50 | 0.00 | | 83.97 | 4.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.88 |
| | 500 Hz | 102.90 | 0.00 | | 83.97 | 8.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.34 |
| | 1000 Hz | 99.60 | 0.00 | | 83.97 | 16.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.34 |
| | 2000 Hz | 95.90 | 0.00 | | 83.97 | 43.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.12 |
| | 4000 Hz | 90.10 | 0.00 | | 83.97 | 145.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.84 |
| | 8000 Hz | 76.30 | 0.00 | | 83.97 | 520.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -525.30 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.62 | 0.15 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | | 28.38 |
| | 63 Hz | 111.60 | 0.00 | | 84.62 | 0.58 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | | 27.27 |
| | 125 Hz | 108.60 | 0.00 | | 84.62 | 1.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.00 |
| | 250 Hz | 106.50 | 0.00 | | 84.62 | 5.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.87 |
| | 500 Hz | 102.90 | 0.00 | | 84.62 | 9.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.03 |
| | 1000 Hz | 99.60 | 0.00 | | 84.62 | 17.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.42 |
| | 2000 Hz | 95.90 | 0.00 | | 84.62 | 46.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.11 |
| | 4000 Hz | 90.10 | 0.00 | | 84.62 | 157.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -148.82 |
| | 8000 Hz | 76.30 | 0.00 | | 84.62 | 561.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -566.35 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.27 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.17 |
| | 125 Hz | 5.20 | 0.00 | | 87.27 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.75 |
| | 250 Hz | 1.90 | 0.00 | | 87.27 | 6.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.17 |
| | 500 Hz | -1.30 | 0.00 | | 87.27 | 12.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.12 |
| | 1000 Hz | -5.00 | 0.00 | | 87.27 | 23.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.09 |
| | 2000 Hz | -8.20 | 0.00 | | 87.27 | 62.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -155.41 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | -12.00 | 0.00 | | 87.27 | 213.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -309.69 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 78.43 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.49 |
| | 125 Hz | 106.50 | 0.00 | | 78.43 | 0.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.11 |
| | 250 Hz | 103.20 | 0.00 | | 78.43 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.32 |
| | 500 Hz | 100.00 | 0.00 | | 78.43 | 4.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.04 |
| | 1000 Hz | 96.30 | 0.00 | | 78.43 | 8.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.27 |
| | 2000 Hz | 93.10 | 0.00 | | 78.43 | 22.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.06 |
| | 4000 Hz | 89.30 | 0.00 | | 78.43 | 77.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.21 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.38 | 0.13 | -3.00 | 0.00 | 0.00 | 4.00 | 0.00 | | 30.28 |
| | 63 Hz | 110.90 | 0.00 | | 83.38 | 0.51 | -3.00 | 0.00 | 0.00 | 3.07 | 0.00 | | 26.95 |
| | 125 Hz | 108.00 | 0.00 | | 83.38 | 1.71 | -3.00 | 0.00 | 0.00 | 0.29 | 0.00 | | 25.62 |
| | 250 Hz | 103.80 | 0.00 | | 83.38 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.08 |
| | 500 Hz | 101.90 | 0.00 | | 83.38 | 8.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.50 |
| | 1000 Hz | 98.90 | 0.00 | | 83.38 | 15.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.31 |
| | 2000 Hz | 94.60 | 0.00 | | 83.38 | 40.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.98 |
| | 4000 Hz | 88.20 | 0.00 | | 83.38 | 136.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.51 |
| | 8000 Hz | 78.80 | 0.00 | | 83.38 | 486.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -487.83 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.84 | 0.13 | -3.00 | 0.00 | 0.00 | 4.25 | 0.00 | | 30.58 |
| | 63 Hz | 110.90 | 0.00 | | 82.84 | 0.48 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 26.92 |
| | 125 Hz | 108.00 | 0.00 | | 82.84 | 1.61 | -3.00 | 0.00 | 0.00 | 2.21 | 0.00 | | 24.35 |
| | 250 Hz | 103.80 | 0.00 | | 82.84 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.89 |
| | 500 Hz | 101.90 | 0.00 | | 82.84 | 7.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.53 |
| | 1000 Hz | 98.90 | 0.00 | | 82.84 | 14.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.77 |
| | 2000 Hz | 94.60 | 0.00 | | 82.84 | 37.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.00 |
| | 4000 Hz | 88.20 | 0.00 | | 82.84 | 128.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.71 |
| | 8000 Hz | 78.80 | 0.00 | | 82.84 | 456.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -457.81 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.36 | 0.13 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | | 29.93 |
| | 63 Hz | 110.90 | 0.00 | | 83.36 | 0.51 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | | 26.09 |
| | 125 Hz | 108.00 | 0.00 | | 83.36 | 1.71 | -3.00 | 0.00 | 0.00 | 2.96 | 0.00 | | 22.98 |
| | 250 Hz | 103.80 | 0.00 | | 83.36 | 4.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.11 |
| | 500 Hz | 101.90 | 0.00 | | 83.36 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.54 |
| | 1000 Hz | 98.90 | 0.00 | | 83.36 | 15.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.36 |
| | 2000 Hz | 94.60 | 0.00 | | 83.36 | 40.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.86 |
| | 4000 Hz | 88.20 | 0.00 | | 83.36 | 136.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.16 |
| | 8000 Hz | 78.80 | 0.00 | | 83.36 | 485.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -486.62 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.29 | 0.12 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | 31.26 |
| | 63 Hz | 110.90 | 0.00 | | 82.29 | 0.45 | -3.00 | 0.00 | 0.00 | 3.38 | 0.00 | | 27.78 |
| | 125 Hz | 108.00 | 0.00 | | 82.29 | 1.51 | -3.00 | 0.00 | 0.00 | 1.36 | 0.00 | | 25.84 |
| | 250 Hz | 103.80 | 0.00 | | 82.29 | 3.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.68 |
| | 500 Hz | 101.90 | 0.00 | | 82.29 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.53 |
| | 1000 Hz | 98.90 | 0.00 | | 82.29 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.19 |
| | 2000 Hz | 94.60 | 0.00 | | 82.29 | 35.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.16 |
| | 4000 Hz | 88.20 | 0.00 | | 82.29 | 120.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -111.36 |
| | 8000 Hz | 78.80 | 0.00 | | 82.29 | 428.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -429.45 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 77.74 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.39 |
| | 63 Hz | 122.10 | 0.00 | | 77.74 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.09 |
| | 125 Hz | 115.00 | 0.00 | | 77.74 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.37 |
| | 250 Hz | 108.00 | 0.00 | | 77.74 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.99 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 103.90 | 0.00 | | 77.74 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.97 |
| | 1000 Hz | 101.60 | 0.00 | | 77.74 | 7.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.91 |
| | 2000 Hz | 96.70 | 0.00 | | 77.74 | 21.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.95 |
| | 4000 Hz | 88.60 | 0.00 | | 77.74 | 71.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.37 |
| | 8000 Hz | 80.90 | 0.00 | | 77.74 | 254.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -247.89 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 78.38 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.84 |
| | 125 Hz | 109.80 | 0.00 | | 78.38 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.46 |
| | 250 Hz | 107.40 | 0.00 | | 78.38 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.58 |
| | 500 Hz | 101.60 | 0.00 | | 78.38 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.71 |
| | 1000 Hz | 94.50 | 0.00 | | 78.38 | 8.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.57 |
| | 2000 Hz | 88.00 | 0.00 | | 78.38 | 22.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.98 |
| | 4000 Hz | 85.30 | 0.00 | | 78.38 | 76.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.73 |
| | 8000 Hz | 79.90 | 0.00 | | 78.38 | 273.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -268.85 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.20 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.09 |
| | 125 Hz | 110.80 | 0.00 | | 79.20 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.54 |
| | 250 Hz | 105.10 | 0.00 | | 79.20 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.22 |
| | 500 Hz | 102.60 | 0.00 | | 79.20 | 4.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.44 |
| | 1000 Hz | 99.60 | 0.00 | | 79.20 | 9.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.00 |
| | 2000 Hz | 93.10 | 0.00 | | 79.20 | 24.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.94 |
| | 4000 Hz | 80.70 | 0.00 | | 79.20 | 84.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.75 |
| | 8000 Hz | 77.00 | 0.00 | | 79.20 | 300.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -299.69 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.00 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.26 |
| | 125 Hz | 110.80 | 0.00 | | 80.00 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.64 |
| | 250 Hz | 105.10 | 0.00 | | 80.00 | 2.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.16 |
| | 500 Hz | 102.60 | 0.00 | | 80.00 | 5.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.17 |
| | 1000 Hz | 99.60 | 0.00 | | 80.00 | 10.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.29 |
| | 2000 Hz | 93.10 | 0.00 | | 80.00 | 27.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.14 |
| | 4000 Hz | 80.70 | 0.00 | | 80.00 | 92.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.67 |
| | 8000 Hz | 77.00 | 0.00 | | 80.00 | 329.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -329.44 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.73 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.50 |
| | 125 Hz | 110.80 | 0.00 | | 80.73 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.81 |
| | 250 Hz | 105.10 | 0.00 | | 80.73 | 3.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.18 |
| | 500 Hz | 102.60 | 0.00 | | 80.73 | 5.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.97 |
| | 1000 Hz | 99.60 | 0.00 | | 80.73 | 11.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.66 |
| | 2000 Hz | 93.10 | 0.00 | | 80.73 | 29.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.25 |
| | 4000 Hz | 80.70 | 0.00 | | 80.73 | 100.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.47 |
| | 8000 Hz | 77.00 | 0.00 | | 80.73 | 358.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -358.97 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 76.80 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.36 |
| | 125 Hz | 104.80 | 0.00 | | 76.80 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.20 |
| | 250 Hz | 99.40 | 0.00 | | 76.80 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.57 |
| | 500 Hz | 95.00 | 0.00 | | 76.80 | 3.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.44 |
| | 1000 Hz | 93.20 | 0.00 | | 76.80 | 7.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.27 |
| | 2000 Hz | 89.10 | 0.00 | | 76.80 | 18.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.54 |
| | 4000 Hz | 83.90 | 0.00 | | 76.80 | 63.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.80 |
| | 8000 Hz | 82.20 | 0.00 | | 76.80 | 227.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -219.50 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.92 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.70 |
| | 125 Hz | 111.00 | 0.00 | | 85.92 | 2.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.79 |
| | 250 Hz | 106.60 | 0.00 | | 85.92 | 5.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.86 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 103.70 | 0.00 | | 85.92 | 10.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.03 |
| | 1000 Hz | 99.80 | 0.00 | | 85.92 | 20.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.51 |
| | 2000 Hz | 95.60 | 0.00 | | 85.92 | 53.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.19 |
| | 4000 Hz | 86.90 | 0.00 | | 85.92 | 182.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.70 |
| | 8000 Hz | 65.40 | 0.00 | | 85.92 | 651.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -669.08 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.09 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.59 |
| | 125 Hz | 111.00 | 0.00 | | 85.09 | 2.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.83 |
| | 250 Hz | 106.60 | 0.00 | | 85.09 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.22 |
| | 500 Hz | 103.70 | 0.00 | | 85.09 | 9.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.84 |
| | 1000 Hz | 99.80 | 0.00 | | 85.09 | 18.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.82 |
| | 2000 Hz | 95.60 | 0.00 | | 85.09 | 48.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.45 |
| | 4000 Hz | 86.90 | 0.00 | | 85.09 | 166.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.22 |
| | 8000 Hz | 65.40 | 0.00 | | 85.09 | 592.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -608.84 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.41 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.38 |
| | 125 Hz | 111.00 | 0.00 | | 83.41 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.87 |
| | 250 Hz | 106.60 | 0.00 | | 83.41 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.83 |
| | 500 Hz | 103.70 | 0.00 | | 83.41 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.24 |
| | 1000 Hz | 99.80 | 0.00 | | 83.41 | 15.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.12 |
| | 2000 Hz | 95.60 | 0.00 | | 83.41 | 40.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.17 |
| | 4000 Hz | 86.90 | 0.00 | | 83.41 | 136.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.35 |
| | 8000 Hz | 65.40 | 0.00 | | 83.41 | 488.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -503.08 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.29 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.11 |
| | 125 Hz | 110.20 | 0.00 | | 83.29 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.22 |
| | 250 Hz | 105.30 | 0.00 | | 83.29 | 4.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.71 |
| | 500 Hz | 102.70 | 0.00 | | 83.29 | 7.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.47 |
| | 1000 Hz | 99.80 | 0.00 | | 83.29 | 15.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.45 |
| | 2000 Hz | 95.50 | 0.00 | | 83.29 | 39.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.59 |
| | 4000 Hz | 84.90 | 0.00 | | 83.29 | 134.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.34 |
| | 8000 Hz | 61.80 | 0.00 | | 83.29 | 481.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -499.80 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.38 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.01 |
| | 125 Hz | 110.20 | 0.00 | | 83.38 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.11 |
| | 250 Hz | 105.30 | 0.00 | | 83.38 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.58 |
| | 500 Hz | 102.70 | 0.00 | | 83.38 | 8.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.30 |
| | 1000 Hz | 99.80 | 0.00 | | 83.38 | 15.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.20 |
| | 2000 Hz | 95.50 | 0.00 | | 83.38 | 40.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.10 |
| | 4000 Hz | 84.90 | 0.00 | | 83.38 | 136.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.85 |
| | 8000 Hz | 61.80 | 0.00 | | 83.38 | 486.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -504.97 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.02 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.85 |
| | 125 Hz | 111.00 | 0.00 | | 82.02 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.52 |
| | 250 Hz | 106.60 | 0.00 | | 82.02 | 3.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.87 |
| | 500 Hz | 103.70 | 0.00 | | 82.02 | 6.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.83 |
| | 1000 Hz | 99.80 | 0.00 | | 82.02 | 13.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.77 |
| | 2000 Hz | 95.60 | 0.00 | | 82.02 | 34.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.79 |
| | 4000 Hz | 86.90 | 0.00 | | 82.02 | 116.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.68 |
| | 8000 Hz | 65.40 | 0.00 | | 82.02 | 415.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -429.35 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.14 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.72 |
| | 125 Hz | 111.00 | 0.00 | | 82.14 | 1.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.37 |
| | 250 Hz | 106.60 | 0.00 | | 82.14 | 3.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.69 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 103.70 | 0.00 | | 82.14 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.60 |
| | 1000 Hz | 99.80 | 0.00 | | 82.14 | 13.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.46 |
| | 2000 Hz | 95.60 | 0.00 | | 82.14 | 34.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.42 |
| | 4000 Hz | 86.90 | 0.00 | | 82.14 | 118.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.50 |
| | 8000 Hz | 65.40 | 0.00 | | 82.14 | 421.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -435.52 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 78.39 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.13 |
| | 125 Hz | 104.80 | 0.00 | | 78.39 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.45 |
| | 250 Hz | 101.20 | 0.00 | | 78.39 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.37 |
| | 500 Hz | 96.80 | 0.00 | | 78.39 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.90 |
| | 1000 Hz | 92.70 | 0.00 | | 78.39 | 8.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.75 |
| | 2000 Hz | 90.50 | 0.00 | | 78.39 | 22.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.51 |
| | 4000 Hz | 84.90 | 0.00 | | 78.39 | 76.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.20 |
| | 8000 Hz | 70.70 | 0.00 | | 78.39 | 273.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -278.31 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 83.04 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.67 |
| | 125 Hz | 106.90 | 0.00 | | 83.04 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.21 |
| | 250 Hz | 104.10 | 0.00 | | 83.04 | 4.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.88 |
| | 500 Hz | 100.40 | 0.00 | | 83.04 | 7.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.64 |
| | 1000 Hz | 96.10 | 0.00 | | 83.04 | 14.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.42 |
| | 2000 Hz | 90.70 | 0.00 | | 83.04 | 38.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.02 |
| | 4000 Hz | 83.90 | 0.00 | | 83.04 | 131.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.31 |
| | 8000 Hz | 75.80 | 0.00 | | 83.04 | 467.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -472.06 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 82.31 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.44 |
| | 125 Hz | 108.80 | 0.00 | | 82.31 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.97 |
| | 250 Hz | 106.10 | 0.00 | | 82.31 | 3.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.95 |
| | 500 Hz | 102.40 | 0.00 | | 82.31 | 7.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.99 |
| | 1000 Hz | 98.10 | 0.00 | | 82.31 | 13.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.33 |
| | 2000 Hz | 92.80 | 0.00 | | 82.31 | 35.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.08 |
| | 4000 Hz | 85.90 | 0.00 | | 82.31 | 120.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.01 |
| | 8000 Hz | 77.90 | 0.00 | | 82.31 | 430.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -431.52 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 81.30 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.50 |
| | 125 Hz | 106.90 | 0.00 | | 81.30 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.25 |
| | 250 Hz | 104.10 | 0.00 | | 81.30 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.38 |
| | 500 Hz | 100.40 | 0.00 | | 81.30 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.78 |
| | 1000 Hz | 96.10 | 0.00 | | 81.30 | 11.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.82 |
| | 2000 Hz | 90.70 | 0.00 | | 81.30 | 31.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.26 |
| | 4000 Hz | 83.90 | 0.00 | | 81.30 | 107.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.74 |
| | 8000 Hz | 75.80 | 0.00 | | 81.30 | 382.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -385.35 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.80 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.18 |
| | 125 Hz | 108.80 | 0.00 | | 75.80 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.28 |
| | 250 Hz | 106.10 | 0.00 | | 75.80 | 1.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.48 |
| | 500 Hz | 102.40 | 0.00 | | 75.80 | 3.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.24 |
| | 1000 Hz | 98.10 | 0.00 | | 75.80 | 6.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.93 |
| | 2000 Hz | 92.80 | 0.00 | | 75.80 | 16.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.19 |
| | 4000 Hz | 85.90 | 0.00 | | 75.80 | 56.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.90 |
| | 8000 Hz | 77.90 | 0.00 | | 75.80 | 203.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.18 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.30 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.62 |
| | 125 Hz | 110.70 | 0.00 | | 74.30 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.79 |
| | 250 Hz | 108.00 | 0.00 | | 74.30 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.17 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 500 Hz | 104.50 | 0.00 | | 74.30 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.38 |
| | 1000 Hz | 100.10 | 0.00 | | 74.30 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.44 |
| | 2000 Hz | 94.80 | 0.00 | | 74.30 | 14.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.35 |
| | 4000 Hz | 87.90 | 0.00 | | 74.30 | 47.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.36 |
| | 8000 Hz | 79.90 | 0.00 | | 74.30 | 171.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -162.43 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.25 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.92 |
| | 125 Hz | 110.90 | 0.00 | | 71.25 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.23 |
| | 250 Hz | 108.10 | 0.00 | | 71.25 | 1.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.78 |
| | 500 Hz | 104.40 | 0.00 | | 71.25 | 1.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.17 |
| | 1000 Hz | 100.10 | 0.00 | | 71.25 | 3.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.08 |
| | 2000 Hz | 94.80 | 0.00 | | 71.25 | 9.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.60 |
| | 4000 Hz | 88.00 | 0.00 | | 71.25 | 33.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.99 |
| | 8000 Hz | 80.00 | 0.00 | | 71.25 | 120.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -108.58 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.45 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.49 |
| | 125 Hz | 110.70 | 0.00 | | 73.45 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.71 |
| | 250 Hz | 108.00 | 0.00 | | 73.45 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.17 |
| | 500 Hz | 104.50 | 0.00 | | 73.45 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.50 |
| | 1000 Hz | 100.10 | 0.00 | | 73.45 | 4.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.80 |
| | 2000 Hz | 94.80 | 0.00 | | 73.45 | 12.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.54 |
| | 4000 Hz | 87.90 | 0.00 | | 73.45 | 43.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.00 |
| | 8000 Hz | 79.90 | 0.00 | | 73.45 | 154.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -145.51 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 66.99 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.23 |
| | 125 Hz | 110.90 | 0.00 | | 66.99 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.65 |
| | 250 Hz | 108.10 | 0.00 | | 66.99 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.45 |
| | 500 Hz | 104.40 | 0.00 | | 66.99 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.20 |
| | 1000 Hz | 100.10 | 0.00 | | 66.99 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.81 |
| | 2000 Hz | 94.80 | 0.00 | | 66.99 | 6.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.72 |
| | 4000 Hz | 88.00 | 0.00 | | 66.99 | 20.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 |
| | 8000 Hz | 80.00 | 0.00 | | 66.99 | 73.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.66 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 67.04 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.98 |
| | 125 Hz | 110.70 | 0.00 | | 67.04 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.40 |
| | 250 Hz | 108.00 | 0.00 | | 67.04 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.30 |
| | 500 Hz | 104.50 | 0.00 | | 67.04 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.24 |
| | 1000 Hz | 100.10 | 0.00 | | 67.04 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.74 |
| | 2000 Hz | 94.80 | 0.00 | | 67.04 | 6.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.63 |
| | 4000 Hz | 87.90 | 0.00 | | 67.04 | 20.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 |
| | 8000 Hz | 79.90 | 0.00 | | 67.04 | 74.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.24 |

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| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt016 | IP N | 378625.52 | | 5775883.27 | | 65.990 | | 45.00 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 83.71 | 8.31 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 77.16 | 3.91 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 12.24 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 75.84 | 3.36 | 4.39 | 0.00 | 0.00 | 0.38 | 0.00 | 14.03 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 82.20 | 6.99 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 | -89.96 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
|---------|---------------------|--------|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 84.13 | 0.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.74 |
| | 125 Hz | 102.50 | 0.00 | | 84.13 | 1.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.73 |
| | 250 Hz | 99.20 | 0.00 | | 84.13 | 4.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 8.56 |
| | 500 Hz | 96.00 | 0.00 | | 84.13 | 8.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 1.35 |
| | 1000 Hz | 92.30 | 0.00 | | 84.13 | 16.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -10.20 |
| | 2000 Hz | 89.10 | 0.00 | | 84.13 | 43.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -40.65 |
| | 4000 Hz | 85.30 | 0.00 | | 84.13 | 148.68 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -149.28 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 83.85 | 0.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.05 |
| | 125 Hz | 105.50 | 0.00 | | 83.85 | 1.80 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 18.08 |
| | 250 Hz | 102.20 | 0.00 | | 83.85 | 4.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.00 |
| | 500 Hz | 99.00 | 0.00 | | 83.85 | 8.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.92 |
| | 1000 Hz | 95.30 | 0.00 | | 83.85 | 16.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -6.37 |
| | 2000 Hz | 92.10 | 0.00 | | 83.85 | 42.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -35.93 |
| | 4000 Hz | 88.30 | 0.00 | | 83.85 | 143.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -141.16 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.97 | 0.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.49 |
| | 63 Hz | 116.40 | 0.00 | | 84.97 | 0.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 29.05 |
| | 125 Hz | 110.70 | 0.00 | | 84.97 | 2.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.90 |
| | 250 Hz | 104.40 | 0.00 | | 84.97 | 5.21 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.44 |
| | 500 Hz | 101.20 | 0.00 | | 84.97 | 9.63 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.82 |
| | 1000 Hz | 99.40 | 0.00 | | 84.97 | 18.28 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -5.63 |
| | 2000 Hz | 93.80 | 0.00 | | 84.97 | 48.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -41.25 |
| | 4000 Hz | 86.70 | 0.00 | | 84.97 | 163.80 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -163.84 |
| | 8000 Hz | 78.40 | 0.00 | | 84.97 | 584.21 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -592.56 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.88 | 0.09 | -3.00 | 0.00 | 0.00 | 0.10 | 0.00 | | 43.33 |
| | 63 Hz | 116.40 | 0.00 | | 79.88 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.18 |
| | 125 Hz | 110.70 | 0.00 | | 79.88 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.68 |
| | 250 Hz | 104.40 | 0.00 | | 79.88 | 2.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.62 |
| | 500 Hz | 101.20 | 0.00 | | 79.88 | 5.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.96 |
| | 1000 Hz | 99.40 | 0.00 | | 79.88 | 10.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.35 |
| | 2000 Hz | 93.80 | 0.00 | | 79.88 | 26.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.95 |
| | 4000 Hz | 86.70 | 0.00 | | 79.88 | 91.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.30 |
| | 8000 Hz | 78.40 | 0.00 | | 79.88 | 325.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -323.49 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.83 | 0.14 | -3.00 | 0.00 | 0.00 | 4.65 | 0.00 | | 34.78 |
| | 63 Hz | 116.40 | 0.00 | | 83.83 | 0.53 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | | 30.51 |
| | 125 Hz | 110.70 | 0.00 | | 83.83 | 1.80 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 23.80 |
| | 250 Hz | 104.40 | 0.00 | | 83.83 | 4.57 | -3.00 | 0.00 | 0.00 | 3.69 | 0.00 | | 15.30 |
| | 500 Hz | 101.20 | 0.00 | | 83.83 | 8.45 | -3.00 | 0.00 | 0.00 | 2.25 | 0.00 | | 9.67 |
| | 1000 Hz | 99.40 | 0.00 | | 83.83 | 16.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.54 |
| | 2000 Hz | 93.80 | 0.00 | | 83.83 | 42.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.39 |
| | 4000 Hz | 86.70 | 0.00 | | 83.83 | 143.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -137.76 |
| | 8000 Hz | 78.40 | 0.00 | | 83.83 | 512.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -514.70 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.39 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.09 |
| | 63 Hz | 116.40 | 0.00 | | 84.39 | 0.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 29.67 |
| | 125 Hz | 110.70 | 0.00 | | 84.39 | 1.92 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.62 |
| | 250 Hz | 104.40 | 0.00 | | 84.39 | 4.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.37 |
| | 500 Hz | 101.20 | 0.00 | | 84.39 | 9.00 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.04 |
| | 1000 Hz | 99.40 | 0.00 | | 84.39 | 17.08 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | -3.83 |
| | 2000 Hz | 93.80 | 0.00 | | 84.39 | 45.14 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | -37.48 |
| | 4000 Hz | 86.70 | 0.00 | | 84.39 | 153.08 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | | -152.49 |
| | 8000 Hz | 78.40 | 0.00 | | 84.39 | 545.98 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | -553.65 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.78 | 0.12 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | 35.93 |
| | 63 Hz | 116.40 | 0.00 | | 82.78 | 0.47 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | 31.80 |
| | 125 Hz | 110.70 | 0.00 | | 82.78 | 1.59 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | 25.44 |
| | 250 Hz | 104.40 | 0.00 | | 82.78 | 4.05 | -3.00 | 0.00 | 0.00 | 2.78 | 0.00 | 17.80 |
| | 500 Hz | 101.20 | 0.00 | | 82.78 | 7.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.94 |
| | 1000 Hz | 99.40 | 0.00 | | 82.78 | 14.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.43 |
| | 2000 Hz | 93.80 | 0.00 | | 82.78 | 37.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.48 |
| | 4000 Hz | 86.70 | 0.00 | | 82.78 | 127.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -120.25 |
| | 8000 Hz | 78.40 | 0.00 | | 82.78 | 453.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -454.95 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.32 | 0.13 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 35.26 |
| | 63 Hz | 116.40 | 0.00 | | 83.32 | 0.50 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 30.97 |
| | 125 Hz | 110.70 | 0.00 | | 83.32 | 1.70 | -3.00 | 0.00 | 0.00 | 4.43 | 0.00 | 24.24 |
| | 250 Hz | 104.40 | 0.00 | | 83.32 | 4.31 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | 15.70 |
| | 500 Hz | 101.20 | 0.00 | | 83.32 | 7.97 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | 9.68 |
| | 1000 Hz | 99.40 | 0.00 | | 83.32 | 15.11 | -3.00 | 0.00 | 0.00 | 0.82 | 0.00 | 3.14 |
| | 2000 Hz | 93.80 | 0.00 | | 83.32 | 39.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.46 |
| | 4000 Hz | 86.70 | 0.00 | | 83.32 | 135.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -129.06 |
| | 8000 Hz | 78.40 | 0.00 | | 83.32 | 483.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -484.99 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.51 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.97 |
| | 63 Hz | 116.40 | 0.00 | | 84.51 | 0.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.54 |
| | 125 Hz | 110.70 | 0.00 | | 84.51 | 1.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.47 |
| | 250 Hz | 104.40 | 0.00 | | 84.51 | 4.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.17 |
| | 500 Hz | 101.20 | 0.00 | | 84.51 | 9.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.78 |
| | 1000 Hz | 99.40 | 0.00 | | 84.51 | 17.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -4.21 |
| | 2000 Hz | 93.80 | 0.00 | | 84.51 | 45.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -38.28 |
| | 4000 Hz | 86.70 | 0.00 | | 84.51 | 155.29 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -154.87 |
| | 8000 Hz | 78.40 | 0.00 | | 84.51 | 553.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -561.74 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.46 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 34.02 |
| | 63 Hz | 116.40 | 0.00 | | 84.46 | 0.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.60 |
| | 125 Hz | 110.70 | 0.00 | | 84.46 | 1.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.54 |
| | 250 Hz | 104.40 | 0.00 | | 84.46 | 4.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.26 |
| | 500 Hz | 101.20 | 0.00 | | 84.46 | 9.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.90 |
| | 1000 Hz | 99.40 | 0.00 | | 84.46 | 17.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -4.05 |
| | 2000 Hz | 93.80 | 0.00 | | 84.46 | 45.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -37.93 |
| | 4000 Hz | 86.70 | 0.00 | | 84.46 | 154.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -153.83 |
| | 8000 Hz | 78.40 | 0.00 | | 84.46 | 550.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -558.17 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 83.72 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.24 |
| | 63 Hz | 113.10 | 0.00 | | 83.72 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.85 |
| | 125 Hz | 107.40 | 0.00 | | 83.72 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.90 |
| | 250 Hz | 101.10 | 0.00 | | 83.72 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.87 |
| | 500 Hz | 97.90 | 0.00 | | 83.72 | 8.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.84 |
| | 1000 Hz | 96.10 | 0.00 | | 83.72 | 15.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.44 |
| | 2000 Hz | 90.50 | 0.00 | | 83.72 | 41.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -32.03 |
| | 4000 Hz | 83.40 | 0.00 | | 83.72 | 141.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -139.09 |
| | 8000 Hz | 75.10 | 0.00 | | 83.72 | 505.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -511.26 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.71 | 0.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.76 |
| | 63 Hz | 116.40 | 0.00 | | 84.71 | 0.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.32 |
| | 125 Hz | 110.70 | 0.00 | | 84.71 | 1.99 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.22 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 84.71 | 5.06 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.85 |
| | 500 Hz | 101.20 | 0.00 | | 84.71 | 9.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.36 |
| | 1000 Hz | 99.40 | 0.00 | | 84.71 | 17.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -4.83 |
| | 2000 Hz | 93.80 | 0.00 | | 84.71 | 46.88 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -39.56 |
| | 4000 Hz | 86.70 | 0.00 | | 84.71 | 158.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -158.75 |
| | 8000 Hz | 78.40 | 0.00 | | 84.71 | 566.98 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -575.06 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.29 | 0.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.17 |
| | 63 Hz | 116.40 | 0.00 | | 85.29 | 0.63 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.70 |
| | 125 Hz | 110.70 | 0.00 | | 85.29 | 2.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.50 |
| | 250 Hz | 104.40 | 0.00 | | 85.29 | 5.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.92 |
| | 500 Hz | 101.20 | 0.00 | | 85.29 | 10.00 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.14 |
| | 1000 Hz | 99.40 | 0.00 | | 85.29 | 18.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -6.63 |
| | 2000 Hz | 93.80 | 0.00 | | 85.29 | 50.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -43.38 |
| | 4000 Hz | 86.70 | 0.00 | | 85.29 | 169.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -170.32 |
| | 8000 Hz | 78.40 | 0.00 | | 85.29 | 606.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -614.82 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 85.79 | 0.67 | -3.00 | 0.00 | 0.00 | 1.14 | 0.00 | | 24.10 |
| | 125 Hz | 104.80 | 0.00 | | 85.79 | 2.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.75 |
| | 250 Hz | 101.50 | 0.00 | | 85.79 | 5.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.98 |
| | 500 Hz | 97.10 | 0.00 | | 85.79 | 10.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.72 |
| | 1000 Hz | 91.00 | 0.00 | | 85.79 | 20.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.88 |
| | 2000 Hz | 86.30 | 0.00 | | 85.79 | 53.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.57 |
| | 4000 Hz | 80.30 | 0.00 | | 85.79 | 179.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.49 |
| | 8000 Hz | 74.00 | 0.00 | | 85.79 | 641.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -650.76 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.34 | 0.19 | -3.00 | 0.00 | 0.00 | 3.41 | 0.00 | | 28.06 |
| | 63 Hz | 113.00 | 0.00 | | 86.34 | 0.71 | -3.00 | 0.00 | 0.00 | 1.42 | 0.00 | | 27.52 |
| | 125 Hz | 108.60 | 0.00 | | 86.34 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.85 |
| | 250 Hz | 105.70 | 0.00 | | 86.34 | 6.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.26 |
| | 500 Hz | 101.70 | 0.00 | | 86.34 | 11.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.08 |
| | 1000 Hz | 95.50 | 0.00 | | 86.34 | 21.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.24 |
| | 2000 Hz | 89.70 | 0.00 | | 86.34 | 56.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.18 |
| | 4000 Hz | 82.20 | 0.00 | | 86.34 | 191.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -192.86 |
| | 8000 Hz | 74.00 | 0.00 | | 86.34 | 683.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -693.14 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.60 | 0.19 | -3.00 | 0.00 | 0.00 | 3.46 | 0.00 | | 27.75 |
| | 63 Hz | 113.00 | 0.00 | | 86.60 | 0.73 | -3.00 | 0.00 | 0.00 | 1.57 | 0.00 | | 27.09 |
| | 125 Hz | 108.60 | 0.00 | | 86.60 | 2.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.53 |
| | 250 Hz | 105.70 | 0.00 | | 86.60 | 6.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.82 |
| | 500 Hz | 101.70 | 0.00 | | 86.60 | 11.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.49 |
| | 1000 Hz | 95.50 | 0.00 | | 86.60 | 22.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.14 |
| | 2000 Hz | 89.70 | 0.00 | | 86.60 | 58.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.13 |
| | 4000 Hz | 82.20 | 0.00 | | 86.60 | 197.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.87 |
| | 8000 Hz | 74.00 | 0.00 | | 86.60 | 704.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -713.91 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 82.98 | 0.13 | -3.00 | 0.00 | 0.00 | 0.29 | 0.00 | | 34.50 |
| | 63 Hz | 111.30 | 0.00 | | 82.98 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.83 |
| | 125 Hz | 107.40 | 0.00 | | 82.98 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.78 |
| | 250 Hz | 102.80 | 0.00 | | 82.98 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.67 |
| | 500 Hz | 99.70 | 0.00 | | 82.98 | 7.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.05 |
| | 1000 Hz | 96.60 | 0.00 | | 82.98 | 14.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.08 |
| | 2000 Hz | 91.70 | 0.00 | | 82.98 | 38.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.70 |
| | 4000 Hz | 85.00 | 0.00 | | 82.98 | 130.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.25 |
| | 8000 Hz | 87.30 | 0.00 | | 82.98 | 464.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -457.28 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.04 | 0.69 | -3.00 | 0.00 | 0.00 | 3.54 | 0.00 | | 24.63 |
| | 125 Hz | 108.60 | 0.00 | | 86.04 | 2.32 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 21.39 |
| | 250 Hz | 103.40 | 0.00 | | 86.04 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.47 |
| | 500 Hz | 99.10 | 0.00 | | 86.04 | 10.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.18 |
| | 1000 Hz | 98.00 | 0.00 | | 86.04 | 20.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.69 |
| | 2000 Hz | 89.80 | 0.00 | | 86.04 | 54.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.82 |
| | 4000 Hz | 85.30 | 0.00 | | 86.04 | 185.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.84 |
| | 8000 Hz | 80.10 | 0.00 | | 86.04 | 660.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -663.14 |
| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 85.89 | 0.18 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | 31.39 |
| | 63 Hz | 112.30 | 0.00 | | 85.89 | 0.68 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 25.33 |
| | 125 Hz | 108.10 | 0.00 | | 85.89 | 2.28 | -3.00 | 0.00 | 0.00 | 1.42 | 0.00 | | 21.50 |
| | 250 Hz | 103.50 | 0.00 | | 85.89 | 5.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.81 |
| | 500 Hz | 100.70 | 0.00 | | 85.89 | 10.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.10 |
| | 1000 Hz | 98.30 | 0.00 | | 85.89 | 20.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.92 |
| | 2000 Hz | 93.80 | 0.00 | | 85.89 | 53.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.79 |
| | 4000 Hz | 86.20 | 0.00 | | 85.89 | 182.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.80 |
| | 8000 Hz | 78.20 | 0.00 | | 85.89 | 649.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -654.19 |
| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 85.26 | 0.17 | -3.00 | 0.00 | 0.00 | 2.94 | 0.00 | | 31.23 |
| | 63 Hz | 111.70 | 0.00 | | 85.26 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.81 |
| | 125 Hz | 106.40 | 0.00 | | 85.26 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.02 |
| | 250 Hz | 102.10 | 0.00 | | 85.26 | 5.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.45 |
| | 500 Hz | 99.10 | 0.00 | | 85.26 | 9.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.89 |
| | 1000 Hz | 96.90 | 0.00 | | 85.26 | 18.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.25 |
| | 2000 Hz | 90.50 | 0.00 | | 85.26 | 49.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.67 |
| | 4000 Hz | 81.00 | 0.00 | | 85.26 | 169.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -170.52 |
| | 8000 Hz | 76.50 | 0.00 | | 85.26 | 603.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -609.44 |
| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 86.97 | 0.20 | -3.00 | 0.00 | 0.00 | 4.32 | 0.00 | | 30.01 |
| | 63 Hz | 110.40 | 0.00 | | 86.97 | 0.77 | -3.00 | 0.00 | 0.00 | 3.81 | 0.00 | | 21.85 |
| | 125 Hz | 107.20 | 0.00 | | 86.97 | 2.59 | -3.00 | 0.00 | 0.00 | 2.59 | 0.00 | | 18.05 |
| | 250 Hz | 101.70 | 0.00 | | 86.97 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.16 |
| | 500 Hz | 98.20 | 0.00 | | 86.97 | 12.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.10 |
| | 1000 Hz | 95.60 | 0.00 | | 86.97 | 23.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.38 |
| | 2000 Hz | 93.70 | 0.00 | | 86.97 | 60.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.08 |
| | 4000 Hz | 90.70 | 0.00 | | 86.97 | 206.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.47 |
| | 8000 Hz | 79.50 | 0.00 | | 86.97 | 735.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -739.90 |
| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.12 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.50 |
| | 63 Hz | 111.60 | 0.00 | | 86.12 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.78 |
| | 125 Hz | 108.60 | 0.00 | | 86.12 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.13 |
| | 250 Hz | 106.50 | 0.00 | | 86.12 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.43 |
| | 500 Hz | 102.90 | 0.00 | | 86.12 | 10.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.78 |
| | 1000 Hz | 99.60 | 0.00 | | 86.12 | 20.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.38 |
| | 2000 Hz | 95.90 | 0.00 | | 86.12 | 55.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.35 |
| | 4000 Hz | 90.10 | 0.00 | | 86.12 | 186.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -179.95 |
| | 8000 Hz | 76.30 | 0.00 | | 86.12 | 666.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -673.54 |
| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 86.34 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.27 |
| | 63 Hz | 111.60 | 0.00 | | 86.34 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.55 |
| | 125 Hz | 108.60 | 0.00 | | 86.34 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.86 |
| | 250 Hz | 106.50 | 0.00 | | 86.34 | 6.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.06 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.90 | 0.00 | | 86.34 | 11.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.29 |
| | 1000 Hz | 99.60 | 0.00 | | 86.34 | 21.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.13 |
| | 2000 Hz | 95.90 | 0.00 | | 86.34 | 56.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.96 |
| | 4000 Hz | 90.10 | 0.00 | | 86.34 | 191.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -184.90 |
| | 8000 Hz | 76.30 | 0.00 | | 86.34 | 683.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -690.63 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.96 | 0.16 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | | 27.61 |
| | 63 Hz | 111.60 | 0.00 | | 84.96 | 0.61 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | | 25.80 |
| | 125 Hz | 108.60 | 0.00 | | 84.96 | 2.05 | -3.00 | 0.00 | 0.00 | 0.86 | 0.00 | | 23.72 |
| | 250 Hz | 106.50 | 0.00 | | 84.96 | 5.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.33 |
| | 500 Hz | 102.90 | 0.00 | | 84.96 | 9.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.32 |
| | 1000 Hz | 99.60 | 0.00 | | 84.96 | 18.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.62 |
| | 2000 Hz | 95.90 | 0.00 | | 84.96 | 48.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.30 |
| | 4000 Hz | 90.10 | 0.00 | | 84.96 | 163.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -155.44 |
| | 8000 Hz | 76.30 | 0.00 | | 84.96 | 583.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -589.08 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.90 | 0.16 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | | 27.63 |
| | 63 Hz | 111.60 | 0.00 | | 84.90 | 0.60 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 25.76 |
| | 125 Hz | 108.60 | 0.00 | | 84.90 | 2.04 | -3.00 | 0.00 | 0.00 | 1.23 | 0.00 | | 23.44 |
| | 250 Hz | 106.50 | 0.00 | | 84.90 | 5.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.44 |
| | 500 Hz | 102.90 | 0.00 | | 84.90 | 9.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.46 |
| | 1000 Hz | 99.60 | 0.00 | | 84.90 | 18.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.41 |
| | 2000 Hz | 95.90 | 0.00 | | 84.90 | 47.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.86 |
| | 4000 Hz | 90.10 | 0.00 | | 84.90 | 162.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -154.12 |
| | 8000 Hz | 76.30 | 0.00 | | 84.90 | 578.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -584.55 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.30 | 0.17 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | | 27.24 |
| | 63 Hz | 111.60 | 0.00 | | 85.30 | 0.63 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | | 25.38 |
| | 125 Hz | 108.60 | 0.00 | | 85.30 | 2.13 | -3.00 | 0.00 | 0.00 | 1.07 | 0.00 | | 23.09 |
| | 250 Hz | 106.50 | 0.00 | | 85.30 | 5.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.79 |
| | 500 Hz | 102.90 | 0.00 | | 85.30 | 10.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.60 |
| | 1000 Hz | 99.60 | 0.00 | | 85.30 | 18.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.68 |
| | 2000 Hz | 95.90 | 0.00 | | 85.30 | 50.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.55 |
| | 4000 Hz | 90.10 | 0.00 | | 85.30 | 170.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.27 |
| | 8000 Hz | 76.30 | 0.00 | | 85.30 | 606.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -612.58 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.82 | 0.14 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | | 28.80 |
| | 63 Hz | 111.60 | 0.00 | | 83.82 | 0.53 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 27.09 |
| | 125 Hz | 108.60 | 0.00 | | 83.82 | 1.80 | -3.00 | 0.00 | 0.00 | 0.62 | 0.00 | | 25.36 |
| | 250 Hz | 106.50 | 0.00 | | 83.82 | 4.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.11 |
| | 500 Hz | 102.90 | 0.00 | | 83.82 | 8.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.64 |
| | 1000 Hz | 99.60 | 0.00 | | 83.82 | 16.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.77 |
| | 2000 Hz | 95.90 | 0.00 | | 83.82 | 42.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.22 |
| | 4000 Hz | 90.10 | 0.00 | | 83.82 | 143.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.15 |
| | 8000 Hz | 76.30 | 0.00 | | 83.82 | 511.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -516.07 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.94 | 0.14 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | | 28.88 |
| | 63 Hz | 111.60 | 0.00 | | 83.94 | 0.54 | -3.00 | 0.00 | 0.00 | 2.65 | 0.00 | | 27.47 |
| | 125 Hz | 108.60 | 0.00 | | 83.94 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.83 |
| | 250 Hz | 106.50 | 0.00 | | 83.94 | 4.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.93 |
| | 500 Hz | 102.90 | 0.00 | | 83.94 | 8.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.40 |
| | 1000 Hz | 99.60 | 0.00 | | 83.94 | 16.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.43 |
| | 2000 Hz | 95.90 | 0.00 | | 83.94 | 42.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.93 |
| | 4000 Hz | 90.10 | 0.00 | | 83.94 | 145.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.28 |
| | 8000 Hz | 76.30 | 0.00 | | 83.94 | 518.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -523.39 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.59 | 0.15 | -3.00 | 0.00 | 0.00 | 4.02 | 0.00 | 28.04 |
| | 63 Hz | 111.60 | 0.00 | | 84.59 | 0.58 | -3.00 | 0.00 | 0.00 | 3.10 | 0.00 | 26.33 |
| | 125 Hz | 108.60 | 0.00 | | 84.59 | 1.96 | -3.00 | 0.00 | 0.00 | 0.42 | 0.00 | 24.63 |
| | 250 Hz | 106.50 | 0.00 | | 84.59 | 4.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.92 |
| | 500 Hz | 102.90 | 0.00 | | 84.59 | 9.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.10 |
| | 1000 Hz | 99.60 | 0.00 | | 84.59 | 17.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| | 2000 Hz | 95.90 | 0.00 | | 84.59 | 46.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.89 |
| | 4000 Hz | 90.10 | 0.00 | | 84.59 | 156.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -148.17 |
| | 8000 Hz | 76.30 | 0.00 | | 84.59 | 558.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -564.10 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 87.24 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -78.13 |
| | 125 Hz | 5.20 | 0.00 | | 87.24 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -81.71 |
| | 250 Hz | 1.90 | 0.00 | | 87.24 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.11 |
| | 500 Hz | -1.30 | 0.00 | | 87.24 | 12.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -98.05 |
| | 1000 Hz | -5.00 | 0.00 | | 87.24 | 23.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -112.98 |
| | 2000 Hz | -8.20 | 0.00 | | 87.24 | 62.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -155.16 |
| | 4000 Hz | -12.00 | 0.00 | | 87.24 | 212.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -308.93 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 78.25 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.67 |
| | 125 Hz | 106.50 | 0.00 | | 78.25 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.30 |
| | 250 Hz | 103.20 | 0.00 | | 78.25 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.54 |
| | 500 Hz | 100.00 | 0.00 | | 78.25 | 4.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.31 |
| | 1000 Hz | 96.30 | 0.00 | | 78.25 | 8.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.62 |
| | 2000 Hz | 93.10 | 0.00 | | 78.25 | 22.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.43 |
| | 4000 Hz | 89.30 | 0.00 | | 78.25 | 75.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -61.49 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.29 | 0.13 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | 29.90 |
| | 63 Hz | 110.90 | 0.00 | | 83.29 | 0.50 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | 25.94 |
| | 125 Hz | 108.00 | 0.00 | | 83.29 | 1.69 | -3.00 | 0.00 | 0.00 | 3.48 | 0.00 | 22.54 |
| | 250 Hz | 103.80 | 0.00 | | 83.29 | 4.29 | -3.00 | 0.00 | 0.00 | 1.63 | 0.00 | 17.58 |
| | 500 Hz | 101.90 | 0.00 | | 83.29 | 7.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.68 |
| | 1000 Hz | 98.90 | 0.00 | | 83.29 | 15.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 |
| | 2000 Hz | 94.60 | 0.00 | | 83.29 | 39.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.47 |
| | 4000 Hz | 88.20 | 0.00 | | 83.29 | 134.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.99 |
| | 8000 Hz | 78.80 | 0.00 | | 83.29 | 481.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -482.64 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.74 | 0.12 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | 30.32 |
| | 63 Hz | 110.90 | 0.00 | | 82.74 | 0.47 | -3.00 | 0.00 | 0.00 | 4.47 | 0.00 | 26.22 |
| | 125 Hz | 108.00 | 0.00 | | 82.74 | 1.59 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | 22.52 |
| | 250 Hz | 103.80 | 0.00 | | 82.74 | 4.03 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | 16.58 |
| | 500 Hz | 101.90 | 0.00 | | 82.74 | 7.44 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | 13.17 |
| | 1000 Hz | 98.90 | 0.00 | | 82.74 | 14.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 |
| | 2000 Hz | 94.60 | 0.00 | | 82.74 | 37.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.46 |
| | 4000 Hz | 88.20 | 0.00 | | 82.74 | 126.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.11 |
| | 8000 Hz | 78.80 | 0.00 | | 82.74 | 451.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -452.40 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.26 | 0.13 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | 29.77 |
| | 63 Hz | 110.90 | 0.00 | | 83.26 | 0.50 | -3.00 | 0.00 | 0.00 | 4.49 | 0.00 | 25.65 |
| | 125 Hz | 108.00 | 0.00 | | 83.26 | 1.69 | -3.00 | 0.00 | 0.00 | 4.19 | 0.00 | 21.86 |
| | 250 Hz | 103.80 | 0.00 | | 83.26 | 4.28 | -3.00 | 0.00 | 0.00 | 3.53 | 0.00 | 15.73 |
| | 500 Hz | 101.90 | 0.00 | | 83.26 | 7.91 | -3.00 | 0.00 | 0.00 | 1.77 | 0.00 | 11.95 |
| | 1000 Hz | 98.90 | 0.00 | | 83.26 | 15.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.63 |
| | 2000 Hz | 94.60 | 0.00 | | 83.26 | 39.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.33 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 88.20 | 0.00 | | 83.26 | 134.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.58 |
| | 8000 Hz | 78.80 | 0.00 | | 83.26 | 479.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -481.22 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.18 | 0.12 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 30.99 |
| | 63 Hz | 110.90 | 0.00 | | 82.18 | 0.44 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | | 27.04 |
| | 125 Hz | 108.00 | 0.00 | | 82.18 | 1.49 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 23.70 |
| | 250 Hz | 103.80 | 0.00 | | 82.18 | 3.78 | -3.00 | 0.00 | 0.00 | 2.08 | 0.00 | | 18.75 |
| | 500 Hz | 101.90 | 0.00 | | 82.18 | 6.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.73 |
| | 1000 Hz | 98.90 | 0.00 | | 82.18 | 13.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.47 |
| | 2000 Hz | 94.60 | 0.00 | | 82.18 | 35.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.60 |
| | 4000 Hz | 88.20 | 0.00 | | 82.18 | 118.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.73 |
| | 8000 Hz | 78.80 | 0.00 | | 82.18 | 423.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -423.92 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 77.55 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.58 |
| | 63 Hz | 122.10 | 0.00 | | 77.55 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.29 |
| | 125 Hz | 115.00 | 0.00 | | 77.55 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.58 |
| | 250 Hz | 108.00 | 0.00 | | 77.55 | 2.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.23 |
| | 500 Hz | 103.90 | 0.00 | | 77.55 | 4.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.25 |
| | 1000 Hz | 101.60 | 0.00 | | 77.55 | 7.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.27 |
| | 2000 Hz | 96.70 | 0.00 | | 77.55 | 20.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.60 |
| | 4000 Hz | 88.60 | 0.00 | | 77.55 | 69.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.63 |
| | 8000 Hz | 80.90 | 0.00 | | 77.55 | 248.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.18 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 78.20 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.02 |
| | 125 Hz | 109.80 | 0.00 | | 78.20 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.65 |
| | 250 Hz | 107.40 | 0.00 | | 78.20 | 2.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.81 |
| | 500 Hz | 101.60 | 0.00 | | 78.20 | 4.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.98 |
| | 1000 Hz | 94.50 | 0.00 | | 78.20 | 8.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.91 |
| | 2000 Hz | 88.00 | 0.00 | | 78.20 | 22.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.35 |
| | 4000 Hz | 85.30 | 0.00 | | 78.20 | 75.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.02 |
| | 8000 Hz | 79.90 | 0.00 | | 78.20 | 267.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -263.23 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.04 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.25 |
| | 125 Hz | 110.80 | 0.00 | | 79.04 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.72 |
| | 250 Hz | 105.10 | 0.00 | | 79.04 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.43 |
| | 500 Hz | 102.60 | 0.00 | | 79.04 | 4.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.69 |
| | 1000 Hz | 99.60 | 0.00 | | 79.04 | 9.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.33 |
| | 2000 Hz | 93.10 | 0.00 | | 79.04 | 24.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.33 |
| | 4000 Hz | 80.70 | 0.00 | | 79.04 | 82.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.06 |
| | 8000 Hz | 77.00 | 0.00 | | 79.04 | 295.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -294.07 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.85 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.41 |
| | 125 Hz | 110.80 | 0.00 | | 79.85 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.81 |
| | 250 Hz | 105.10 | 0.00 | | 79.85 | 2.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.36 |
| | 500 Hz | 102.60 | 0.00 | | 79.85 | 5.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.40 |
| | 1000 Hz | 99.60 | 0.00 | | 79.85 | 10.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.61 |
| | 2000 Hz | 93.10 | 0.00 | | 79.85 | 26.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.54 |
| | 4000 Hz | 80.70 | 0.00 | | 79.85 | 90.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.99 |
| | 8000 Hz | 77.00 | 0.00 | | 79.85 | 323.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -323.83 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.59 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.64 |
| | 125 Hz | 110.80 | 0.00 | | 80.59 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.97 |
| | 250 Hz | 105.10 | 0.00 | | 80.59 | 3.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.36 |
| | 500 Hz | 102.60 | 0.00 | | 80.59 | 5.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.19 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.60 | 0.00 | | 80.59 | 11.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.97 |
| | 2000 Hz | 93.10 | 0.00 | | 80.59 | 29.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.66 |
| | 4000 Hz | 80.70 | 0.00 | | 80.59 | 98.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -95.79 |
| | 8000 Hz | 77.00 | 0.00 | | 80.59 | 352.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -353.34 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 76.59 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.58 |
| | 125 Hz | 104.80 | 0.00 | | 76.59 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.43 |
| | 250 Hz | 99.40 | 0.00 | | 76.59 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.83 |
| | 500 Hz | 95.00 | 0.00 | | 76.59 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.74 |
| | 1000 Hz | 93.20 | 0.00 | | 76.59 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.65 |
| | 2000 Hz | 89.10 | 0.00 | | 76.59 | 18.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.88 |
| | 4000 Hz | 83.90 | 0.00 | | 76.59 | 62.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.06 |
| | 8000 Hz | 82.20 | 0.00 | | 76.59 | 222.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -213.84 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.97 | 0.68 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | 28.75 |
| | 125 Hz | 111.00 | 0.00 | | 85.97 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.73 |
| | 250 Hz | 106.60 | 0.00 | | 85.97 | 5.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.78 |
| | 500 Hz | 103.70 | 0.00 | | 85.97 | 10.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.92 |
| | 1000 Hz | 99.80 | 0.00 | | 85.97 | 20.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.67 |
| | 2000 Hz | 95.60 | 0.00 | | 85.97 | 54.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.54 |
| | 4000 Hz | 86.90 | 0.00 | | 85.97 | 183.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -179.78 |
| | 8000 Hz | 65.40 | 0.00 | | 85.97 | 655.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -672.80 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.15 | 0.62 | -3.00 | 0.00 | 0.00 | 1.92 | 0.00 | 30.61 |
| | 125 Hz | 111.00 | 0.00 | | 85.15 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.75 |
| | 250 Hz | 106.60 | 0.00 | | 85.15 | 5.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.13 |
| | 500 Hz | 103.70 | 0.00 | | 85.15 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.72 |
| | 1000 Hz | 99.80 | 0.00 | | 85.15 | 18.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.00 |
| | 2000 Hz | 95.60 | 0.00 | | 85.15 | 49.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.84 |
| | 4000 Hz | 86.90 | 0.00 | | 85.15 | 167.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -162.39 |
| | 8000 Hz | 65.40 | 0.00 | | 85.15 | 596.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -612.88 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.48 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.31 |
| | 125 Hz | 111.00 | 0.00 | | 83.48 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.79 |
| | 250 Hz | 106.60 | 0.00 | | 83.48 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.73 |
| | 500 Hz | 103.70 | 0.00 | | 83.48 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.10 |
| | 1000 Hz | 99.80 | 0.00 | | 83.48 | 15.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.92 |
| | 2000 Hz | 95.60 | 0.00 | | 83.48 | 40.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.56 |
| | 4000 Hz | 86.90 | 0.00 | | 83.48 | 137.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -131.52 |
| | 8000 Hz | 65.40 | 0.00 | | 83.48 | 491.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -507.07 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.36 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.04 |
| | 125 Hz | 110.20 | 0.00 | | 83.36 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.14 |
| | 250 Hz | 105.30 | 0.00 | | 83.36 | 4.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.62 |
| | 500 Hz | 102.70 | 0.00 | | 83.36 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.35 |
| | 1000 Hz | 99.80 | 0.00 | | 83.36 | 15.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.27 |
| | 2000 Hz | 95.50 | 0.00 | | 83.36 | 40.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.94 |
| | 4000 Hz | 84.90 | 0.00 | | 83.36 | 135.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -131.39 |
| | 8000 Hz | 61.80 | 0.00 | | 83.36 | 484.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -503.39 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 83.44 | 0.51 | -3.00 | 0.00 | 0.00 | 0.41 | 0.00 | 33.54 |
| | 125 Hz | 110.20 | 0.00 | | 83.44 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.04 |
| | 250 Hz | 105.30 | 0.00 | | 83.44 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.49 |
| | 500 Hz | 102.70 | 0.00 | | 83.44 | 8.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.19 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 99.80 | 0.00 | | 83.44 | 15.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.05 |
| | 2000 Hz | 95.50 | 0.00 | | 83.44 | 40.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.41 |
| | 4000 Hz | 84.90 | 0.00 | | 83.44 | 137.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.78 |
| | 8000 Hz | 61.80 | 0.00 | | 83.44 | 489.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -508.14 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.09 | 0.44 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 32.33 |
| | 125 Hz | 111.00 | 0.00 | | 82.09 | 1.47 | -3.00 | 0.00 | 0.00 | 1.57 | 0.00 | | 28.86 |
| | 250 Hz | 106.60 | 0.00 | | 82.09 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.77 |
| | 500 Hz | 103.70 | 0.00 | | 82.09 | 6.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.70 |
| | 1000 Hz | 99.80 | 0.00 | | 82.09 | 13.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.60 |
| | 2000 Hz | 95.60 | 0.00 | | 82.09 | 34.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.14 |
| | 4000 Hz | 86.90 | 0.00 | | 82.09 | 117.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.70 |
| | 8000 Hz | 65.40 | 0.00 | | 82.09 | 419.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -432.82 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.20 | 0.44 | -3.00 | 0.00 | 0.00 | 3.46 | 0.00 | | 32.20 |
| | 125 Hz | 111.00 | 0.00 | | 82.20 | 1.49 | -3.00 | 0.00 | 0.00 | 1.61 | 0.00 | | 28.70 |
| | 250 Hz | 106.60 | 0.00 | | 82.20 | 3.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.61 |
| | 500 Hz | 103.70 | 0.00 | | 82.20 | 7.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.49 |
| | 1000 Hz | 99.80 | 0.00 | | 82.20 | 13.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.31 |
| | 2000 Hz | 95.60 | 0.00 | | 82.20 | 35.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.71 |
| | 4000 Hz | 86.90 | 0.00 | | 82.20 | 119.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -111.37 |
| | 8000 Hz | 65.40 | 0.00 | | 82.20 | 424.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -438.46 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 78.21 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 125 Hz | 104.80 | 0.00 | | 78.21 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.65 |
| | 250 Hz | 101.20 | 0.00 | | 78.21 | 2.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.60 |
| | 500 Hz | 96.80 | 0.00 | | 78.21 | 4.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.17 |
| | 1000 Hz | 92.70 | 0.00 | | 78.21 | 8.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.10 |
| | 2000 Hz | 90.50 | 0.00 | | 78.21 | 22.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.88 |
| | 4000 Hz | 84.90 | 0.00 | | 78.21 | 75.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.48 |
| | 8000 Hz | 70.70 | 0.00 | | 78.21 | 268.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -272.63 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.98 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.74 |
| | 125 Hz | 106.90 | 0.00 | | 82.98 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.29 |
| | 250 Hz | 104.10 | 0.00 | | 82.98 | 4.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.98 |
| | 500 Hz | 100.40 | 0.00 | | 82.98 | 7.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.76 |
| | 1000 Hz | 96.10 | 0.00 | | 82.98 | 14.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.59 |
| | 2000 Hz | 90.70 | 0.00 | | 82.98 | 38.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.67 |
| | 4000 Hz | 83.90 | 0.00 | | 82.98 | 130.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.25 |
| | 8000 Hz | 75.80 | 0.00 | | 82.98 | 464.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -468.47 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 82.25 | 0.44 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 27.84 |
| | 125 Hz | 108.80 | 0.00 | | 82.25 | 1.50 | -3.00 | 0.00 | 0.00 | 2.21 | 0.00 | | 25.84 |
| | 250 Hz | 106.10 | 0.00 | | 82.25 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.04 |
| | 500 Hz | 102.40 | 0.00 | | 82.25 | 7.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.11 |
| | 1000 Hz | 98.10 | 0.00 | | 82.25 | 13.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.49 |
| | 2000 Hz | 92.80 | 0.00 | | 82.25 | 35.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.76 |
| | 4000 Hz | 85.90 | 0.00 | | 82.25 | 119.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.08 |
| | 8000 Hz | 77.90 | 0.00 | | 82.25 | 427.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -428.38 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 81.22 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.58 |
| | 125 Hz | 106.90 | 0.00 | | 81.22 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.34 |
| | 250 Hz | 104.10 | 0.00 | | 81.22 | 3.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.49 |
| | 500 Hz | 100.40 | 0.00 | | 81.22 | 6.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.92 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 96.10 | 0.00 | | 81.22 | 11.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.01 |
| | 2000 Hz | 90.70 | 0.00 | | 81.22 | 31.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.89 |
| | 4000 Hz | 83.90 | 0.00 | | 81.22 | 106.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.68 |
| | 8000 Hz | 75.80 | 0.00 | | 81.22 | 379.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -381.75 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.67 | 0.21 | -3.00 | 0.00 | 0.00 | 1.51 | 0.00 | | 36.81 |
| | 125 Hz | 108.80 | 0.00 | | 75.67 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.42 |
| | 250 Hz | 106.10 | 0.00 | | 75.67 | 1.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.64 |
| | 500 Hz | 102.40 | 0.00 | | 75.67 | 3.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.42 |
| | 1000 Hz | 98.10 | 0.00 | | 75.67 | 6.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.16 |
| | 2000 Hz | 92.80 | 0.00 | | 75.67 | 16.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.57 |
| | 4000 Hz | 85.90 | 0.00 | | 75.67 | 56.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.92 |
| | 8000 Hz | 77.90 | 0.00 | | 75.67 | 200.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -195.03 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.21 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.71 |
| | 125 Hz | 110.70 | 0.00 | | 74.21 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.89 |
| | 250 Hz | 108.00 | 0.00 | | 74.21 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.28 |
| | 500 Hz | 104.50 | 0.00 | | 74.21 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.50 |
| | 1000 Hz | 100.10 | 0.00 | | 74.21 | 5.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.59 |
| | 2000 Hz | 94.80 | 0.00 | | 74.21 | 13.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.60 |
| | 4000 Hz | 87.90 | 0.00 | | 74.21 | 47.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.76 |
| | 8000 Hz | 79.90 | 0.00 | | 74.21 | 169.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -160.54 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.16 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.01 |
| | 125 Hz | 110.90 | 0.00 | | 71.16 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.32 |
| | 250 Hz | 108.10 | 0.00 | | 71.16 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.87 |
| | 500 Hz | 104.40 | 0.00 | | 71.16 | 1.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.27 |
| | 1000 Hz | 100.10 | 0.00 | | 71.16 | 3.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.21 |
| | 2000 Hz | 94.80 | 0.00 | | 71.16 | 9.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.78 |
| | 4000 Hz | 88.00 | 0.00 | | 71.16 | 33.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.57 |
| | 8000 Hz | 80.00 | 0.00 | | 71.16 | 119.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -107.31 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.47 | 0.16 | -3.00 | 0.00 | 0.00 | 0.96 | 0.00 | | 41.52 |
| | 125 Hz | 110.70 | 0.00 | | 73.47 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.69 |
| | 250 Hz | 108.00 | 0.00 | | 73.47 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.15 |
| | 500 Hz | 104.50 | 0.00 | | 73.47 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.47 |
| | 1000 Hz | 100.10 | 0.00 | | 73.47 | 4.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 2000 Hz | 94.80 | 0.00 | | 73.47 | 12.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.50 |
| | 4000 Hz | 87.90 | 0.00 | | 73.47 | 43.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.10 |
| | 8000 Hz | 79.90 | 0.00 | | 73.47 | 155.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -145.84 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 67.02 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.20 |
| | 125 Hz | 110.90 | 0.00 | | 67.02 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.62 |
| | 250 Hz | 108.10 | 0.00 | | 67.02 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.42 |
| | 500 Hz | 104.40 | 0.00 | | 67.02 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.16 |
| | 1000 Hz | 100.10 | 0.00 | | 67.02 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.76 |
| | 2000 Hz | 94.80 | 0.00 | | 67.02 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.66 |
| | 4000 Hz | 88.00 | 0.00 | | 67.02 | 20.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.24 |
| | 8000 Hz | 80.00 | 0.00 | | 67.02 | 73.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.00 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 67.48 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.54 |
| | 125 Hz | 110.70 | 0.00 | | 67.48 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.95 |
| | 250 Hz | 108.00 | 0.00 | | 67.48 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.83 |
| | 500 Hz | 104.50 | 0.00 | | 67.48 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.74 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|-------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 100.10 | 0.00 | | 67.48 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.19 |
| | 2000 Hz | 94.80 | 0.00 | | 67.48 | 6.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.88 |
| | 4000 Hz | 87.90 | 0.00 | | 67.48 | 21.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 |
| | 8000 Hz | 79.90 | 0.00 | | 67.48 | 77.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -62.49 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt017 | IP O | 378980.79 | 5775850.14 | 68.804 | 45.30 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 84.14 | 8.74 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 75.48 | 3.22 | 4.67 | 0.00 | 0.00 | 0.00 | 0.00 | 14.63 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 74.41 | 2.85 | 4.34 | 0.00 | 0.00 | 0.44 | 0.00 | 15.98 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 81.30 | 6.30 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | -88.37 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 83.54 | 0.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 18.37 |
| | 125 Hz | 102.50 | 0.00 | | 83.54 | 1.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.45 |
| | 250 Hz | 99.20 | 0.00 | | 83.54 | 4.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 9.47 |
| | 500 Hz | 96.00 | 0.00 | | 83.54 | 8.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 2.52 |
| | 1000 Hz | 92.30 | 0.00 | | 83.54 | 15.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -8.51 |
| | 2000 Hz | 89.10 | 0.00 | | 83.54 | 40.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -37.16 |
| | 4000 Hz | 85.30 | 0.00 | | 83.54 | 138.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -138.88 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 83.28 | 0.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 21.65 |
| | 125 Hz | 105.50 | 0.00 | | 83.28 | 1.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 18.76 |
| | 250 Hz | 102.20 | 0.00 | | 83.28 | 4.29 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.86 |
| | 500 Hz | 99.00 | 0.00 | | 83.28 | 7.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 6.02 |
| | 1000 Hz | 95.30 | 0.00 | | 83.28 | 15.04 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -4.79 |
| | 2000 Hz | 92.10 | 0.00 | | 83.28 | 39.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -32.69 |
| | 4000 Hz | 88.30 | 0.00 | | 83.28 | 134.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -131.51 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.51 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 33.97 |
| | 63 Hz | 116.40 | 0.00 | | 84.51 | 0.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.54 |
| | 125 Hz | 110.70 | 0.00 | | 84.51 | 1.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.47 |
| | 250 Hz | 104.40 | 0.00 | | 84.51 | 4.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.18 |
| | 500 Hz | 101.20 | 0.00 | | 84.51 | 9.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.79 |
| | 1000 Hz | 99.40 | 0.00 | | 84.51 | 17.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -4.21 |
| | 2000 Hz | 93.80 | 0.00 | | 84.51 | 45.78 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -38.26 |
| | 4000 Hz | 86.70 | 0.00 | | 84.51 | 155.25 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -154.83 |
| | 8000 Hz | 78.40 | 0.00 | | 84.51 | 553.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -561.62 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 78.87 | 0.08 | -3.00 | 0.00 | 0.00 | 2.45 | 0.00 | 42.00 |
| | 63 Hz | 116.40 | 0.00 | | 78.87 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.23 |
| | 125 Hz | 110.70 | 0.00 | | 78.87 | 1.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.81 |
| | 250 Hz | 104.40 | 0.00 | | 78.87 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.95 |
| | 500 Hz | 101.20 | 0.00 | | 78.87 | 4.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.56 |
| | 1000 Hz | 99.40 | 0.00 | | 78.87 | 9.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.48 |
| | 2000 Hz | 93.80 | 0.00 | | 78.87 | 23.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.98 |
| | 4000 Hz | 86.70 | 0.00 | | 78.87 | 81.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -70.27 |
| | 8000 Hz | 78.40 | 0.00 | | 78.87 | 289.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -286.71 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.32 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.17 |
| | 63 Hz | 116.40 | 0.00 | | 83.32 | 0.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.80 |
| | 125 Hz | 110.70 | 0.00 | | 83.32 | 1.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.91 |
| | 250 Hz | 104.40 | 0.00 | | 83.32 | 4.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.00 |
| | 500 Hz | 101.20 | 0.00 | | 83.32 | 7.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 8.14 |
| | 1000 Hz | 99.40 | 0.00 | | 83.32 | 15.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -0.81 |
| | 2000 Hz | 93.80 | 0.00 | | 83.32 | 39.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -31.23 |
| | 4000 Hz | 86.70 | 0.00 | | 83.32 | 135.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -133.82 |
| | 8000 Hz | 78.40 | 0.00 | | 83.32 | 483.01 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -489.70 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.92 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.57 |
| | 63 Hz | 116.40 | 0.00 | | 83.92 | 0.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.18 |
| | 125 Hz | 110.70 | 0.00 | | 83.92 | 1.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.20 |
| | 250 Hz | 104.40 | 0.00 | | 83.92 | 4.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.10 |
| | 500 Hz | 101.20 | 0.00 | | 83.92 | 8.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.99 |
| | 1000 Hz | 99.40 | 0.00 | | 83.92 | 16.18 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.47 |
| | 2000 Hz | 93.80 | 0.00 | | 83.92 | 42.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -34.64 |
| | 4000 Hz | 86.70 | 0.00 | | 83.92 | 144.99 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -143.97 |
| | 8000 Hz | 78.40 | 0.00 | | 83.92 | 517.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -524.41 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.14 | 0.12 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | 36.39 |
| | 63 Hz | 116.40 | 0.00 | | 82.14 | 0.44 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | | 32.08 |
| | 125 Hz | 110.70 | 0.00 | | 82.14 | 1.48 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | | 25.37 |
| | 250 Hz | 104.40 | 0.00 | | 82.14 | 3.76 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | | 16.86 |
| | 500 Hz | 101.20 | 0.00 | | 82.14 | 6.95 | -3.00 | 0.00 | 0.00 | 4.49 | 0.00 | | 10.61 |
| | 1000 Hz | 99.40 | 0.00 | | 82.14 | 13.19 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 2.87 |
| | 2000 Hz | 93.80 | 0.00 | | 82.14 | 34.86 | -3.00 | 0.00 | 0.00 | 3.53 | 0.00 | | -23.73 |
| | 4000 Hz | 86.70 | 0.00 | | 82.14 | 118.21 | -3.00 | 0.00 | 0.00 | 1.80 | 0.00 | | -112.45 |
| | 8000 Hz | 78.40 | 0.00 | | 82.14 | 421.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -422.36 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.72 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.55 |
| | 63 Hz | 116.40 | 0.00 | | 82.72 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.21 |
| | 125 Hz | 110.70 | 0.00 | | 82.72 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.39 |
| | 250 Hz | 104.40 | 0.00 | | 82.72 | 4.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.65 |
| | 500 Hz | 101.20 | 0.00 | | 82.72 | 7.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.04 |
| | 1000 Hz | 99.40 | 0.00 | | 82.72 | 14.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.57 |
| | 2000 Hz | 93.80 | 0.00 | | 82.72 | 37.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.20 |
| | 4000 Hz | 86.70 | 0.00 | | 82.72 | 126.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.45 |
| | 8000 Hz | 78.40 | 0.00 | | 82.72 | 450.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -452.22 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.00 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.49 |
| | 63 Hz | 116.40 | 0.00 | | 84.00 | 0.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.09 |
| | 125 Hz | 110.70 | 0.00 | | 84.00 | 1.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.09 |
| | 250 Hz | 104.40 | 0.00 | | 84.00 | 4.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.97 |
| | 500 Hz | 101.20 | 0.00 | | 84.00 | 8.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.82 |
| | 1000 Hz | 99.40 | 0.00 | | 84.00 | 16.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.71 |
| | 2000 Hz | 93.80 | 0.00 | | 84.00 | 43.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -35.14 |
| | 4000 Hz | 86.70 | 0.00 | | 84.00 | 146.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -145.47 |
| | 8000 Hz | 78.40 | 0.00 | | 84.00 | 522.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -529.53 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.88 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.61 |
| | 63 Hz | 116.40 | 0.00 | | 83.88 | 0.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.22 |
| | 125 Hz | 110.70 | 0.00 | | 83.88 | 1.81 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.24 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 83.88 | 4.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.16 |
| | 500 Hz | 101.20 | 0.00 | | 83.88 | 8.49 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.06 |
| | 1000 Hz | 99.40 | 0.00 | | 83.88 | 16.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.36 |
| | 2000 Hz | 93.80 | 0.00 | | 83.88 | 42.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -34.42 |
| | 4000 Hz | 86.70 | 0.00 | | 83.88 | 144.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -143.31 |
| | 8000 Hz | 78.40 | 0.00 | | 83.88 | 514.88 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -522.12 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 83.10 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.10 |
| | 63 Hz | 113.10 | 0.00 | | 83.10 | 0.49 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.73 |
| | 125 Hz | 107.40 | 0.00 | | 83.10 | 1.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 20.87 |
| | 250 Hz | 101.10 | 0.00 | | 83.10 | 4.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.02 |
| | 500 Hz | 97.90 | 0.00 | | 83.10 | 7.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.26 |
| | 1000 Hz | 96.10 | 0.00 | | 83.10 | 14.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -3.51 |
| | 2000 Hz | 90.50 | 0.00 | | 83.10 | 38.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -33.32 |
| | 4000 Hz | 83.40 | 0.00 | | 83.10 | 132.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -133.55 |
| | 8000 Hz | 75.10 | 0.00 | | 83.10 | 471.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -480.82 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.17 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.31 |
| | 63 Hz | 116.40 | 0.00 | | 84.17 | 0.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 29.90 |
| | 125 Hz | 110.70 | 0.00 | | 84.17 | 1.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.88 |
| | 250 Hz | 104.40 | 0.00 | | 84.17 | 4.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.70 |
| | 500 Hz | 101.20 | 0.00 | | 84.17 | 8.78 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.47 |
| | 1000 Hz | 99.40 | 0.00 | | 84.17 | 16.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -3.21 |
| | 2000 Hz | 93.80 | 0.00 | | 84.17 | 44.04 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -36.18 |
| | 4000 Hz | 86.70 | 0.00 | | 84.17 | 149.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -148.58 |
| | 8000 Hz | 78.40 | 0.00 | | 84.17 | 532.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -540.17 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.81 | 0.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.66 |
| | 63 Hz | 116.40 | 0.00 | | 84.81 | 0.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 29.22 |
| | 125 Hz | 110.70 | 0.00 | | 84.81 | 2.02 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.10 |
| | 250 Hz | 104.40 | 0.00 | | 84.81 | 5.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.70 |
| | 500 Hz | 101.20 | 0.00 | | 84.81 | 9.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.17 |
| | 1000 Hz | 99.40 | 0.00 | | 84.81 | 17.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -5.11 |
| | 2000 Hz | 93.80 | 0.00 | | 84.81 | 47.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -40.17 |
| | 4000 Hz | 86.70 | 0.00 | | 84.81 | 160.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -160.58 |
| | 8000 Hz | 78.40 | 0.00 | | 84.81 | 573.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -581.34 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 85.99 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.02 |
| | 125 Hz | 104.80 | 0.00 | | 85.99 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.50 |
| | 250 Hz | 101.50 | 0.00 | | 85.99 | 5.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.64 |
| | 500 Hz | 97.10 | 0.00 | | 85.99 | 10.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.27 |
| | 1000 Hz | 91.00 | 0.00 | | 85.99 | 20.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.55 |
| | 2000 Hz | 86.30 | 0.00 | | 85.99 | 54.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.01 |
| | 4000 Hz | 80.30 | 0.00 | | 85.99 | 184.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -186.90 |
| | 8000 Hz | 74.00 | 0.00 | | 85.99 | 656.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -665.99 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.52 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.28 |
| | 63 Hz | 113.00 | 0.00 | | 86.52 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.75 |
| | 125 Hz | 108.60 | 0.00 | | 86.52 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.62 |
| | 250 Hz | 105.70 | 0.00 | | 86.52 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.94 |
| | 500 Hz | 101.70 | 0.00 | | 86.52 | 11.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.66 |
| | 1000 Hz | 95.50 | 0.00 | | 86.52 | 21.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.87 |
| | 2000 Hz | 89.70 | 0.00 | | 86.52 | 57.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.56 |
| | 4000 Hz | 82.20 | 0.00 | | 86.52 | 195.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.12 |
| | 8000 Hz | 74.00 | 0.00 | | 86.52 | 698.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -707.86 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.74 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.06 |
| | 63 Hz | 113.00 | 0.00 | | 86.74 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.51 |
| | 125 Hz | 108.60 | 0.00 | | 86.74 | 2.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.34 |
| | 250 Hz | 105.70 | 0.00 | | 86.74 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.56 |
| | 500 Hz | 101.70 | 0.00 | | 86.74 | 11.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.15 |
| | 1000 Hz | 95.50 | 0.00 | | 86.74 | 22.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.65 |
| | 2000 Hz | 89.70 | 0.00 | | 86.74 | 59.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.26 |
| | 4000 Hz | 82.20 | 0.00 | | 86.74 | 200.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.35 |
| | 8000 Hz | 74.00 | 0.00 | | 86.74 | 716.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -725.96 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 83.45 | 0.13 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | | 31.02 |
| | 63 Hz | 111.30 | 0.00 | | 83.45 | 0.51 | -3.00 | 0.00 | 0.00 | 1.04 | 0.00 | | 29.30 |
| | 125 Hz | 107.40 | 0.00 | | 83.45 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.23 |
| | 250 Hz | 102.80 | 0.00 | | 83.45 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.98 |
| | 500 Hz | 99.70 | 0.00 | | 83.45 | 8.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.17 |
| | 1000 Hz | 96.60 | 0.00 | | 83.45 | 15.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.82 |
| | 2000 Hz | 91.70 | 0.00 | | 83.45 | 40.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.26 |
| | 4000 Hz | 85.00 | 0.00 | | 83.45 | 137.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.84 |
| | 8000 Hz | 87.30 | 0.00 | | 83.45 | 490.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -483.18 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.27 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.93 |
| | 125 Hz | 108.60 | 0.00 | | 86.27 | 2.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.95 |
| | 250 Hz | 103.40 | 0.00 | | 86.27 | 6.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.08 |
| | 500 Hz | 99.10 | 0.00 | | 86.27 | 11.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.66 |
| | 1000 Hz | 98.00 | 0.00 | | 86.27 | 21.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.48 |
| | 2000 Hz | 89.80 | 0.00 | | 86.27 | 56.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.51 |
| | 4000 Hz | 85.30 | 0.00 | | 86.27 | 190.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -188.02 |
| | 8000 Hz | 80.10 | 0.00 | | 86.27 | 677.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -681.03 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.12 | 0.18 | -3.00 | 0.00 | 0.00 | 3.94 | 0.00 | | 31.36 |
| | 63 Hz | 112.30 | 0.00 | | 86.12 | 0.69 | -3.00 | 0.00 | 0.00 | 2.90 | 0.00 | | 25.59 |
| | 125 Hz | 108.10 | 0.00 | | 86.12 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.64 |
| | 250 Hz | 103.50 | 0.00 | | 86.12 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.44 |
| | 500 Hz | 100.70 | 0.00 | | 86.12 | 10.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.60 |
| | 1000 Hz | 98.30 | 0.00 | | 86.12 | 20.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.66 |
| | 2000 Hz | 93.80 | 0.00 | | 86.12 | 55.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.40 |
| | 4000 Hz | 86.20 | 0.00 | | 86.12 | 186.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -183.73 |
| | 8000 Hz | 78.20 | 0.00 | | 86.12 | 666.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -671.20 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 85.53 | 0.17 | -3.00 | 0.00 | 0.00 | 2.29 | 0.00 | | 31.60 |
| | 63 Hz | 111.70 | 0.00 | | 85.53 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.52 |
| | 125 Hz | 106.40 | 0.00 | | 85.53 | 2.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.67 |
| | 250 Hz | 102.10 | 0.00 | | 85.53 | 5.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.00 |
| | 500 Hz | 99.10 | 0.00 | | 85.53 | 10.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.29 |
| | 1000 Hz | 96.90 | 0.00 | | 85.53 | 19.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.13 |
| | 2000 Hz | 90.50 | 0.00 | | 85.53 | 51.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.56 |
| | 4000 Hz | 81.00 | 0.00 | | 85.53 | 174.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -176.25 |
| | 8000 Hz | 76.50 | 0.00 | | 85.53 | 623.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -629.17 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.11 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.18 |
| | 63 Hz | 110.40 | 0.00 | | 87.11 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.51 |
| | 125 Hz | 107.20 | 0.00 | | 87.11 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.46 |
| | 250 Hz | 101.70 | 0.00 | | 87.11 | 6.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.92 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 98.20 | 0.00 | | 87.11 | 12.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.76 |
| | 1000 Hz | 95.60 | 0.00 | | 87.11 | 23.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.90 |
| | 2000 Hz | 93.70 | 0.00 | | 87.11 | 61.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.20 |
| | 4000 Hz | 90.70 | 0.00 | | 87.11 | 209.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.95 |
| | 8000 Hz | 79.50 | 0.00 | | 87.11 | 747.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -751.97 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.77 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.85 |
| | 63 Hz | 111.60 | 0.00 | | 85.77 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.16 |
| | 125 Hz | 108.60 | 0.00 | | 85.77 | 2.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.58 |
| | 250 Hz | 106.50 | 0.00 | | 85.77 | 5.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.01 |
| | 500 Hz | 102.90 | 0.00 | | 85.77 | 10.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.57 |
| | 1000 Hz | 99.60 | 0.00 | | 85.77 | 20.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.20 |
| | 2000 Hz | 95.90 | 0.00 | | 85.77 | 52.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.81 |
| | 4000 Hz | 90.10 | 0.00 | | 85.77 | 179.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -172.19 |
| | 8000 Hz | 76.30 | 0.00 | | 85.77 | 640.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -646.75 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.97 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.65 |
| | 63 Hz | 111.60 | 0.00 | | 85.97 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.95 |
| | 125 Hz | 108.60 | 0.00 | | 85.97 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.33 |
| | 250 Hz | 106.50 | 0.00 | | 85.97 | 5.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.69 |
| | 500 Hz | 102.90 | 0.00 | | 85.97 | 10.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.13 |
| | 1000 Hz | 99.60 | 0.00 | | 85.97 | 20.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.86 |
| | 2000 Hz | 95.90 | 0.00 | | 85.97 | 54.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.22 |
| | 4000 Hz | 90.10 | 0.00 | | 85.97 | 183.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -176.52 |
| | 8000 Hz | 76.30 | 0.00 | | 85.97 | 655.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -661.68 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.59 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.05 |
| | 63 Hz | 111.60 | 0.00 | | 84.59 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.43 |
| | 125 Hz | 108.60 | 0.00 | | 84.59 | 1.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.04 |
| | 250 Hz | 106.50 | 0.00 | | 84.59 | 4.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.92 |
| | 500 Hz | 102.90 | 0.00 | | 84.59 | 9.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.09 |
| | 1000 Hz | 99.60 | 0.00 | | 84.59 | 17.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.51 |
| | 2000 Hz | 95.90 | 0.00 | | 84.59 | 46.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.92 |
| | 4000 Hz | 90.10 | 0.00 | | 84.59 | 156.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -148.25 |
| | 8000 Hz | 76.30 | 0.00 | | 84.59 | 559.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -564.38 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.48 | 0.15 | -3.00 | 0.00 | 0.00 | 3.71 | 0.00 | | 28.46 |
| | 63 Hz | 111.60 | 0.00 | | 84.48 | 0.57 | -3.00 | 0.00 | 0.00 | 2.30 | 0.00 | | 27.24 |
| | 125 Hz | 108.60 | 0.00 | | 84.48 | 1.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.17 |
| | 250 Hz | 106.50 | 0.00 | | 84.48 | 4.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.09 |
| | 500 Hz | 102.90 | 0.00 | | 84.48 | 9.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.31 |
| | 1000 Hz | 99.60 | 0.00 | | 84.48 | 17.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.84 |
| | 2000 Hz | 95.90 | 0.00 | | 84.48 | 45.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.24 |
| | 4000 Hz | 90.10 | 0.00 | | 84.48 | 154.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -146.20 |
| | 8000 Hz | 76.30 | 0.00 | | 84.48 | 552.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -557.36 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.86 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.78 |
| | 63 Hz | 111.60 | 0.00 | | 84.86 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.14 |
| | 125 Hz | 108.60 | 0.00 | | 84.86 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.72 |
| | 250 Hz | 106.50 | 0.00 | | 84.86 | 5.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.50 |
| | 500 Hz | 102.90 | 0.00 | | 84.86 | 9.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.54 |
| | 1000 Hz | 99.60 | 0.00 | | 84.86 | 18.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.29 |
| | 2000 Hz | 95.90 | 0.00 | | 84.86 | 47.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.61 |
| | 4000 Hz | 90.10 | 0.00 | | 84.86 | 161.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -153.37 |
| | 8000 Hz | 76.30 | 0.00 | | 84.86 | 576.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -581.97 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.37 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.30 |
| | 63 Hz | 111.60 | 0.00 | | 83.37 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.72 |
| | 125 Hz | 108.60 | 0.00 | | 83.37 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.52 |
| | 250 Hz | 106.50 | 0.00 | | 83.37 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.79 |
| | 500 Hz | 102.90 | 0.00 | | 83.37 | 8.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.52 |
| | 1000 Hz | 99.60 | 0.00 | | 83.37 | 15.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.03 |
| | 2000 Hz | 95.90 | 0.00 | | 83.37 | 40.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.63 |
| | 4000 Hz | 90.10 | 0.00 | | 83.37 | 136.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.47 |
| | 8000 Hz | 76.30 | 0.00 | | 83.37 | 485.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -489.84 |
| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.43 | 0.13 | -3.00 | 0.00 | 0.00 | 3.25 | 0.00 | | 29.99 |
| | 63 Hz | 111.60 | 0.00 | | 83.43 | 0.51 | -3.00 | 0.00 | 0.00 | 0.88 | 0.00 | | 29.79 |
| | 125 Hz | 108.60 | 0.00 | | 83.43 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.45 |
| | 250 Hz | 106.50 | 0.00 | | 83.43 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.71 |
| | 500 Hz | 102.90 | 0.00 | | 83.43 | 8.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.41 |
| | 1000 Hz | 99.60 | 0.00 | | 83.43 | 15.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.88 |
| | 2000 Hz | 95.90 | 0.00 | | 83.43 | 40.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.94 |
| | 4000 Hz | 90.10 | 0.00 | | 83.43 | 137.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.39 |
| | 8000 Hz | 76.30 | 0.00 | | 83.43 | 488.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -492.98 |
| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.08 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.58 |
| | 63 Hz | 111.60 | 0.00 | | 84.08 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.97 |
| | 125 Hz | 108.60 | 0.00 | | 84.08 | 1.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.67 |
| | 250 Hz | 106.50 | 0.00 | | 84.08 | 4.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.72 |
| | 500 Hz | 102.90 | 0.00 | | 84.08 | 8.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.13 |
| | 1000 Hz | 99.60 | 0.00 | | 84.08 | 16.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.03 |
| | 2000 Hz | 95.90 | 0.00 | | 84.08 | 43.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.75 |
| | 4000 Hz | 90.10 | 0.00 | | 84.08 | 147.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.73 |
| | 8000 Hz | 76.30 | 0.00 | | 84.08 | 526.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -531.76 |
| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 86.85 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.70 |
| | 125 Hz | 5.20 | 0.00 | | 86.85 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.19 |
| | 250 Hz | 1.90 | 0.00 | | 86.85 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.41 |
| | 500 Hz | -1.30 | 0.00 | | 86.85 | 11.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.09 |
| | 1000 Hz | -5.00 | 0.00 | | 86.85 | 22.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -111.52 |
| | 2000 Hz | -8.20 | 0.00 | | 86.85 | 59.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.95 |
| | 4000 Hz | -12.00 | 0.00 | | 86.85 | 203.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -299.01 |
| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 77.07 | 0.24 | -3.00 | 0.00 | 0.00 | 0.91 | 0.00 | | 32.97 |
| | 125 Hz | 106.50 | 0.00 | | 77.07 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.60 |
| | 250 Hz | 103.20 | 0.00 | | 77.07 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.03 |
| | 500 Hz | 100.00 | 0.00 | | 77.07 | 3.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.05 |
| | 1000 Hz | 96.30 | 0.00 | | 77.07 | 7.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.87 |
| | 2000 Hz | 93.10 | 0.00 | | 77.07 | 19.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.42 |
| | 4000 Hz | 89.30 | 0.00 | | 77.07 | 65.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.72 |
| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.83 | 0.13 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | | 30.16 |
| | 63 Hz | 110.90 | 0.00 | | 82.83 | 0.48 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | | 25.99 |
| | 125 Hz | 108.00 | 0.00 | | 82.83 | 1.60 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 22.13 |
| | 250 Hz | 103.80 | 0.00 | | 82.83 | 4.07 | -3.00 | 0.00 | 0.00 | 4.08 | 0.00 | | 15.82 |
| | 500 Hz | 101.90 | 0.00 | | 82.83 | 7.52 | -3.00 | 0.00 | 0.00 | 3.27 | 0.00 | | 11.28 |
| | 1000 Hz | 98.90 | 0.00 | | 82.83 | 14.28 | -3.00 | 0.00 | 0.00 | 0.96 | 0.00 | | 3.84 |
| | 2000 Hz | 94.60 | 0.00 | | 82.83 | 37.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.95 |

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| enveco GmbH | | |
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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 4000 Hz | 88.20 | 0.00 | | 82.83 | 127.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -119.55 |
| | 8000 Hz | 78.80 | 0.00 | | 82.83 | 456.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -457.29 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.17 | 0.12 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 30.77 |
| | 63 Hz | 110.90 | 0.00 | | 82.17 | 0.44 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | 26.57 |
| | 125 Hz | 108.00 | 0.00 | | 82.17 | 1.49 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | 22.66 |
| | 250 Hz | 103.80 | 0.00 | | 82.17 | 3.77 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 16.27 |
| | 500 Hz | 101.90 | 0.00 | | 82.17 | 6.97 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | 11.35 |
| | 1000 Hz | 98.90 | 0.00 | | 82.17 | 13.23 | -3.00 | 0.00 | 0.00 | 4.02 | 0.00 | 2.49 |
| | 2000 Hz | 94.60 | 0.00 | | 82.17 | 34.95 | -3.00 | 0.00 | 0.00 | 3.11 | 0.00 | -22.63 |
| | 4000 Hz | 88.20 | 0.00 | | 82.17 | 118.53 | -3.00 | 0.00 | 0.00 | 0.39 | 0.00 | -109.89 |
| | 8000 Hz | 78.80 | 0.00 | | 82.17 | 422.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -423.12 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.73 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 30.18 |
| | 63 Hz | 110.90 | 0.00 | | 82.73 | 0.47 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 25.93 |
| | 125 Hz | 108.00 | 0.00 | | 82.73 | 1.59 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 21.92 |
| | 250 Hz | 103.80 | 0.00 | | 82.73 | 4.03 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 15.29 |
| | 500 Hz | 101.90 | 0.00 | | 82.73 | 7.44 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | 10.01 |
| | 1000 Hz | 98.90 | 0.00 | | 82.73 | 14.12 | -3.00 | 0.00 | 0.00 | 4.67 | 0.00 | 0.38 |
| | 2000 Hz | 94.60 | 0.00 | | 82.73 | 37.31 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | -27.00 |
| | 4000 Hz | 88.20 | 0.00 | | 82.73 | 126.53 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | -122.40 |
| | 8000 Hz | 78.80 | 0.00 | | 82.73 | 451.30 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | -456.08 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.52 | 0.11 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | 31.49 |
| | 63 Hz | 110.90 | 0.00 | | 81.52 | 0.41 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | 27.38 |
| | 125 Hz | 108.00 | 0.00 | | 81.52 | 1.38 | -3.00 | 0.00 | 0.00 | 4.40 | 0.00 | 23.70 |
| | 250 Hz | 103.80 | 0.00 | | 81.52 | 3.50 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | 17.78 |
| | 500 Hz | 101.90 | 0.00 | | 81.52 | 6.48 | -3.00 | 0.00 | 0.00 | 3.03 | 0.00 | 13.87 |
| | 1000 Hz | 98.90 | 0.00 | | 81.52 | 12.29 | -3.00 | 0.00 | 0.00 | 0.09 | 0.00 | 7.99 |
| | 2000 Hz | 94.60 | 0.00 | | 81.52 | 32.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.39 |
| | 4000 Hz | 88.20 | 0.00 | | 81.52 | 110.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.43 |
| | 8000 Hz | 78.80 | 0.00 | | 81.52 | 392.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -392.43 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 76.25 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.89 |
| | 63 Hz | 122.10 | 0.00 | | 76.25 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.63 |
| | 125 Hz | 115.00 | 0.00 | | 76.25 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.00 |
| | 250 Hz | 108.00 | 0.00 | | 76.25 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.84 |
| | 500 Hz | 103.90 | 0.00 | | 76.25 | 3.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.12 |
| | 1000 Hz | 101.60 | 0.00 | | 76.25 | 6.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.66 |
| | 2000 Hz | 96.70 | 0.00 | | 76.25 | 17.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.77 |
| | 4000 Hz | 88.60 | 0.00 | | 76.25 | 59.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -44.63 |
| | 8000 Hz | 80.90 | 0.00 | | 76.25 | 213.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -206.27 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 77.12 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.14 |
| | 125 Hz | 109.80 | 0.00 | | 77.12 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.85 |
| | 250 Hz | 107.40 | 0.00 | | 77.12 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.17 |
| | 500 Hz | 101.60 | 0.00 | | 77.12 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.58 |
| | 1000 Hz | 94.50 | 0.00 | | 77.12 | 7.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.98 |
| | 2000 Hz | 88.00 | 0.00 | | 77.12 | 19.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.67 |
| | 4000 Hz | 85.30 | 0.00 | | 77.12 | 66.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -55.11 |
| | 8000 Hz | 79.90 | 0.00 | | 77.12 | 236.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -230.65 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.05 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.28 |
| | 125 Hz | 110.80 | 0.00 | | 78.05 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.83 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 105.10 | 0.00 | | 78.05 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.70 |
| | 500 Hz | 102.60 | 0.00 | | 78.05 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.21 |
| | 1000 Hz | 99.60 | 0.00 | | 78.05 | 8.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.32 |
| | 2000 Hz | 93.10 | 0.00 | | 78.05 | 21.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.70 |
| | 4000 Hz | 80.70 | 0.00 | | 78.05 | 73.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.12 |
| | 8000 Hz | 77.00 | 0.00 | | 78.05 | 263.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -261.18 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.94 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.35 |
| | 125 Hz | 110.80 | 0.00 | | 78.94 | 1.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.83 |
| | 250 Hz | 105.10 | 0.00 | | 78.94 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.55 |
| | 500 Hz | 102.60 | 0.00 | | 78.94 | 4.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.85 |
| | 1000 Hz | 99.60 | 0.00 | | 78.94 | 9.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.53 |
| | 2000 Hz | 93.10 | 0.00 | | 78.94 | 24.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.96 |
| | 4000 Hz | 80.70 | 0.00 | | 78.94 | 81.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.03 |
| | 8000 Hz | 77.00 | 0.00 | | 78.94 | 291.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -290.65 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.74 | 0.33 | -3.00 | 0.00 | 0.00 | 2.32 | 0.00 | | 34.21 |
| | 125 Hz | 110.80 | 0.00 | | 79.74 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.93 |
| | 250 Hz | 105.10 | 0.00 | | 79.74 | 2.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.50 |
| | 500 Hz | 102.60 | 0.00 | | 79.74 | 5.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.59 |
| | 1000 Hz | 99.60 | 0.00 | | 79.74 | 10.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.85 |
| | 2000 Hz | 93.10 | 0.00 | | 79.74 | 26.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.08 |
| | 4000 Hz | 80.70 | 0.00 | | 79.74 | 89.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.71 |
| | 8000 Hz | 77.00 | 0.00 | | 79.74 | 319.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -319.54 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 75.27 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.93 |
| | 125 Hz | 104.80 | 0.00 | | 75.27 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.86 |
| | 250 Hz | 99.40 | 0.00 | | 75.27 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.42 |
| | 500 Hz | 95.00 | 0.00 | | 75.27 | 3.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.57 |
| | 1000 Hz | 93.20 | 0.00 | | 75.27 | 5.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.95 |
| | 2000 Hz | 89.10 | 0.00 | | 75.27 | 15.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.02 |
| | 4000 Hz | 83.90 | 0.00 | | 75.27 | 53.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.98 |
| | 8000 Hz | 82.20 | 0.00 | | 75.27 | 191.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -181.26 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.47 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.10 |
| | 125 Hz | 111.00 | 0.00 | | 86.47 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.08 |
| | 250 Hz | 106.60 | 0.00 | | 86.47 | 6.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.93 |
| | 500 Hz | 103.70 | 0.00 | | 86.47 | 11.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.77 |
| | 1000 Hz | 99.80 | 0.00 | | 86.47 | 21.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.40 |
| | 2000 Hz | 95.60 | 0.00 | | 86.47 | 57.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.28 |
| | 4000 Hz | 86.90 | 0.00 | | 86.47 | 194.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -191.26 |
| | 8000 Hz | 65.40 | 0.00 | | 86.47 | 694.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -712.44 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.72 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.92 |
| | 125 Hz | 111.00 | 0.00 | | 85.72 | 2.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.05 |
| | 250 Hz | 106.60 | 0.00 | | 85.72 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.21 |
| | 500 Hz | 103.70 | 0.00 | | 85.72 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.49 |
| | 1000 Hz | 99.80 | 0.00 | | 85.72 | 19.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.82 |
| | 2000 Hz | 95.60 | 0.00 | | 85.72 | 52.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.72 |
| | 4000 Hz | 86.90 | 0.00 | | 85.72 | 178.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -174.20 |
| | 8000 Hz | 65.40 | 0.00 | | 85.72 | 636.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -653.54 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.16 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.59 |
| | 125 Hz | 111.00 | 0.00 | | 84.16 | 1.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.97 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.60 | 0.00 | | 84.16 | 4.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.69 |
| | 500 Hz | 103.70 | 0.00 | | 84.16 | 8.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.77 |
| | 1000 Hz | 99.80 | 0.00 | | 84.16 | 16.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.00 |
| | 2000 Hz | 95.60 | 0.00 | | 84.16 | 43.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.54 |
| | 4000 Hz | 86.90 | 0.00 | | 84.16 | 149.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.40 |
| | 8000 Hz | 65.40 | 0.00 | | 84.16 | 531.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -547.69 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.02 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.33 |
| | 125 Hz | 110.20 | 0.00 | | 84.02 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.34 |
| | 250 Hz | 105.30 | 0.00 | | 84.02 | 4.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.60 |
| | 500 Hz | 102.70 | 0.00 | | 84.02 | 8.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.04 |
| | 1000 Hz | 99.80 | 0.00 | | 84.02 | 16.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.40 |
| | 2000 Hz | 95.50 | 0.00 | | 84.02 | 43.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.81 |
| | 4000 Hz | 84.90 | 0.00 | | 84.02 | 146.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -142.92 |
| | 8000 Hz | 61.80 | 0.00 | | 84.02 | 523.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -542.78 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.07 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.28 |
| | 125 Hz | 110.20 | 0.00 | | 84.07 | 1.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.27 |
| | 250 Hz | 105.30 | 0.00 | | 84.07 | 4.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.52 |
| | 500 Hz | 102.70 | 0.00 | | 84.07 | 8.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.94 |
| | 1000 Hz | 99.80 | 0.00 | | 84.07 | 16.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.25 |
| | 2000 Hz | 95.50 | 0.00 | | 84.07 | 43.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.12 |
| | 4000 Hz | 84.90 | 0.00 | | 84.07 | 147.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.85 |
| | 8000 Hz | 61.80 | 0.00 | | 84.07 | 526.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -545.98 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.85 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.97 |
| | 125 Hz | 111.00 | 0.00 | | 82.85 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.54 |
| | 250 Hz | 106.60 | 0.00 | | 82.85 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.67 |
| | 500 Hz | 103.70 | 0.00 | | 82.85 | 7.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.31 |
| | 1000 Hz | 99.80 | 0.00 | | 82.85 | 14.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.64 |
| | 2000 Hz | 95.60 | 0.00 | | 82.85 | 37.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.07 |
| | 4000 Hz | 86.90 | 0.00 | | 82.85 | 128.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.19 |
| | 8000 Hz | 65.40 | 0.00 | | 82.85 | 457.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.85 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.90 |
| | 125 Hz | 111.00 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.46 |
| | 250 Hz | 106.60 | 0.00 | | 82.92 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.57 |
| | 500 Hz | 103.70 | 0.00 | | 82.92 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.18 |
| | 1000 Hz | 99.80 | 0.00 | | 82.92 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.46 |
| | 2000 Hz | 95.60 | 0.00 | | 82.92 | 38.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.43 |
| | 4000 Hz | 86.90 | 0.00 | | 82.92 | 129.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.26 |
| | 8000 Hz | 65.40 | 0.00 | | 82.92 | 460.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -475.47 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 76.92 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.64 |
| | 125 Hz | 104.80 | 0.00 | | 76.92 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.07 |
| | 250 Hz | 101.20 | 0.00 | | 76.92 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.22 |
| | 500 Hz | 96.80 | 0.00 | | 76.92 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.07 |
| | 1000 Hz | 92.70 | 0.00 | | 76.92 | 7.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.55 |
| | 2000 Hz | 90.50 | 0.00 | | 76.92 | 19.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.52 |
| | 4000 Hz | 84.90 | 0.00 | | 76.92 | 64.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.80 |
| | 8000 Hz | 70.70 | 0.00 | | 76.92 | 231.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -234.28 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 82.24 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.52 |
| | 125 Hz | 106.90 | 0.00 | | 82.24 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.17 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.10 | 0.00 | | 82.24 | 3.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.06 |
| | 500 Hz | 100.40 | 0.00 | | 82.24 | 7.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.14 |
| | 1000 Hz | 96.10 | 0.00 | | 82.24 | 13.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.53 |
| | 2000 Hz | 90.70 | 0.00 | | 82.24 | 35.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.77 |
| | 4000 Hz | 83.90 | 0.00 | | 82.24 | 119.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.83 |
| | 8000 Hz | 75.80 | 0.00 | | 82.24 | 426.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -429.63 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.49 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 125 Hz | 108.80 | 0.00 | | 81.49 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.94 |
| | 250 Hz | 106.10 | 0.00 | | 81.49 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.12 |
| | 500 Hz | 102.40 | 0.00 | | 81.49 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.47 |
| | 1000 Hz | 98.10 | 0.00 | | 81.49 | 12.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.38 |
| | 2000 Hz | 92.80 | 0.00 | | 81.49 | 32.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.01 |
| | 4000 Hz | 85.90 | 0.00 | | 81.49 | 109.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.21 |
| | 8000 Hz | 77.90 | 0.00 | | 81.49 | 390.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -391.56 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 80.31 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.54 |
| | 125 Hz | 106.90 | 0.00 | | 80.31 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.39 |
| | 250 Hz | 104.10 | 0.00 | | 80.31 | 3.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.75 |
| | 500 Hz | 100.40 | 0.00 | | 80.31 | 5.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.46 |
| | 1000 Hz | 96.10 | 0.00 | | 80.31 | 10.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.11 |
| | 2000 Hz | 90.70 | 0.00 | | 80.31 | 28.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.83 |
| | 4000 Hz | 83.90 | 0.00 | | 80.31 | 95.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.11 |
| | 8000 Hz | 75.80 | 0.00 | | 80.31 | 341.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -342.86 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 74.01 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.02 |
| | 125 Hz | 108.80 | 0.00 | | 74.01 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.21 |
| | 250 Hz | 106.10 | 0.00 | | 74.01 | 1.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.61 |
| | 500 Hz | 102.40 | 0.00 | | 74.01 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.66 |
| | 1000 Hz | 98.10 | 0.00 | | 74.01 | 5.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.92 |
| | 2000 Hz | 92.80 | 0.00 | | 74.01 | 13.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.12 |
| | 4000 Hz | 85.90 | 0.00 | | 74.01 | 46.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.46 |
| | 8000 Hz | 77.90 | 0.00 | | 74.01 | 165.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.43 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.70 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.25 |
| | 125 Hz | 110.70 | 0.00 | | 72.70 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.50 |
| | 250 Hz | 108.00 | 0.00 | | 72.70 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.03 |
| | 500 Hz | 104.50 | 0.00 | | 72.70 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.46 |
| | 1000 Hz | 100.10 | 0.00 | | 72.70 | 4.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.95 |
| | 2000 Hz | 94.80 | 0.00 | | 72.70 | 11.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.35 |
| | 4000 Hz | 87.90 | 0.00 | | 72.70 | 39.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.66 |
| | 8000 Hz | 79.90 | 0.00 | | 72.70 | 142.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.96 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 69.50 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.70 |
| | 125 Hz | 110.90 | 0.00 | | 69.50 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.05 |
| | 250 Hz | 108.10 | 0.00 | | 69.50 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.72 |
| | 500 Hz | 104.40 | 0.00 | | 69.50 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.28 |
| | 1000 Hz | 100.10 | 0.00 | | 69.50 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.52 |
| | 2000 Hz | 94.80 | 0.00 | | 69.50 | 8.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.16 |
| | 4000 Hz | 88.00 | 0.00 | | 69.50 | 27.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.09 |
| | 8000 Hz | 80.00 | 0.00 | | 69.50 | 98.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -84.89 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.78 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.17 |
| | 125 Hz | 110.70 | 0.00 | | 72.78 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.42 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 250 Hz | 108.00 | 0.00 | | 72.78 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.94 |
| | 500 Hz | 104.50 | 0.00 | | 72.78 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.35 |
| | 1000 Hz | 100.10 | 0.00 | | 72.78 | 4.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.83 |
| | 2000 Hz | 94.80 | 0.00 | | 72.78 | 11.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.16 |
| | 4000 Hz | 87.90 | 0.00 | | 72.78 | 40.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.11 |
| | 8000 Hz | 79.90 | 0.00 | | 72.78 | 143.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.37 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 66.49 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.74 |
| | 125 Hz | 110.90 | 0.00 | | 66.49 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.17 |
| | 250 Hz | 108.10 | 0.00 | | 66.49 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.99 |
| | 500 Hz | 104.40 | 0.00 | | 66.49 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.77 |
| | 1000 Hz | 100.10 | 0.00 | | 66.49 | 2.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.44 |
| | 2000 Hz | 94.80 | 0.00 | | 66.49 | 5.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.56 |
| | 4000 Hz | 88.00 | 0.00 | | 66.49 | 19.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.02 |
| | 8000 Hz | 80.00 | 0.00 | | 66.49 | 69.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -53.02 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 69.51 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.49 |
| | 125 Hz | 110.70 | 0.00 | | 69.51 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.85 |
| | 250 Hz | 108.00 | 0.00 | | 69.51 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.61 |
| | 500 Hz | 104.50 | 0.00 | | 69.51 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.37 |
| | 1000 Hz | 100.10 | 0.00 | | 69.51 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.51 |
| | 2000 Hz | 94.80 | 0.00 | | 69.51 | 8.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.15 |
| | 4000 Hz | 87.90 | 0.00 | | 69.51 | 27.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.21 |
| | 8000 Hz | 79.90 | 0.00 | | 69.51 | 98.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -85.04 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt018 | IP P | 379245.80 | | 5775855.52 | | 68.473 | | 45.14 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 84.43 | 9.03 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 74.00 | 2.72 | 4.67 | 0.00 | 0.00 | 0.00 | 0.00 | 16.62 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 73.53 | 2.57 | 4.34 | 0.00 | 0.00 | 0.43 | 0.00 | 17.14 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 80.58 | 5.79 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 | -87.14 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 83.13 | 0.49 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 18.81 |
| | 125 Hz | 102.50 | 0.00 | | 83.13 | 1.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.94 |
| | 250 Hz | 99.20 | 0.00 | | 83.13 | 4.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 10.09 |
| | 500 Hz | 96.00 | 0.00 | | 83.13 | 7.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 3.31 |
| | 1000 Hz | 92.30 | 0.00 | | 83.13 | 14.78 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -7.38 |
| | 2000 Hz | 89.10 | 0.00 | | 83.13 | 39.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -34.85 |
| | 4000 Hz | 85.30 | 0.00 | | 83.13 | 132.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -132.02 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 82.90 | 0.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.05 |
| | 125 Hz | 105.50 | 0.00 | | 82.90 | 1.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 19.21 |
| | 250 Hz | 102.20 | 0.00 | | 82.90 | 4.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.42 |
| | 500 Hz | 99.00 | 0.00 | | 82.90 | 7.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 6.74 |
| | 1000 Hz | 95.30 | 0.00 | | 82.90 | 14.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -3.77 |
| | 2000 Hz | 92.10 | 0.00 | | 82.90 | 38.04 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -30.61 |
| | 4000 Hz | 88.30 | 0.00 | | 82.90 | 129.01 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -125.38 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.21 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 34.28 |
| | 63 Hz | 116.40 | 0.00 | | 84.21 | 0.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 29.87 |
| | 125 Hz | 110.70 | 0.00 | | 84.21 | 1.88 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.84 |
| | 250 Hz | 104.40 | 0.00 | | 84.21 | 4.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.65 |
| | 500 Hz | 101.20 | 0.00 | | 84.21 | 8.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 6.40 |
| | 1000 Hz | 99.40 | 0.00 | | 84.21 | 16.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -3.31 |
| | 2000 Hz | 93.80 | 0.00 | | 84.21 | 44.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -36.39 |
| | 4000 Hz | 86.70 | 0.00 | | 84.21 | 149.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -149.22 |
| | 8000 Hz | 78.40 | 0.00 | | 84.21 | 534.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -542.37 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 78.14 | 0.07 | -3.00 | 0.00 | 0.00 | 3.18 | 0.00 | 42.01 |
| | 63 Hz | 116.40 | 0.00 | | 78.14 | 0.28 | -3.00 | 0.00 | 0.00 | 0.63 | 0.00 | 40.35 |
| | 125 Hz | 110.70 | 0.00 | | 78.14 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.62 |
| | 250 Hz | 104.40 | 0.00 | | 78.14 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.88 |
| | 500 Hz | 101.20 | 0.00 | | 78.14 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.67 |
| | 1000 Hz | 99.40 | 0.00 | | 78.14 | 8.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.93 |
| | 2000 Hz | 93.80 | 0.00 | | 78.14 | 22.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.34 |
| | 4000 Hz | 86.70 | 0.00 | | 78.14 | 74.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -63.05 |
| | 8000 Hz | 78.40 | 0.00 | | 78.14 | 266.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -262.83 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.00 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 35.50 |
| | 63 Hz | 116.40 | 0.00 | | 83.00 | 0.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 31.15 |
| | 125 Hz | 110.70 | 0.00 | | 83.00 | 1.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 24.29 |
| | 250 Hz | 104.40 | 0.00 | | 83.00 | 4.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.48 |
| | 500 Hz | 101.20 | 0.00 | | 83.00 | 7.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 8.76 |
| | 1000 Hz | 99.40 | 0.00 | | 83.00 | 14.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 0.07 |
| | 2000 Hz | 93.80 | 0.00 | | 83.00 | 38.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -29.44 |
| | 4000 Hz | 86.70 | 0.00 | | 83.00 | 130.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -128.54 |
| | 8000 Hz | 78.40 | 0.00 | | 83.00 | 465.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -471.70 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.62 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 34.87 |
| | 63 Hz | 116.40 | 0.00 | | 83.62 | 0.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 30.49 |
| | 125 Hz | 110.70 | 0.00 | | 83.62 | 1.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 23.55 |
| | 250 Hz | 104.40 | 0.00 | | 83.62 | 4.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 14.55 |
| | 500 Hz | 101.20 | 0.00 | | 83.62 | 8.24 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 7.57 |
| | 1000 Hz | 99.40 | 0.00 | | 83.62 | 15.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -1.62 |
| | 2000 Hz | 93.80 | 0.00 | | 83.62 | 41.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -32.90 |
| | 4000 Hz | 86.70 | 0.00 | | 83.62 | 140.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -138.79 |
| | 8000 Hz | 78.40 | 0.00 | | 83.62 | 499.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -506.69 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.72 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 36.80 |
| | 63 Hz | 116.40 | 0.00 | | 81.72 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 32.49 |
| | 125 Hz | 110.70 | 0.00 | | 81.72 | 1.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 25.80 |
| | 250 Hz | 104.40 | 0.00 | | 81.72 | 3.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 17.32 |
| | 500 Hz | 101.20 | 0.00 | | 81.72 | 6.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 11.08 |
| | 1000 Hz | 99.40 | 0.00 | | 81.72 | 12.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 3.34 |
| | 2000 Hz | 93.80 | 0.00 | | 81.72 | 33.21 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -22.90 |
| | 4000 Hz | 86.70 | 0.00 | | 81.72 | 112.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -109.41 |
| | 8000 Hz | 78.40 | 0.00 | | 81.72 | 401.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -406.76 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.33 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 36.18 |
| | 63 Hz | 116.40 | 0.00 | | 82.33 | 0.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 31.85 |
| | 125 Hz | 110.70 | 0.00 | | 82.33 | 1.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 25.09 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 82.33 | 3.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.46 |
| | 500 Hz | 101.20 | 0.00 | | 82.33 | 7.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 10.00 |
| | 1000 Hz | 99.40 | 0.00 | | 82.33 | 13.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 1.83 |
| | 2000 Hz | 93.80 | 0.00 | | 82.33 | 35.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -25.90 |
| | 4000 Hz | 86.70 | 0.00 | | 82.33 | 120.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -118.14 |
| | 8000 Hz | 78.40 | 0.00 | | 82.33 | 430.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -436.36 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.66 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.83 |
| | 63 Hz | 116.40 | 0.00 | | 83.66 | 0.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.45 |
| | 125 Hz | 110.70 | 0.00 | | 83.66 | 1.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.50 |
| | 250 Hz | 104.40 | 0.00 | | 83.66 | 4.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.49 |
| | 500 Hz | 101.20 | 0.00 | | 83.66 | 8.28 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.49 |
| | 1000 Hz | 99.40 | 0.00 | | 83.66 | 15.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1.74 |
| | 2000 Hz | 93.80 | 0.00 | | 83.66 | 41.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -33.15 |
| | 4000 Hz | 86.70 | 0.00 | | 83.66 | 140.80 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -139.53 |
| | 8000 Hz | 78.40 | 0.00 | | 83.66 | 502.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -509.20 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.47 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.02 |
| | 63 Hz | 116.40 | 0.00 | | 83.47 | 0.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.65 |
| | 125 Hz | 110.70 | 0.00 | | 83.47 | 1.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.73 |
| | 250 Hz | 104.40 | 0.00 | | 83.47 | 4.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.77 |
| | 500 Hz | 101.20 | 0.00 | | 83.47 | 8.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.86 |
| | 1000 Hz | 99.40 | 0.00 | | 83.47 | 15.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1.22 |
| | 2000 Hz | 93.80 | 0.00 | | 83.47 | 40.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -32.07 |
| | 4000 Hz | 86.70 | 0.00 | | 83.47 | 137.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -136.30 |
| | 8000 Hz | 78.40 | 0.00 | | 83.47 | 491.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -498.19 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 82.68 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.53 |
| | 63 Hz | 113.10 | 0.00 | | 82.68 | 0.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.18 |
| | 125 Hz | 107.40 | 0.00 | | 82.68 | 1.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.37 |
| | 250 Hz | 101.10 | 0.00 | | 82.68 | 4.00 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.65 |
| | 500 Hz | 97.90 | 0.00 | | 82.68 | 7.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.06 |
| | 1000 Hz | 96.10 | 0.00 | | 82.68 | 14.03 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.38 |
| | 2000 Hz | 90.50 | 0.00 | | 82.68 | 37.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -31.03 |
| | 4000 Hz | 83.40 | 0.00 | | 82.68 | 125.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -126.78 |
| | 8000 Hz | 75.10 | 0.00 | | 82.68 | 448.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -457.80 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.80 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.69 |
| | 63 Hz | 116.40 | 0.00 | | 83.80 | 0.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.30 |
| | 125 Hz | 110.70 | 0.00 | | 83.80 | 1.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.34 |
| | 250 Hz | 104.40 | 0.00 | | 83.80 | 4.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.28 |
| | 500 Hz | 101.20 | 0.00 | | 83.80 | 8.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.22 |
| | 1000 Hz | 99.40 | 0.00 | | 83.80 | 15.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.13 |
| | 2000 Hz | 93.80 | 0.00 | | 83.80 | 42.18 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -33.95 |
| | 4000 Hz | 86.70 | 0.00 | | 83.80 | 143.03 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -141.90 |
| | 8000 Hz | 78.40 | 0.00 | | 83.80 | 510.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -517.31 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.48 | 0.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.00 |
| | 63 Hz | 116.40 | 0.00 | | 84.48 | 0.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 29.57 |
| | 125 Hz | 110.70 | 0.00 | | 84.48 | 1.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.51 |
| | 250 Hz | 104.40 | 0.00 | | 84.48 | 4.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.22 |
| | 500 Hz | 101.20 | 0.00 | | 84.48 | 9.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.85 |
| | 1000 Hz | 99.40 | 0.00 | | 84.48 | 17.27 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -4.12 |
| | 2000 Hz | 93.80 | 0.00 | | 84.48 | 45.63 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -38.08 |
| | 4000 Hz | 86.70 | 0.00 | | 84.48 | 154.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -154.29 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 84.48 | 551.89 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -559.74 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.12 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.89 |
| | 125 Hz | 104.80 | 0.00 | | 86.12 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.34 |
| | 250 Hz | 101.50 | 0.00 | | 86.12 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.44 |
| | 500 Hz | 97.10 | 0.00 | | 86.12 | 10.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.99 |
| | 1000 Hz | 91.00 | 0.00 | | 86.12 | 20.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.97 |
| | 2000 Hz | 86.30 | 0.00 | | 86.12 | 55.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.91 |
| | 4000 Hz | 80.30 | 0.00 | | 86.12 | 186.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -189.65 |
| | 8000 Hz | 74.00 | 0.00 | | 86.12 | 666.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -675.49 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.63 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.17 |
| | 63 Hz | 113.00 | 0.00 | | 86.63 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.63 |
| | 125 Hz | 108.60 | 0.00 | | 86.63 | 2.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.48 |
| | 250 Hz | 105.70 | 0.00 | | 86.63 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.75 |
| | 500 Hz | 101.70 | 0.00 | | 86.63 | 11.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.40 |
| | 1000 Hz | 95.50 | 0.00 | | 86.63 | 22.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.26 |
| | 2000 Hz | 89.70 | 0.00 | | 86.63 | 58.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.41 |
| | 4000 Hz | 82.20 | 0.00 | | 86.63 | 198.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.73 |
| | 8000 Hz | 74.00 | 0.00 | | 86.63 | 707.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -716.90 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.83 | 0.20 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | 26.64 |
| | 63 Hz | 113.00 | 0.00 | | 86.83 | 0.75 | -3.00 | 0.00 | 0.00 | 3.85 | 0.00 | | 24.57 |
| | 125 Hz | 108.60 | 0.00 | | 86.83 | 2.54 | -3.00 | 0.00 | 0.00 | 2.69 | 0.00 | | 19.54 |
| | 250 Hz | 105.70 | 0.00 | | 86.83 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.42 |
| | 500 Hz | 101.70 | 0.00 | | 86.83 | 11.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.95 |
| | 1000 Hz | 95.50 | 0.00 | | 86.83 | 22.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.95 |
| | 2000 Hz | 89.70 | 0.00 | | 86.83 | 59.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.92 |
| | 4000 Hz | 82.20 | 0.00 | | 86.83 | 202.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.38 |
| | 8000 Hz | 74.00 | 0.00 | | 86.83 | 723.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -732.96 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 83.75 | 0.14 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 30.67 |
| | 63 Hz | 111.30 | 0.00 | | 83.75 | 0.53 | -3.00 | 0.00 | 0.00 | 1.17 | 0.00 | | 28.84 |
| | 125 Hz | 107.40 | 0.00 | | 83.75 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.86 |
| | 250 Hz | 102.80 | 0.00 | | 83.75 | 4.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.52 |
| | 500 Hz | 99.70 | 0.00 | | 83.75 | 8.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.58 |
| | 1000 Hz | 96.60 | 0.00 | | 83.75 | 15.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.04 |
| | 2000 Hz | 91.70 | 0.00 | | 83.75 | 41.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.02 |
| | 4000 Hz | 85.00 | 0.00 | | 83.75 | 142.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.07 |
| | 8000 Hz | 87.30 | 0.00 | | 83.75 | 507.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -501.05 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.41 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.77 |
| | 125 Hz | 108.60 | 0.00 | | 86.41 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.77 |
| | 250 Hz | 103.40 | 0.00 | | 86.41 | 6.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.84 |
| | 500 Hz | 99.10 | 0.00 | | 86.41 | 11.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.33 |
| | 1000 Hz | 98.00 | 0.00 | | 86.41 | 21.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.97 |
| | 2000 Hz | 89.80 | 0.00 | | 86.41 | 56.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.59 |
| | 4000 Hz | 85.30 | 0.00 | | 86.41 | 193.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -191.33 |
| | 8000 Hz | 80.10 | 0.00 | | 86.41 | 689.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -692.47 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.25 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.16 |
| | 63 Hz | 112.30 | 0.00 | | 86.25 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.34 |
| | 125 Hz | 108.10 | 0.00 | | 86.25 | 2.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.47 |
| | 250 Hz | 103.50 | 0.00 | | 86.25 | 6.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.20 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 100.70 | 0.00 | | 86.25 | 11.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.28 |
| | 1000 Hz | 98.30 | 0.00 | | 86.25 | 21.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.14 |
| | 2000 Hz | 93.80 | 0.00 | | 86.25 | 55.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.43 |
| | 4000 Hz | 86.20 | 0.00 | | 86.25 | 189.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -186.86 |
| | 8000 Hz | 78.20 | 0.00 | | 86.25 | 676.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -682.02 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 85.71 | 0.17 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | | 29.56 |
| | 63 Hz | 111.70 | 0.00 | | 85.71 | 0.66 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | | 24.89 |
| | 125 Hz | 106.40 | 0.00 | | 85.71 | 2.24 | -3.00 | 0.00 | 0.00 | 1.54 | 0.00 | | 19.91 |
| | 250 Hz | 102.10 | 0.00 | | 85.71 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.71 |
| | 500 Hz | 99.10 | 0.00 | | 85.71 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.90 |
| | 1000 Hz | 96.90 | 0.00 | | 85.71 | 19.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.71 |
| | 2000 Hz | 90.50 | 0.00 | | 85.71 | 52.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.79 |
| | 4000 Hz | 81.00 | 0.00 | | 85.71 | 178.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -180.00 |
| | 8000 Hz | 76.50 | 0.00 | | 85.71 | 635.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -642.11 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.19 | 0.21 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | | 29.58 |
| | 63 Hz | 110.40 | 0.00 | | 87.19 | 0.79 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 21.16 |
| | 125 Hz | 107.20 | 0.00 | | 87.19 | 2.65 | -3.00 | 0.00 | 0.00 | 3.68 | 0.00 | | 16.67 |
| | 250 Hz | 101.70 | 0.00 | | 87.19 | 6.73 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | | 8.54 |
| | 500 Hz | 98.20 | 0.00 | | 87.19 | 12.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.57 |
| | 1000 Hz | 95.60 | 0.00 | | 87.19 | 23.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.19 |
| | 2000 Hz | 93.70 | 0.00 | | 87.19 | 62.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.85 |
| | 4000 Hz | 90.70 | 0.00 | | 87.19 | 211.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.96 |
| | 8000 Hz | 79.50 | 0.00 | | 87.19 | 754.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -758.93 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.48 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.15 |
| | 63 Hz | 111.60 | 0.00 | | 85.48 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.48 |
| | 125 Hz | 108.60 | 0.00 | | 85.48 | 2.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.95 |
| | 250 Hz | 106.50 | 0.00 | | 85.48 | 5.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.50 |
| | 500 Hz | 102.90 | 0.00 | | 85.48 | 10.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.22 |
| | 1000 Hz | 99.60 | 0.00 | | 85.48 | 19.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.25 |
| | 2000 Hz | 95.90 | 0.00 | | 85.48 | 51.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.76 |
| | 4000 Hz | 90.10 | 0.00 | | 85.48 | 173.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -165.93 |
| | 8000 Hz | 76.30 | 0.00 | | 85.48 | 619.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -625.18 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 85.66 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.97 |
| | 63 Hz | 111.60 | 0.00 | | 85.66 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.28 |
| | 125 Hz | 108.60 | 0.00 | | 85.66 | 2.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.72 |
| | 250 Hz | 106.50 | 0.00 | | 85.66 | 5.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.20 |
| | 500 Hz | 102.90 | 0.00 | | 85.66 | 10.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.82 |
| | 1000 Hz | 99.60 | 0.00 | | 85.66 | 19.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.84 |
| | 2000 Hz | 95.90 | 0.00 | | 85.66 | 52.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.03 |
| | 4000 Hz | 90.10 | 0.00 | | 85.66 | 177.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -169.81 |
| | 8000 Hz | 76.30 | 0.00 | | 85.66 | 632.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -638.54 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.28 | 0.15 | -3.00 | 0.00 | 0.00 | 3.82 | 0.00 | | 28.55 |
| | 63 Hz | 111.60 | 0.00 | | 84.28 | 0.56 | -3.00 | 0.00 | 0.00 | 2.59 | 0.00 | | 27.17 |
| | 125 Hz | 108.60 | 0.00 | | 84.28 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.42 |
| | 250 Hz | 106.50 | 0.00 | | 84.28 | 4.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.40 |
| | 500 Hz | 102.90 | 0.00 | | 84.28 | 8.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.72 |
| | 1000 Hz | 99.60 | 0.00 | | 84.28 | 16.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.44 |
| | 2000 Hz | 95.90 | 0.00 | | 84.28 | 44.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.99 |
| | 4000 Hz | 90.10 | 0.00 | | 84.28 | 151.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -142.45 |
| | 8000 Hz | 76.30 | 0.00 | | 84.28 | 539.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -544.49 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.14 | 0.15 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | 28.86 |
| | 63 Hz | 111.60 | 0.00 | | 84.14 | 0.55 | -3.00 | 0.00 | 0.00 | 2.15 | 0.00 | 27.76 |
| | 125 Hz | 108.60 | 0.00 | | 84.14 | 1.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.59 |
| | 250 Hz | 106.50 | 0.00 | | 84.14 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.62 |
| | 500 Hz | 102.90 | 0.00 | | 84.14 | 8.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 |
| | 1000 Hz | 99.60 | 0.00 | | 84.14 | 16.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 |
| | 2000 Hz | 95.90 | 0.00 | | 84.14 | 43.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.13 |
| | 4000 Hz | 90.10 | 0.00 | | 84.14 | 148.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -139.87 |
| | 8000 Hz | 76.30 | 0.00 | | 84.14 | 530.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -535.66 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.49 | 0.15 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | 28.49 |
| | 63 Hz | 111.60 | 0.00 | | 84.49 | 0.58 | -3.00 | 0.00 | 0.00 | 2.20 | 0.00 | 27.34 |
| | 125 Hz | 108.60 | 0.00 | | 84.49 | 1.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.17 |
| | 250 Hz | 106.50 | 0.00 | | 84.49 | 4.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.08 |
| | 500 Hz | 102.90 | 0.00 | | 84.49 | 9.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.30 |
| | 1000 Hz | 99.60 | 0.00 | | 84.49 | 17.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 |
| | 2000 Hz | 95.90 | 0.00 | | 84.49 | 45.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -31.27 |
| | 4000 Hz | 90.10 | 0.00 | | 84.49 | 154.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -146.31 |
| | 8000 Hz | 76.30 | 0.00 | | 84.49 | 552.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -557.73 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.00 | 0.13 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | 30.27 |
| | 63 Hz | 111.60 | 0.00 | | 83.00 | 0.48 | -3.00 | 0.00 | 0.00 | 1.39 | 0.00 | 29.73 |
| | 125 Hz | 108.60 | 0.00 | | 83.00 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.97 |
| | 250 Hz | 106.50 | 0.00 | | 83.00 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.35 |
| | 500 Hz | 102.90 | 0.00 | | 83.00 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.23 |
| | 1000 Hz | 99.60 | 0.00 | | 83.00 | 14.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 |
| | 2000 Hz | 95.90 | 0.00 | | 83.00 | 38.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.57 |
| | 4000 Hz | 90.10 | 0.00 | | 83.00 | 130.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -120.36 |
| | 8000 Hz | 76.30 | 0.00 | | 83.00 | 465.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -469.00 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.00 | 0.13 | -3.00 | 0.00 | 0.00 | 3.25 | 0.00 | 30.43 |
| | 63 Hz | 111.60 | 0.00 | | 83.00 | 0.48 | -3.00 | 0.00 | 0.00 | 0.87 | 0.00 | 30.25 |
| | 125 Hz | 108.60 | 0.00 | | 83.00 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.97 |
| | 250 Hz | 106.50 | 0.00 | | 83.00 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.35 |
| | 500 Hz | 102.90 | 0.00 | | 83.00 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.23 |
| | 1000 Hz | 99.60 | 0.00 | | 83.00 | 14.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 |
| | 2000 Hz | 95.90 | 0.00 | | 83.00 | 38.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.57 |
| | 4000 Hz | 90.10 | 0.00 | | 83.00 | 130.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -120.37 |
| | 8000 Hz | 76.30 | 0.00 | | 83.00 | 465.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -469.03 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.66 | 0.14 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | 29.62 |
| | 63 Hz | 111.60 | 0.00 | | 83.66 | 0.52 | -3.00 | 0.00 | 0.00 | 1.34 | 0.00 | 29.08 |
| | 125 Hz | 108.60 | 0.00 | | 83.66 | 1.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.18 |
| | 250 Hz | 106.50 | 0.00 | | 83.66 | 4.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.36 |
| | 500 Hz | 102.90 | 0.00 | | 83.66 | 8.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.97 |
| | 1000 Hz | 99.60 | 0.00 | | 83.66 | 15.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 |
| | 2000 Hz | 95.90 | 0.00 | | 83.66 | 41.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.26 |
| | 4000 Hz | 90.10 | 0.00 | | 83.66 | 140.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -131.30 |
| | 8000 Hz | 76.30 | 0.00 | | 83.66 | 501.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -506.35 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 86.52 | 0.73 | -3.00 | 0.00 | 0.00 | 2.93 | 0.00 | -80.28 |
| | 125 Hz | 5.20 | 0.00 | | 86.52 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -80.77 |
| | 250 Hz | 1.90 | 0.00 | | 86.52 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -87.85 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 500 Hz | -1.30 | 0.00 | | 86.52 | 11.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -96.33 |
| | 1000 Hz | -5.00 | 0.00 | | 86.52 | 21.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -110.36 |
| | 2000 Hz | -8.20 | 0.00 | | 86.52 | 57.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -149.42 |
| | 4000 Hz | -12.00 | 0.00 | | 86.52 | 195.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -291.20 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 76.25 | 0.22 | -3.00 | 0.00 | 0.00 | 3.21 | 0.00 | 31.51 |
| | 125 Hz | 106.50 | 0.00 | | 76.25 | 0.75 | -3.00 | 0.00 | 0.00 | 0.81 | 0.00 | 31.68 |
| | 250 Hz | 103.20 | 0.00 | | 76.25 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.03 |
| | 500 Hz | 100.00 | 0.00 | | 76.25 | 3.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.21 |
| | 1000 Hz | 96.30 | 0.00 | | 76.25 | 6.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.35 |
| | 2000 Hz | 93.10 | 0.00 | | 76.25 | 17.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 |
| | 4000 Hz | 89.30 | 0.00 | | 76.25 | 60.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.98 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.56 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 30.35 |
| | 63 Hz | 110.90 | 0.00 | | 82.56 | 0.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 26.11 |
| | 125 Hz | 108.00 | 0.00 | | 82.56 | 1.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.11 |
| | 250 Hz | 103.80 | 0.00 | | 82.56 | 3.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.52 |
| | 500 Hz | 101.90 | 0.00 | | 82.56 | 7.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 10.27 |
| | 1000 Hz | 98.90 | 0.00 | | 82.56 | 13.85 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 0.72 |
| | 2000 Hz | 94.60 | 0.00 | | 82.56 | 36.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -26.32 |
| | 4000 Hz | 88.20 | 0.00 | | 82.56 | 124.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -120.21 |
| | 8000 Hz | 78.80 | 0.00 | | 82.56 | 442.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -448.08 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.81 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 31.11 |
| | 63 Hz | 110.90 | 0.00 | | 81.81 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 26.90 |
| | 125 Hz | 108.00 | 0.00 | | 81.81 | 1.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.99 |
| | 250 Hz | 103.80 | 0.00 | | 81.81 | 3.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 16.60 |
| | 500 Hz | 101.90 | 0.00 | | 81.81 | 6.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 11.63 |
| | 1000 Hz | 98.90 | 0.00 | | 81.81 | 12.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 2.62 |
| | 2000 Hz | 94.60 | 0.00 | | 81.81 | 33.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -22.53 |
| | 4000 Hz | 88.20 | 0.00 | | 81.81 | 113.78 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -109.16 |
| | 8000 Hz | 78.80 | 0.00 | | 81.81 | 405.81 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -410.59 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.40 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 30.51 |
| | 63 Hz | 110.90 | 0.00 | | 82.40 | 0.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 26.27 |
| | 125 Hz | 108.00 | 0.00 | | 82.40 | 1.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 22.30 |
| | 250 Hz | 103.80 | 0.00 | | 82.40 | 3.88 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.75 |
| | 500 Hz | 101.90 | 0.00 | | 82.40 | 7.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 10.56 |
| | 1000 Hz | 98.90 | 0.00 | | 82.40 | 13.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 1.13 |
| | 2000 Hz | 94.60 | 0.00 | | 82.40 | 35.92 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -25.49 |
| | 4000 Hz | 88.20 | 0.00 | | 82.40 | 121.81 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -117.78 |
| | 8000 Hz | 78.80 | 0.00 | | 82.40 | 434.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -439.83 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.10 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 31.83 |
| | 63 Hz | 110.90 | 0.00 | | 81.10 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 27.64 |
| | 125 Hz | 108.00 | 0.00 | | 81.10 | 1.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 23.82 |
| | 250 Hz | 103.80 | 0.00 | | 81.10 | 3.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 17.59 |
| | 500 Hz | 101.90 | 0.00 | | 81.10 | 6.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.86 |
| | 1000 Hz | 98.90 | 0.00 | | 81.10 | 11.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 4.33 |
| | 2000 Hz | 94.60 | 0.00 | | 81.10 | 30.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -19.18 |
| | 4000 Hz | 88.20 | 0.00 | | 81.10 | 104.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -99.51 |
| | 8000 Hz | 78.80 | 0.00 | | 81.10 | 373.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -377.98 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 75.34 | 0.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.81 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 122.10 | 0.00 | | 75.34 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.56 |
| | 125 Hz | 115.00 | 0.00 | | 75.34 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.99 |
| | 250 Hz | 108.00 | 0.00 | | 75.34 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.95 |
| | 500 Hz | 103.90 | 0.00 | | 75.34 | 3.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.39 |
| | 1000 Hz | 101.60 | 0.00 | | 75.34 | 6.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.24 |
| | 2000 Hz | 96.70 | 0.00 | | 75.34 | 15.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.44 |
| | 4000 Hz | 88.60 | 0.00 | | 75.34 | 54.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.73 |
| | 8000 Hz | 80.90 | 0.00 | | 75.34 | 192.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -184.03 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 76.42 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.86 |
| | 125 Hz | 109.80 | 0.00 | | 76.42 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.62 |
| | 250 Hz | 107.40 | 0.00 | | 76.42 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.04 |
| | 500 Hz | 101.60 | 0.00 | | 76.42 | 3.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.59 |
| | 1000 Hz | 94.50 | 0.00 | | 76.42 | 6.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.26 |
| | 2000 Hz | 88.00 | 0.00 | | 76.42 | 18.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.45 |
| | 4000 Hz | 85.30 | 0.00 | | 76.42 | 61.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.28 |
| | 8000 Hz | 79.90 | 0.00 | | 76.42 | 218.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -211.65 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.40 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.95 |
| | 125 Hz | 110.80 | 0.00 | | 77.40 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.55 |
| | 250 Hz | 105.10 | 0.00 | | 77.40 | 2.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.53 |
| | 500 Hz | 102.60 | 0.00 | | 77.40 | 4.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.18 |
| | 1000 Hz | 99.60 | 0.00 | | 77.40 | 7.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.57 |
| | 2000 Hz | 93.10 | 0.00 | | 77.40 | 20.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.48 |
| | 4000 Hz | 80.70 | 0.00 | | 77.40 | 68.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.14 |
| | 8000 Hz | 77.00 | 0.00 | | 77.40 | 244.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -241.53 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.34 | 0.28 | -3.00 | 0.00 | 0.00 | 1.09 | 0.00 | | 36.89 |
| | 125 Hz | 110.80 | 0.00 | | 78.34 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.51 |
| | 250 Hz | 105.10 | 0.00 | | 78.34 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.33 |
| | 500 Hz | 102.60 | 0.00 | | 78.34 | 4.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.77 |
| | 1000 Hz | 99.60 | 0.00 | | 78.34 | 8.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.75 |
| | 2000 Hz | 93.10 | 0.00 | | 78.34 | 22.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.74 |
| | 4000 Hz | 80.70 | 0.00 | | 78.34 | 76.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.93 |
| | 8000 Hz | 77.00 | 0.00 | | 78.34 | 272.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -270.44 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.17 | 0.31 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 33.20 |
| | 125 Hz | 110.80 | 0.00 | | 79.17 | 1.05 | -3.00 | 0.00 | 0.00 | 2.88 | 0.00 | | 30.70 |
| | 250 Hz | 105.10 | 0.00 | | 79.17 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.26 |
| | 500 Hz | 102.60 | 0.00 | | 79.17 | 4.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.50 |
| | 1000 Hz | 99.60 | 0.00 | | 79.17 | 9.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.07 |
| | 2000 Hz | 93.10 | 0.00 | | 79.17 | 24.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.82 |
| | 4000 Hz | 80.70 | 0.00 | | 79.17 | 83.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.40 |
| | 8000 Hz | 77.00 | 0.00 | | 79.17 | 299.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -298.52 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 74.44 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.77 |
| | 125 Hz | 104.80 | 0.00 | | 74.44 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.74 |
| | 250 Hz | 99.40 | 0.00 | | 74.44 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.40 |
| | 500 Hz | 95.00 | 0.00 | | 74.44 | 2.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.69 |
| | 1000 Hz | 93.20 | 0.00 | | 74.44 | 5.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.32 |
| | 2000 Hz | 89.10 | 0.00 | | 74.44 | 14.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.29 |
| | 4000 Hz | 83.90 | 0.00 | | 74.44 | 48.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.27 |
| | 8000 Hz | 82.20 | 0.00 | | 74.44 | 173.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -163.05 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 115.30 | 0.00 | | 86.84 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.70 |
| | 125 Hz | 111.00 | 0.00 | | 86.84 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.61 |
| | 250 Hz | 106.60 | 0.00 | | 86.84 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.29 |
| | 500 Hz | 103.70 | 0.00 | | 86.84 | 11.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.91 |
| | 1000 Hz | 99.80 | 0.00 | | 86.84 | 22.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.72 |
| | 2000 Hz | 95.60 | 0.00 | | 86.84 | 59.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.15 |
| | 4000 Hz | 86.90 | 0.00 | | 86.84 | 203.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -200.10 |
| | 8000 Hz | 65.40 | 0.00 | | 86.84 | 724.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -743.03 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.12 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.48 |
| | 125 Hz | 111.00 | 0.00 | | 86.12 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.53 |
| | 250 Hz | 106.60 | 0.00 | | 86.12 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.52 |
| | 500 Hz | 103.70 | 0.00 | | 86.12 | 11.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.58 |
| | 1000 Hz | 99.80 | 0.00 | | 86.12 | 20.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.19 |
| | 2000 Hz | 95.60 | 0.00 | | 86.12 | 55.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.66 |
| | 4000 Hz | 86.90 | 0.00 | | 86.12 | 186.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -183.19 |
| | 8000 Hz | 65.40 | 0.00 | | 86.12 | 666.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -684.57 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.65 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.07 |
| | 125 Hz | 111.00 | 0.00 | | 84.65 | 1.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.38 |
| | 250 Hz | 106.60 | 0.00 | | 84.65 | 5.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.93 |
| | 500 Hz | 103.70 | 0.00 | | 84.65 | 9.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.78 |
| | 1000 Hz | 99.80 | 0.00 | | 84.65 | 17.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.55 |
| | 2000 Hz | 95.60 | 0.00 | | 84.65 | 46.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.55 |
| | 4000 Hz | 86.90 | 0.00 | | 84.65 | 157.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.46 |
| | 8000 Hz | 65.40 | 0.00 | | 84.65 | 562.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -578.75 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.51 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.82 |
| | 125 Hz | 110.20 | 0.00 | | 84.51 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.75 |
| | 250 Hz | 105.30 | 0.00 | | 84.51 | 4.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.85 |
| | 500 Hz | 102.70 | 0.00 | | 84.51 | 9.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.06 |
| | 1000 Hz | 99.80 | 0.00 | | 84.51 | 17.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.97 |
| | 2000 Hz | 95.50 | 0.00 | | 84.51 | 45.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.78 |
| | 4000 Hz | 84.90 | 0.00 | | 84.51 | 155.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -151.83 |
| | 8000 Hz | 61.80 | 0.00 | | 84.51 | 553.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -573.32 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 84.55 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.78 |
| | 125 Hz | 110.20 | 0.00 | | 84.55 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.70 |
| | 250 Hz | 105.30 | 0.00 | | 84.55 | 4.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.79 |
| | 500 Hz | 102.70 | 0.00 | | 84.55 | 9.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.99 |
| | 1000 Hz | 99.80 | 0.00 | | 84.55 | 17.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.86 |
| | 2000 Hz | 95.50 | 0.00 | | 84.55 | 45.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.02 |
| | 4000 Hz | 84.90 | 0.00 | | 84.55 | 155.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.55 |
| | 8000 Hz | 61.80 | 0.00 | | 84.55 | 556.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -575.78 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 83.40 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.39 |
| | 125 Hz | 111.00 | 0.00 | | 83.40 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.89 |
| | 250 Hz | 106.60 | 0.00 | | 83.40 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.85 |
| | 500 Hz | 103.70 | 0.00 | | 83.40 | 8.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.27 |
| | 1000 Hz | 99.80 | 0.00 | | 83.40 | 15.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.15 |
| | 2000 Hz | 95.60 | 0.00 | | 83.40 | 40.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.09 |
| | 4000 Hz | 86.90 | 0.00 | | 83.40 | 136.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.12 |
| | 8000 Hz | 65.40 | 0.00 | | 83.40 | 487.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -502.28 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 115.30 | 0.00 | | 83.45 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.34 |
| | 125 Hz | 111.00 | 0.00 | | 83.45 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.83 |
| | 250 Hz | 106.60 | 0.00 | | 83.45 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.78 |
| | 500 Hz | 103.70 | 0.00 | | 83.45 | 8.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.18 |
| | 1000 Hz | 99.80 | 0.00 | | 83.45 | 15.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.03 |
| | 2000 Hz | 95.60 | 0.00 | | 83.45 | 40.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.35 |
| | 4000 Hz | 86.90 | 0.00 | | 83.45 | 137.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.90 |
| | 8000 Hz | 65.40 | 0.00 | | 83.45 | 489.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -504.93 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 75.96 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.63 |
| | 125 Hz | 104.80 | 0.00 | | 75.96 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.12 |
| | 250 Hz | 101.20 | 0.00 | | 75.96 | 1.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.40 |
| | 500 Hz | 96.80 | 0.00 | | 75.96 | 3.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.43 |
| | 1000 Hz | 92.70 | 0.00 | | 75.96 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.27 |
| | 2000 Hz | 90.50 | 0.00 | | 75.96 | 17.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.44 |
| | 4000 Hz | 84.90 | 0.00 | | 75.96 | 57.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.05 |
| | 8000 Hz | 70.70 | 0.00 | | 75.96 | 206.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -209.09 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 81.62 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.17 |
| | 125 Hz | 106.90 | 0.00 | | 81.62 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.89 |
| | 250 Hz | 104.10 | 0.00 | | 81.62 | 3.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.94 |
| | 500 Hz | 100.40 | 0.00 | | 81.62 | 6.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.24 |
| | 1000 Hz | 96.10 | 0.00 | | 81.62 | 12.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.06 |
| | 2000 Hz | 90.70 | 0.00 | | 81.62 | 32.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.74 |
| | 4000 Hz | 83.90 | 0.00 | | 81.62 | 111.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.02 |
| | 8000 Hz | 75.80 | 0.00 | | 81.62 | 396.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -399.80 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 80.85 | 0.38 | -3.00 | 0.00 | 0.00 | 0.47 | 0.00 | | 32.50 |
| | 125 Hz | 108.80 | 0.00 | | 80.85 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.68 |
| | 250 Hz | 106.10 | 0.00 | | 80.85 | 3.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |
| | 500 Hz | 102.40 | 0.00 | | 80.85 | 5.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.56 |
| | 1000 Hz | 98.10 | 0.00 | | 80.85 | 11.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.89 |
| | 2000 Hz | 92.80 | 0.00 | | 80.85 | 30.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.07 |
| | 4000 Hz | 85.90 | 0.00 | | 80.85 | 101.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.78 |
| | 8000 Hz | 77.90 | 0.00 | | 80.85 | 363.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -363.14 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 79.54 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.34 |
| | 125 Hz | 106.90 | 0.00 | | 79.54 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.27 |
| | 250 Hz | 104.10 | 0.00 | | 79.54 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 500 Hz | 100.40 | 0.00 | | 79.54 | 5.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.71 |
| | 1000 Hz | 96.10 | 0.00 | | 79.54 | 9.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.79 |
| | 2000 Hz | 90.70 | 0.00 | | 79.54 | 25.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.66 |
| | 4000 Hz | 83.90 | 0.00 | | 79.54 | 87.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -80.20 |
| | 8000 Hz | 75.80 | 0.00 | | 79.54 | 312.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -313.05 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 72.54 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.52 |
| | 125 Hz | 108.80 | 0.00 | | 72.54 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.77 |
| | 250 Hz | 106.10 | 0.00 | | 72.54 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.32 |
| | 500 Hz | 102.40 | 0.00 | | 72.54 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.56 |
| | 1000 Hz | 98.10 | 0.00 | | 72.54 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.20 |
| | 2000 Hz | 92.80 | 0.00 | | 72.54 | 11.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.72 |
| | 4000 Hz | 85.90 | 0.00 | | 72.54 | 39.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.77 |
| | 8000 Hz | 77.90 | 0.00 | | 72.54 | 139.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.19 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 113.10 | 0.00 | | 71.53 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.44 |
| | 125 Hz | 110.70 | 0.00 | | 71.53 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.74 |
| | 250 Hz | 108.00 | 0.00 | | 71.53 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.36 |
| | 500 Hz | 104.50 | 0.00 | | 71.53 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.92 |
| | 1000 Hz | 100.10 | 0.00 | | 71.53 | 3.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.69 |
| | 2000 Hz | 94.80 | 0.00 | | 71.53 | 10.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.00 |
| | 4000 Hz | 87.90 | 0.00 | | 71.53 | 34.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.46 |
| | 8000 Hz | 79.90 | 0.00 | | 71.53 | 124.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.85 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 68.66 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.55 |
| | 125 Hz | 110.90 | 0.00 | | 68.66 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.93 |
| | 250 Hz | 108.10 | 0.00 | | 68.66 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.65 |
| | 500 Hz | 104.40 | 0.00 | | 68.66 | 1.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.27 |
| | 1000 Hz | 100.10 | 0.00 | | 68.66 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.65 |
| | 2000 Hz | 94.80 | 0.00 | | 68.66 | 7.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.76 |
| | 4000 Hz | 88.00 | 0.00 | | 68.66 | 25.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.68 |
| | 8000 Hz | 80.00 | 0.00 | | 68.66 | 89.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.91 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.49 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.47 |
| | 125 Hz | 110.70 | 0.00 | | 72.49 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.72 |
| | 250 Hz | 108.00 | 0.00 | | 72.49 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.27 |
| | 500 Hz | 104.50 | 0.00 | | 72.49 | 2.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.72 |
| | 1000 Hz | 100.10 | 0.00 | | 72.49 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.27 |
| | 2000 Hz | 94.80 | 0.00 | | 72.49 | 11.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.84 |
| | 4000 Hz | 87.90 | 0.00 | | 72.49 | 38.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.50 |
| | 8000 Hz | 79.90 | 0.00 | | 72.49 | 138.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.37 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 67.54 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.68 |
| | 125 Hz | 110.90 | 0.00 | | 67.54 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.08 |
| | 250 Hz | 108.10 | 0.00 | | 67.54 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.86 |
| | 500 Hz | 104.40 | 0.00 | | 67.54 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.57 |
| | 1000 Hz | 100.10 | 0.00 | | 67.54 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.10 |
| | 2000 Hz | 94.80 | 0.00 | | 67.54 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.77 |
| | 4000 Hz | 88.00 | 0.00 | | 67.54 | 22.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.45 |
| | 8000 Hz | 80.00 | 0.00 | | 67.54 | 78.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.03 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 71.14 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.84 |
| | 125 Hz | 110.70 | 0.00 | | 71.14 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.14 |
| | 250 Hz | 108.00 | 0.00 | | 71.14 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.80 |
| | 500 Hz | 104.50 | 0.00 | | 71.14 | 1.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.40 |
| | 1000 Hz | 100.10 | 0.00 | | 71.14 | 3.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.24 |
| | 2000 Hz | 94.80 | 0.00 | | 71.14 | 9.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.84 |
| | 4000 Hz | 87.90 | 0.00 | | 71.14 | 33.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.55 |
| | 8000 Hz | 79.90 | 0.00 | | 71.14 | 118.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -107.03 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt019 | IP Q | 380055.81 | | 5775894.97 | | 71.955 | | 44.18 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|-------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.32 | 10.00 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.06 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 67.06 | 1.22 | 4.54 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.18 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 72.70 | 2.34 | 4.56 | 0.00 | 0.00 | 0.21 | 0.00 | | 18.20 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 77.88 | 4.25 | 4.76 | 0.00 | 0.00 | 0.01 | 0.00 | | -82.90 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAi118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.91 | 0.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 20.09 |
| | 125 Hz | 102.50 | 0.00 | | 81.91 | 1.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.37 |
| | 250 Hz | 99.20 | 0.00 | | 81.91 | 3.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.85 |
| | 500 Hz | 96.00 | 0.00 | | 81.91 | 6.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.55 |
| | 1000 Hz | 92.30 | 0.00 | | 81.91 | 12.85 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -4.23 |
| | 2000 Hz | 89.10 | 0.00 | | 81.91 | 33.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.53 |
| | 4000 Hz | 85.30 | 0.00 | | 81.91 | 115.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -113.51 |

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| WEAi119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.86 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.15 |
| | 125 Hz | 105.50 | 0.00 | | 81.86 | 1.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 20.44 |
| | 250 Hz | 102.20 | 0.00 | | 81.86 | 3.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.93 |
| | 500 Hz | 99.00 | 0.00 | | 81.86 | 6.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 8.64 |
| | 1000 Hz | 95.30 | 0.00 | | 81.86 | 12.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1.09 |
| | 2000 Hz | 92.10 | 0.00 | | 81.86 | 33.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -25.26 |
| | 4000 Hz | 88.30 | 0.00 | | 81.86 | 114.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -109.72 |

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| WEAi120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.39 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.10 |
| | 63 Hz | 116.40 | 0.00 | | 83.39 | 0.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.73 |
| | 125 Hz | 110.70 | 0.00 | | 83.39 | 1.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.82 |
| | 250 Hz | 104.40 | 0.00 | | 83.39 | 4.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.89 |
| | 500 Hz | 101.20 | 0.00 | | 83.39 | 8.03 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 8.01 |
| | 1000 Hz | 99.40 | 0.00 | | 83.39 | 15.24 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1.00 |
| | 2000 Hz | 93.80 | 0.00 | | 83.39 | 40.26 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -31.63 |
| | 4000 Hz | 86.70 | 0.00 | | 83.39 | 136.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -135.00 |
| | 8000 Hz | 78.40 | 0.00 | | 83.39 | 486.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -493.74 |

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| WEAi121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 76.11 | 0.06 | -3.00 | 0.00 | 0.00 | 1.01 | 0.00 | | 46.22 |
| | 63 Hz | 116.40 | 0.00 | | 76.11 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.07 |
| | 125 Hz | 110.70 | 0.00 | | 76.11 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.85 |
| | 250 Hz | 104.40 | 0.00 | | 76.11 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.41 |
| | 500 Hz | 101.20 | 0.00 | | 76.11 | 3.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.61 |
| | 1000 Hz | 99.40 | 0.00 | | 76.11 | 6.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.70 |
| | 2000 Hz | 93.80 | 0.00 | | 76.11 | 17.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.27 |
| | 4000 Hz | 86.70 | 0.00 | | 76.11 | 59.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.46 |
| | 8000 Hz | 78.40 | 0.00 | | 76.11 | 210.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.32 |

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| WEAi122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.18 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 36.33 |
| | 63 Hz | 116.40 | 0.00 | | 82.18 | 0.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.01 |
| | 125 Hz | 110.70 | 0.00 | | 82.18 | 1.49 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.26 |
| | 250 Hz | 104.40 | 0.00 | | 82.18 | 3.78 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.67 |
| | 500 Hz | 101.20 | 0.00 | | 82.18 | 6.98 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 10.27 |
| | 1000 Hz | 99.40 | 0.00 | | 82.18 | 13.25 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.20 |
| | 2000 Hz | 93.80 | 0.00 | | 82.18 | 35.01 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -25.16 |
| | 4000 Hz | 86.70 | 0.00 | | 82.18 | 118.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -115.96 |
| | 8000 Hz | 78.40 | 0.00 | | 82.18 | 423.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -428.94 |

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| WEAi123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.86 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.64 |
| | 63 Hz | 116.40 | 0.00 | | 82.86 | 0.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.29 |
| | 125 Hz | 110.70 | 0.00 | | 82.86 | 1.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.46 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 82.86 | 4.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.68 |
| | 500 Hz | 101.20 | 0.00 | | 82.86 | 7.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.02 |
| | 1000 Hz | 99.40 | 0.00 | | 82.86 | 14.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.44 |
| | 2000 Hz | 93.80 | 0.00 | | 82.86 | 37.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.69 |
| | 4000 Hz | 86.70 | 0.00 | | 82.86 | 128.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -126.33 |
| | 8000 Hz | 78.40 | 0.00 | | 82.86 | 457.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -464.17 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.60 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 37.93 |
| | 63 Hz | 116.40 | 0.00 | | 80.60 | 0.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.66 |
| | 125 Hz | 110.70 | 0.00 | | 80.60 | 1.24 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.09 |
| | 250 Hz | 104.40 | 0.00 | | 80.60 | 3.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 18.87 |
| | 500 Hz | 101.20 | 0.00 | | 80.60 | 5.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.00 |
| | 1000 Hz | 99.40 | 0.00 | | 80.60 | 11.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.98 |
| | 2000 Hz | 93.80 | 0.00 | | 80.60 | 29.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -17.77 |
| | 4000 Hz | 86.70 | 0.00 | | 80.60 | 99.01 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -94.69 |
| | 8000 Hz | 78.40 | 0.00 | | 80.60 | 353.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -357.12 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.25 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 37.28 |
| | 63 Hz | 116.40 | 0.00 | | 81.25 | 0.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.99 |
| | 125 Hz | 110.70 | 0.00 | | 81.25 | 1.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 26.35 |
| | 250 Hz | 104.40 | 0.00 | | 81.25 | 3.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.99 |
| | 500 Hz | 101.20 | 0.00 | | 81.25 | 6.27 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.91 |
| | 1000 Hz | 99.40 | 0.00 | | 81.25 | 11.90 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.49 |
| | 2000 Hz | 93.80 | 0.00 | | 81.25 | 31.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -20.66 |
| | 4000 Hz | 86.70 | 0.00 | | 81.25 | 106.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -102.93 |
| | 8000 Hz | 78.40 | 0.00 | | 81.25 | 380.27 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -384.88 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.73 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.78 |
| | 63 Hz | 116.40 | 0.00 | | 82.73 | 0.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.43 |
| | 125 Hz | 110.70 | 0.00 | | 82.73 | 1.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.61 |
| | 250 Hz | 104.40 | 0.00 | | 82.73 | 4.03 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.87 |
| | 500 Hz | 101.20 | 0.00 | | 82.73 | 7.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.26 |
| | 1000 Hz | 99.40 | 0.00 | | 82.73 | 14.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.78 |
| | 2000 Hz | 93.80 | 0.00 | | 82.73 | 37.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.00 |
| | 4000 Hz | 86.70 | 0.00 | | 82.73 | 126.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -124.30 |
| | 8000 Hz | 78.40 | 0.00 | | 82.73 | 451.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -457.27 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.26 | 0.12 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | | 36.30 |
| | 63 Hz | 116.40 | 0.00 | | 82.26 | 0.44 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | 32.01 |
| | 125 Hz | 110.70 | 0.00 | | 82.26 | 1.50 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | | 25.35 |
| | 250 Hz | 104.40 | 0.00 | | 82.26 | 3.81 | -3.00 | 0.00 | 0.00 | 4.40 | 0.00 | | 16.93 |
| | 500 Hz | 101.20 | 0.00 | | 82.26 | 7.05 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | | 10.90 |
| | 1000 Hz | 99.40 | 0.00 | | 82.26 | 13.37 | -3.00 | 0.00 | 0.00 | 3.05 | 0.00 | | 3.72 |
| | 2000 Hz | 93.80 | 0.00 | | 82.26 | 35.34 | -3.00 | 0.00 | 0.00 | 0.15 | 0.00 | | -20.94 |
| | 4000 Hz | 86.70 | 0.00 | | 82.26 | 119.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.40 |
| | 8000 Hz | 78.40 | 0.00 | | 82.26 | 427.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -428.27 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 81.44 | 0.11 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | 33.80 |
| | 63 Hz | 113.10 | 0.00 | | 81.44 | 0.40 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | 29.51 |
| | 125 Hz | 107.40 | 0.00 | | 81.44 | 1.37 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | | 22.87 |
| | 250 Hz | 101.10 | 0.00 | | 81.44 | 3.47 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | 14.51 |
| | 500 Hz | 97.90 | 0.00 | | 81.44 | 6.41 | -3.00 | 0.00 | 0.00 | 4.59 | 0.00 | | 8.46 |
| | 1000 Hz | 96.10 | 0.00 | | 81.44 | 12.16 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | | 1.09 |
| | 2000 Hz | 90.50 | 0.00 | | 81.44 | 32.14 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | -24.09 |
| | 4000 Hz | 83.40 | 0.00 | | 81.44 | 109.01 | -3.00 | 0.00 | 0.00 | 3.09 | 0.00 | | -107.13 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | Lft |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 75.10 | 0.00 | | 81.44 | 388.79 | -3.00 | 0.00 | 0.00 | 0.29 | 0.00 | | -392.42 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.70 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.80 |
| | 63 Hz | 116.40 | 0.00 | | 82.70 | 0.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.46 |
| | 125 Hz | 110.70 | 0.00 | | 82.70 | 1.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.64 |
| | 250 Hz | 104.40 | 0.00 | | 82.70 | 4.01 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.91 |
| | 500 Hz | 101.20 | 0.00 | | 82.70 | 7.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.31 |
| | 1000 Hz | 99.40 | 0.00 | | 82.70 | 14.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.85 |
| | 2000 Hz | 93.80 | 0.00 | | 82.70 | 37.19 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -27.87 |
| | 4000 Hz | 86.70 | 0.00 | | 82.70 | 126.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -123.90 |
| | 8000 Hz | 78.40 | 0.00 | | 82.70 | 449.85 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -455.93 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.54 | 0.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 34.95 |
| | 63 Hz | 116.40 | 0.00 | | 83.54 | 0.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.57 |
| | 125 Hz | 110.70 | 0.00 | | 83.54 | 1.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.64 |
| | 250 Hz | 104.40 | 0.00 | | 83.54 | 4.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.66 |
| | 500 Hz | 101.20 | 0.00 | | 83.54 | 8.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.72 |
| | 1000 Hz | 99.40 | 0.00 | | 83.54 | 15.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1.42 |
| | 2000 Hz | 93.80 | 0.00 | | 83.54 | 40.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -32.48 |
| | 4000 Hz | 86.70 | 0.00 | | 83.54 | 138.92 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -137.53 |
| | 8000 Hz | 78.40 | 0.00 | | 83.54 | 495.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -502.38 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.55 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.42 |
| | 125 Hz | 104.80 | 0.00 | | 86.55 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.79 |
| | 250 Hz | 101.50 | 0.00 | | 86.55 | 6.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.70 |
| | 500 Hz | 97.10 | 0.00 | | 86.55 | 11.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.00 |
| | 1000 Hz | 91.00 | 0.00 | | 86.55 | 21.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.46 |
| | 2000 Hz | 86.30 | 0.00 | | 86.55 | 57.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.16 |
| | 4000 Hz | 80.30 | 0.00 | | 86.55 | 196.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.62 |
| | 8000 Hz | 74.00 | 0.00 | | 86.55 | 700.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -709.94 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.02 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.78 |
| | 63 Hz | 113.00 | 0.00 | | 87.02 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.21 |
| | 125 Hz | 108.60 | 0.00 | | 87.02 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.98 |
| | 250 Hz | 105.70 | 0.00 | | 87.02 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.08 |
| | 500 Hz | 101.70 | 0.00 | | 87.02 | 12.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.48 |
| | 1000 Hz | 95.50 | 0.00 | | 87.02 | 23.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.66 |
| | 2000 Hz | 89.70 | 0.00 | | 87.02 | 61.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.47 |
| | 4000 Hz | 82.20 | 0.00 | | 87.02 | 207.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -209.17 |
| | 8000 Hz | 74.00 | 0.00 | | 87.02 | 739.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -749.54 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.14 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.66 |
| | 63 Hz | 113.00 | 0.00 | | 87.14 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.08 |
| | 125 Hz | 108.60 | 0.00 | | 87.14 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.83 |
| | 250 Hz | 105.70 | 0.00 | | 87.14 | 6.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.88 |
| | 500 Hz | 101.70 | 0.00 | | 87.14 | 12.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.21 |
| | 1000 Hz | 95.50 | 0.00 | | 87.14 | 23.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.08 |
| | 2000 Hz | 89.70 | 0.00 | | 87.14 | 61.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.39 |
| | 4000 Hz | 82.20 | 0.00 | | 87.14 | 210.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.04 |
| | 8000 Hz | 74.00 | 0.00 | | 87.14 | 749.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -759.49 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 84.71 | 0.16 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 29.88 |
| | 63 Hz | 111.30 | 0.00 | | 84.71 | 0.59 | -3.00 | 0.00 | 0.00 | 0.58 | 0.00 | | 28.43 |
| | 125 Hz | 107.40 | 0.00 | | 84.71 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.70 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 102.80 | 0.00 | | 84.71 | 5.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.04 |
| | 500 Hz | 99.70 | 0.00 | | 84.71 | 9.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.65 |
| | 1000 Hz | 96.60 | 0.00 | | 84.71 | 17.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.83 |
| | 2000 Hz | 91.70 | 0.00 | | 84.71 | 46.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.85 |
| | 4000 Hz | 85.00 | 0.00 | | 84.71 | 158.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -155.55 |
| | 8000 Hz | 87.30 | 0.00 | | 84.71 | 566.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -560.93 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.89 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.25 |
| | 125 Hz | 108.60 | 0.00 | | 86.89 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.15 |
| | 250 Hz | 103.40 | 0.00 | | 86.89 | 6.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.01 |
| | 500 Hz | 99.10 | 0.00 | | 86.89 | 12.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.20 |
| | 1000 Hz | 98.00 | 0.00 | | 86.89 | 22.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.68 |
| | 2000 Hz | 89.80 | 0.00 | | 86.89 | 60.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.32 |
| | 4000 Hz | 85.30 | 0.00 | | 86.89 | 204.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.83 |
| | 8000 Hz | 80.10 | 0.00 | | 86.89 | 728.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -732.26 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.72 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.68 |
| | 63 Hz | 112.30 | 0.00 | | 86.72 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.83 |
| | 125 Hz | 108.10 | 0.00 | | 86.72 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.86 |
| | 250 Hz | 103.50 | 0.00 | | 86.72 | 6.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.40 |
| | 500 Hz | 100.70 | 0.00 | | 86.72 | 11.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.19 |
| | 1000 Hz | 98.30 | 0.00 | | 86.72 | 22.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.78 |
| | 2000 Hz | 93.80 | 0.00 | | 86.72 | 59.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.01 |
| | 4000 Hz | 86.20 | 0.00 | | 86.72 | 200.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.88 |
| | 8000 Hz | 78.20 | 0.00 | | 86.72 | 714.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -720.14 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.29 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.12 |
| | 63 Hz | 111.70 | 0.00 | | 86.29 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.70 |
| | 125 Hz | 106.40 | 0.00 | | 86.29 | 2.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.72 |
| | 250 Hz | 102.10 | 0.00 | | 86.29 | 6.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.74 |
| | 500 Hz | 99.10 | 0.00 | | 86.29 | 11.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.59 |
| | 1000 Hz | 96.90 | 0.00 | | 86.29 | 21.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.67 |
| | 2000 Hz | 90.50 | 0.00 | | 86.29 | 56.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.01 |
| | 4000 Hz | 81.00 | 0.00 | | 86.29 | 190.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -192.94 |
| | 8000 Hz | 76.50 | 0.00 | | 86.29 | 679.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -686.76 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.49 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.80 |
| | 63 Hz | 110.40 | 0.00 | | 87.49 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.10 |
| | 125 Hz | 107.20 | 0.00 | | 87.49 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.97 |
| | 250 Hz | 101.70 | 0.00 | | 87.49 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.25 |
| | 500 Hz | 98.20 | 0.00 | | 87.49 | 12.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.85 |
| | 1000 Hz | 95.60 | 0.00 | | 87.49 | 24.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.29 |
| | 2000 Hz | 93.70 | 0.00 | | 87.49 | 64.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.28 |
| | 4000 Hz | 90.70 | 0.00 | | 87.49 | 218.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.49 |
| | 8000 Hz | 79.50 | 0.00 | | 87.49 | 780.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -785.01 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.57 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.08 |
| | 63 Hz | 111.60 | 0.00 | | 84.57 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.45 |
| | 125 Hz | 108.60 | 0.00 | | 84.57 | 1.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.07 |
| | 250 Hz | 106.50 | 0.00 | | 84.57 | 4.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.96 |
| | 500 Hz | 102.90 | 0.00 | | 84.57 | 9.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.14 |
| | 1000 Hz | 99.60 | 0.00 | | 84.57 | 17.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.59 |
| | 2000 Hz | 95.90 | 0.00 | | 84.57 | 46.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.75 |
| | 4000 Hz | 90.10 | 0.00 | | 84.57 | 156.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.74 |
| | 8000 Hz | 76.30 | 0.00 | | 84.57 | 557.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -562.65 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.69 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.96 |
| | 63 Hz | 111.60 | 0.00 | | 84.69 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.33 |
| | 125 Hz | 108.60 | 0.00 | | 84.69 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.93 |
| | 250 Hz | 106.50 | 0.00 | | 84.69 | 5.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.77 |
| | 500 Hz | 102.90 | 0.00 | | 84.69 | 9.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.90 |
| | 1000 Hz | 99.60 | 0.00 | | 84.69 | 17.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.23 |
| | 2000 Hz | 95.90 | 0.00 | | 84.69 | 46.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.51 |
| | 4000 Hz | 90.10 | 0.00 | | 84.69 | 158.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.02 |
| | 8000 Hz | 76.30 | 0.00 | | 84.69 | 565.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -570.48 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.35 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.32 |
| | 63 Hz | 111.60 | 0.00 | | 83.35 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.74 |
| | 125 Hz | 108.60 | 0.00 | | 83.35 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.54 |
| | 250 Hz | 106.50 | 0.00 | | 83.35 | 4.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.82 |
| | 500 Hz | 102.90 | 0.00 | | 83.35 | 7.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.56 |
| | 1000 Hz | 99.60 | 0.00 | | 83.35 | 15.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.08 |
| | 2000 Hz | 95.90 | 0.00 | | 83.35 | 40.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.52 |
| | 4000 Hz | 90.10 | 0.00 | | 83.35 | 135.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.14 |
| | 8000 Hz | 76.30 | 0.00 | | 83.35 | 484.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -488.72 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.08 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.59 |
| | 63 Hz | 111.60 | 0.00 | | 83.08 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.03 |
| | 125 Hz | 108.60 | 0.00 | | 83.08 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.86 |
| | 250 Hz | 106.50 | 0.00 | | 83.08 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.22 |
| | 500 Hz | 102.90 | 0.00 | | 83.08 | 7.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.07 |
| | 1000 Hz | 99.60 | 0.00 | | 83.08 | 14.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.81 |
| | 2000 Hz | 95.90 | 0.00 | | 83.08 | 38.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.03 |
| | 4000 Hz | 90.10 | 0.00 | | 83.08 | 131.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.73 |
| | 8000 Hz | 76.30 | 0.00 | | 83.08 | 469.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -473.69 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.31 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.35 |
| | 63 Hz | 111.60 | 0.00 | | 83.31 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.78 |
| | 125 Hz | 108.60 | 0.00 | | 83.31 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.59 |
| | 250 Hz | 106.50 | 0.00 | | 83.31 | 4.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.88 |
| | 500 Hz | 102.90 | 0.00 | | 83.31 | 7.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.63 |
| | 1000 Hz | 99.60 | 0.00 | | 83.31 | 15.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.19 |
| | 2000 Hz | 95.90 | 0.00 | | 83.31 | 39.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.31 |
| | 4000 Hz | 90.10 | 0.00 | | 83.31 | 135.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.51 |
| | 8000 Hz | 76.30 | 0.00 | | 83.31 | 482.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -486.56 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.87 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.82 |
| | 63 Hz | 111.60 | 0.00 | | 81.87 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 125 Hz | 108.60 | 0.00 | | 81.87 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.29 |
| | 250 Hz | 106.50 | 0.00 | | 81.87 | 3.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.98 |
| | 500 Hz | 102.90 | 0.00 | | 81.87 | 6.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.29 |
| | 1000 Hz | 99.60 | 0.00 | | 81.87 | 12.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.95 |
| | 2000 Hz | 95.90 | 0.00 | | 81.87 | 33.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.75 |
| | 4000 Hz | 90.10 | 0.00 | | 81.87 | 114.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -103.33 |
| | 8000 Hz | 76.30 | 0.00 | | 81.87 | 408.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -411.18 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.63 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.06 |
| | 63 Hz | 111.60 | 0.00 | | 81.63 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.55 |
| | 125 Hz | 108.60 | 0.00 | | 81.63 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.57 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.50 | 0.00 | | 81.63 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.32 |
| | 500 Hz | 102.90 | 0.00 | | 81.63 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.71 |
| | 1000 Hz | 99.60 | 0.00 | | 81.63 | 12.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.52 |
| | 2000 Hz | 95.90 | 0.00 | | 81.63 | 32.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.61 |
| | 4000 Hz | 90.10 | 0.00 | | 81.63 | 111.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.03 |
| | 8000 Hz | 76.30 | 0.00 | | 81.63 | 397.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -400.02 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.28 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.40 |
| | 63 Hz | 111.60 | 0.00 | | 82.28 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.87 |
| | 125 Hz | 108.60 | 0.00 | | 82.28 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.81 |
| | 250 Hz | 106.50 | 0.00 | | 82.28 | 3.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.39 |
| | 500 Hz | 102.90 | 0.00 | | 82.28 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.55 |
| | 1000 Hz | 99.60 | 0.00 | | 82.28 | 13.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.91 |
| | 2000 Hz | 95.90 | 0.00 | | 82.28 | 35.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.81 |
| | 4000 Hz | 90.10 | 0.00 | | 82.28 | 120.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.33 |
| | 8000 Hz | 76.30 | 0.00 | | 82.28 | 428.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -431.51 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 85.45 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.19 |
| | 125 Hz | 5.20 | 0.00 | | 85.45 | 2.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.42 |
| | 250 Hz | 1.90 | 0.00 | | 85.45 | 5.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.06 |
| | 500 Hz | -1.30 | 0.00 | | 85.45 | 10.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.93 |
| | 1000 Hz | -5.00 | 0.00 | | 85.45 | 19.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.76 |
| | 2000 Hz | -8.20 | 0.00 | | 85.45 | 51.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.68 |
| | 4000 Hz | -12.00 | 0.00 | | 85.45 | 173.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -267.51 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 74.36 | 0.18 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 32.49 |
| | 125 Hz | 106.50 | 0.00 | | 74.36 | 0.60 | -3.00 | 0.00 | 0.00 | 3.49 | 0.00 | | 31.05 |
| | 250 Hz | 103.20 | 0.00 | | 74.36 | 1.54 | -3.00 | 0.00 | 0.00 | 1.66 | 0.00 | | 28.65 |
| | 500 Hz | 100.00 | 0.00 | | 74.36 | 2.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.81 |
| | 1000 Hz | 96.30 | 0.00 | | 74.36 | 5.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.56 |
| | 2000 Hz | 93.10 | 0.00 | | 74.36 | 14.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.52 |
| | 4000 Hz | 89.30 | 0.00 | | 74.36 | 48.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.30 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.00 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.91 |
| | 63 Hz | 110.90 | 0.00 | | 82.00 | 0.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 26.69 |
| | 125 Hz | 108.00 | 0.00 | | 82.00 | 1.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.77 |
| | 250 Hz | 103.80 | 0.00 | | 82.00 | 3.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.32 |
| | 500 Hz | 101.90 | 0.00 | | 82.00 | 6.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.28 |
| | 1000 Hz | 98.90 | 0.00 | | 82.00 | 12.98 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.14 |
| | 2000 Hz | 94.60 | 0.00 | | 82.00 | 34.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -23.48 |
| | 4000 Hz | 88.20 | 0.00 | | 82.00 | 116.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -111.92 |
| | 8000 Hz | 78.80 | 0.00 | | 82.00 | 414.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -419.94 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.96 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.97 |
| | 63 Hz | 110.90 | 0.00 | | 80.96 | 0.38 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.78 |
| | 125 Hz | 108.00 | 0.00 | | 80.96 | 1.29 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.97 |
| | 250 Hz | 103.80 | 0.00 | | 80.96 | 3.29 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.78 |
| | 500 Hz | 101.90 | 0.00 | | 80.96 | 6.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.10 |
| | 1000 Hz | 98.90 | 0.00 | | 80.96 | 11.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.65 |
| | 2000 Hz | 94.60 | 0.00 | | 80.96 | 30.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -18.57 |
| | 4000 Hz | 88.20 | 0.00 | | 80.96 | 103.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -97.73 |
| | 8000 Hz | 78.80 | 0.00 | | 80.96 | 368.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -372.01 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.60 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.32 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 110.90 | 0.00 | | 81.60 | 0.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.11 |
| | 125 Hz | 108.00 | 0.00 | | 81.60 | 1.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.23 |
| | 250 Hz | 103.80 | 0.00 | | 81.60 | 3.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.89 |
| | 500 Hz | 101.90 | 0.00 | | 81.60 | 6.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.99 |
| | 1000 Hz | 98.90 | 0.00 | | 81.60 | 12.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 3.13 |
| | 2000 Hz | 94.60 | 0.00 | | 81.60 | 32.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -21.53 |
| | 4000 Hz | 88.20 | 0.00 | | 81.60 | 111.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -106.27 |
| | 8000 Hz | 78.80 | 0.00 | | 81.60 | 396.25 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -400.82 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.03 | 0.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.91 |
| | 63 Hz | 110.90 | 0.00 | | 80.03 | 0.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.76 |
| | 125 Hz | 108.00 | 0.00 | | 80.03 | 1.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.04 |
| | 250 Hz | 103.80 | 0.00 | | 80.03 | 2.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 19.05 |
| | 500 Hz | 101.90 | 0.00 | | 80.03 | 5.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.65 |
| | 1000 Hz | 98.90 | 0.00 | | 80.03 | 10.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.76 |
| | 2000 Hz | 94.60 | 0.00 | | 80.03 | 27.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -14.53 |
| | 4000 Hz | 88.20 | 0.00 | | 80.03 | 92.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -86.29 |
| | 8000 Hz | 78.80 | 0.00 | | 80.03 | 330.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -333.60 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 73.31 | 0.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 51.85 |
| | 63 Hz | 122.10 | 0.00 | | 73.31 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 51.63 |
| | 125 Hz | 115.00 | 0.00 | | 73.31 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.15 |
| | 250 Hz | 108.00 | 0.00 | | 73.31 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.33 |
| | 500 Hz | 103.90 | 0.00 | | 73.31 | 2.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.07 |
| | 1000 Hz | 101.60 | 0.00 | | 73.31 | 4.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.52 |
| | 2000 Hz | 96.70 | 0.00 | | 73.31 | 12.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.78 |
| | 4000 Hz | 88.60 | 0.00 | | 73.31 | 42.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.48 |
| | 8000 Hz | 80.90 | 0.00 | | 73.31 | 152.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.95 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 75.09 | 0.19 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 36.82 |
| | 125 Hz | 109.80 | 0.00 | | 75.09 | 0.66 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 35.63 |
| | 250 Hz | 107.40 | 0.00 | | 75.09 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.64 |
| | 500 Hz | 101.60 | 0.00 | | 75.09 | 3.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.43 |
| | 1000 Hz | 94.50 | 0.00 | | 75.09 | 5.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.56 |
| | 2000 Hz | 88.00 | 0.00 | | 75.09 | 15.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.44 |
| | 4000 Hz | 85.30 | 0.00 | | 75.09 | 52.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.26 |
| | 8000 Hz | 79.90 | 0.00 | | 75.09 | 187.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -179.34 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 75.99 | 0.22 | -3.00 | 0.00 | 0.00 | 2.30 | 0.00 | | 38.10 |
| | 125 Hz | 110.80 | 0.00 | | 75.99 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.08 |
| | 250 Hz | 105.10 | 0.00 | | 75.99 | 1.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.26 |
| | 500 Hz | 102.60 | 0.00 | | 75.99 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.19 |
| | 1000 Hz | 99.60 | 0.00 | | 75.99 | 6.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.12 |
| | 2000 Hz | 93.10 | 0.00 | | 75.99 | 17.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.95 |
| | 4000 Hz | 80.70 | 0.00 | | 75.99 | 58.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.49 |
| | 8000 Hz | 77.00 | 0.00 | | 75.99 | 207.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.59 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 76.91 | 0.24 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 35.53 |
| | 125 Hz | 110.80 | 0.00 | | 76.91 | 0.81 | -3.00 | 0.00 | 0.00 | 2.88 | 0.00 | | 33.20 |
| | 250 Hz | 105.10 | 0.00 | | 76.91 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.13 |
| | 500 Hz | 102.60 | 0.00 | | 76.91 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.88 |
| | 1000 Hz | 99.60 | 0.00 | | 76.91 | 7.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.46 |
| | 2000 Hz | 93.10 | 0.00 | | 76.91 | 19.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.10 |
| | 4000 Hz | 80.70 | 0.00 | | 76.91 | 64.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.95 |
| | 8000 Hz | 77.00 | 0.00 | | 76.91 | 230.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -227.82 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.71 | 0.26 | -3.00 | 0.00 | 0.00 | 4.47 | 0.00 | 34.16 |
| | 125 Hz | 110.80 | 0.00 | | 77.71 | 0.89 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | 31.05 |
| | 250 Hz | 105.10 | 0.00 | | 77.71 | 2.26 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | 24.69 |
| | 500 Hz | 102.60 | 0.00 | | 77.71 | 4.17 | -3.00 | 0.00 | 0.00 | 1.52 | 0.00 | 22.20 |
| | 1000 Hz | 99.60 | 0.00 | | 77.71 | 7.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.98 |
| | 2000 Hz | 93.10 | 0.00 | | 77.71 | 20.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.53 |
| | 4000 Hz | 80.70 | 0.00 | | 77.71 | 70.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.96 |
| | 8000 Hz | 77.00 | 0.00 | | 77.71 | 253.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -250.76 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 73.36 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.88 |
| | 125 Hz | 104.80 | 0.00 | | 73.36 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.91 |
| | 250 Hz | 99.40 | 0.00 | | 73.36 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.68 |
| | 500 Hz | 95.00 | 0.00 | | 73.36 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.12 |
| | 1000 Hz | 93.20 | 0.00 | | 73.36 | 4.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.05 |
| | 2000 Hz | 89.10 | 0.00 | | 73.36 | 12.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.07 |
| | 4000 Hz | 83.90 | 0.00 | | 73.36 | 42.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.45 |
| | 8000 Hz | 82.20 | 0.00 | | 73.36 | 153.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -141.49 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.90 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.55 |
| | 125 Hz | 111.00 | 0.00 | | 87.90 | 2.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.23 |
| | 250 Hz | 106.60 | 0.00 | | 87.90 | 7.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.40 |
| | 500 Hz | 103.70 | 0.00 | | 87.90 | 13.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.32 |
| | 1000 Hz | 99.80 | 0.00 | | 87.90 | 25.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.69 |
| | 2000 Hz | 95.60 | 0.00 | | 87.90 | 67.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.92 |
| | 4000 Hz | 86.90 | 0.00 | | 87.90 | 229.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -227.30 |
| | 8000 Hz | 65.40 | 0.00 | | 87.90 | 817.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -837.35 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.27 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.24 |
| | 125 Hz | 111.00 | 0.00 | | 87.27 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.05 |
| | 250 Hz | 106.60 | 0.00 | | 87.27 | 6.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.54 |
| | 500 Hz | 103.70 | 0.00 | | 87.27 | 12.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.88 |
| | 1000 Hz | 99.80 | 0.00 | | 87.27 | 23.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -8.28 |
| | 2000 Hz | 95.60 | 0.00 | | 87.27 | 62.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -51.59 |
| | 4000 Hz | 86.90 | 0.00 | | 87.27 | 213.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -210.74 |
| | 8000 Hz | 65.40 | 0.00 | | 87.27 | 761.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -779.90 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.99 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.63 |
| | 125 Hz | 111.00 | 0.00 | | 85.99 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.70 |
| | 250 Hz | 106.60 | 0.00 | | 85.99 | 5.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.75 |
| | 500 Hz | 103.70 | 0.00 | | 85.99 | 10.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 |
| | 1000 Hz | 99.80 | 0.00 | | 85.99 | 20.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.73 |
| | 2000 Hz | 95.60 | 0.00 | | 85.99 | 54.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.68 |
| | 4000 Hz | 86.90 | 0.00 | | 85.99 | 184.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -180.18 |
| | 8000 Hz | 65.40 | 0.00 | | 85.99 | 656.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -674.19 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.86 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.37 |
| | 125 Hz | 110.20 | 0.00 | | 85.86 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.07 |
| | 250 Hz | 105.30 | 0.00 | | 85.86 | 5.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.67 |
| | 500 Hz | 102.70 | 0.00 | | 85.86 | 10.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.18 |
| | 1000 Hz | 99.80 | 0.00 | | 85.86 | 20.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.29 |
| | 2000 Hz | 95.50 | 0.00 | | 85.86 | 53.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -40.82 |
| | 4000 Hz | 84.90 | 0.00 | | 85.86 | 181.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -179.25 |
| | 8000 Hz | 61.80 | 0.00 | | 85.86 | 646.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -667.68 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 85.87 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.36 |
| | 125 Hz | 110.20 | 0.00 | | 85.87 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.06 |
| | 250 Hz | 105.30 | 0.00 | | 85.87 | 5.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.65 |
| | 500 Hz | 102.70 | 0.00 | | 85.87 | 10.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.16 |
| | 1000 Hz | 99.80 | 0.00 | | 85.87 | 20.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.32 |
| | 2000 Hz | 95.50 | 0.00 | | 85.87 | 53.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -40.89 |
| | 4000 Hz | 84.90 | 0.00 | | 85.87 | 181.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -179.49 |
| | 8000 Hz | 61.80 | 0.00 | | 85.87 | 647.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -668.49 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.91 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.79 |
| | 125 Hz | 111.00 | 0.00 | | 84.91 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.05 |
| | 250 Hz | 106.60 | 0.00 | | 84.91 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.51 |
| | 500 Hz | 103.70 | 0.00 | | 84.91 | 9.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.23 |
| | 1000 Hz | 99.80 | 0.00 | | 84.91 | 18.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.26 |
| | 2000 Hz | 95.60 | 0.00 | | 84.91 | 47.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.26 |
| | 4000 Hz | 86.90 | 0.00 | | 84.91 | 162.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -157.61 |
| | 8000 Hz | 65.40 | 0.00 | | 84.91 | 579.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -596.46 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 84.92 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.78 |
| | 125 Hz | 111.00 | 0.00 | | 84.92 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.04 |
| | 250 Hz | 106.60 | 0.00 | | 84.92 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.50 |
| | 500 Hz | 103.70 | 0.00 | | 84.92 | 9.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.21 |
| | 1000 Hz | 99.80 | 0.00 | | 84.92 | 18.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.28 |
| | 2000 Hz | 95.60 | 0.00 | | 84.92 | 47.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.31 |
| | 4000 Hz | 86.90 | 0.00 | | 84.92 | 162.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -157.76 |
| | 8000 Hz | 65.40 | 0.00 | | 84.92 | 580.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -596.96 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 73.25 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.39 |
| | 125 Hz | 104.80 | 0.00 | | 73.25 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.02 |
| | 250 Hz | 101.20 | 0.00 | | 73.25 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.60 |
| | 500 Hz | 96.80 | 0.00 | | 73.25 | 2.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.05 |
| | 1000 Hz | 92.70 | 0.00 | | 73.25 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.71 |
| | 2000 Hz | 90.50 | 0.00 | | 73.25 | 12.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.72 |
| | 4000 Hz | 84.90 | 0.00 | | 73.25 | 42.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.82 |
| | 8000 Hz | 70.70 | 0.00 | | 73.25 | 151.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -151.04 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 79.43 | 0.32 | -3.00 | 0.00 | 0.00 | 0.42 | 0.00 | 32.03 |
| | 125 Hz | 106.90 | 0.00 | | 79.43 | 1.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.38 |
| | 250 Hz | 104.10 | 0.00 | | 79.43 | 2.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.92 |
| | 500 Hz | 100.40 | 0.00 | | 79.43 | 5.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.88 |
| | 1000 Hz | 96.10 | 0.00 | | 79.43 | 9.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.01 |
| | 2000 Hz | 90.70 | 0.00 | | 79.43 | 25.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.24 |
| | 4000 Hz | 83.90 | 0.00 | | 79.43 | 86.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -79.05 |
| | 8000 Hz | 75.80 | 0.00 | | 79.43 | 308.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -309.20 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 78.61 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.30 |
| | 125 Hz | 108.80 | 0.00 | | 78.61 | 0.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.20 |
| | 250 Hz | 106.10 | 0.00 | | 78.61 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.98 |
| | 500 Hz | 102.40 | 0.00 | | 78.61 | 4.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.16 |
| | 1000 Hz | 98.10 | 0.00 | | 78.61 | 8.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.70 |
| | 2000 Hz | 92.80 | 0.00 | | 78.61 | 23.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.03 |
| | 4000 Hz | 85.90 | 0.00 | | 78.61 | 78.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -68.44 |
| | 8000 Hz | 77.90 | 0.00 | | 78.61 | 280.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -278.52 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 76.70 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.26 |
| | 125 Hz | 106.90 | 0.00 | | 76.70 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.41 |
| | 250 Hz | 104.10 | 0.00 | | 76.70 | 2.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.39 |
| | 500 Hz | 100.40 | 0.00 | | 76.70 | 3.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.98 |
| | 1000 Hz | 96.10 | 0.00 | | 76.70 | 7.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.35 |
| | 2000 Hz | 90.70 | 0.00 | | 76.70 | 18.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.63 |
| | 4000 Hz | 83.90 | 0.00 | | 76.70 | 63.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.99 |
| | 8000 Hz | 75.80 | 0.00 | | 76.70 | 225.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -223.26 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 68.04 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.07 |
| | 125 Hz | 108.80 | 0.00 | | 68.04 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.47 |
| | 250 Hz | 106.10 | 0.00 | | 68.04 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.32 |
| | 500 Hz | 102.40 | 0.00 | | 68.04 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.99 |
| | 1000 Hz | 98.10 | 0.00 | | 68.04 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.46 |
| | 2000 Hz | 92.80 | 0.00 | | 68.04 | 6.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.89 |
| | 4000 Hz | 85.90 | 0.00 | | 68.04 | 23.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.45 |
| | 8000 Hz | 77.90 | 0.00 | | 68.04 | 83.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -70.27 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 70.49 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.50 |
| | 125 Hz | 110.70 | 0.00 | | 70.49 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.82 |
| | 250 Hz | 108.00 | 0.00 | | 70.49 | 0.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.53 |
| | 500 Hz | 104.50 | 0.00 | | 70.49 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 |
| | 1000 Hz | 100.10 | 0.00 | | 70.49 | 3.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.16 |
| | 2000 Hz | 94.80 | 0.00 | | 70.49 | 9.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.20 |
| | 4000 Hz | 87.90 | 0.00 | | 70.49 | 30.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.50 |
| | 8000 Hz | 79.90 | 0.00 | | 70.49 | 110.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -97.83 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.16 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.02 |
| | 125 Hz | 110.90 | 0.00 | | 71.16 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.33 |
| | 250 Hz | 108.10 | 0.00 | | 71.16 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.88 |
| | 500 Hz | 104.40 | 0.00 | | 71.16 | 1.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.28 |
| | 1000 Hz | 100.10 | 0.00 | | 71.16 | 3.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.22 |
| | 2000 Hz | 94.80 | 0.00 | | 71.16 | 9.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.80 |
| | 4000 Hz | 88.00 | 0.00 | | 71.16 | 33.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.53 |
| | 8000 Hz | 80.00 | 0.00 | | 71.16 | 119.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -107.18 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.85 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.08 |
| | 125 Hz | 110.70 | 0.00 | | 73.85 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.28 |
| | 250 Hz | 108.00 | 0.00 | | 73.85 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.70 |
| | 500 Hz | 104.50 | 0.00 | | 73.85 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.97 |
| | 1000 Hz | 100.10 | 0.00 | | 73.85 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.17 |
| | 2000 Hz | 94.80 | 0.00 | | 73.85 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.52 |
| | 4000 Hz | 87.90 | 0.00 | | 73.85 | 45.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.47 |
| | 8000 Hz | 79.90 | 0.00 | | 73.85 | 162.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -153.30 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.02 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.13 |
| | 125 Hz | 110.90 | 0.00 | | 73.02 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.36 |
| | 250 Hz | 108.10 | 0.00 | | 73.02 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.76 |
| | 500 Hz | 104.40 | 0.00 | | 73.02 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.95 |
| | 1000 Hz | 100.10 | 0.00 | | 73.02 | 4.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.46 |
| | 2000 Hz | 94.80 | 0.00 | | 73.02 | 12.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.58 |
| | 4000 Hz | 88.00 | 0.00 | | 73.02 | 41.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.38 |
| | 8000 Hz | 80.00 | 0.00 | | 73.02 | 147.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -137.55 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | | /dB |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.57 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 40.33 |
| | 125 Hz | 110.70 | 0.00 | | 75.57 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 37.44 |
| | 250 Hz | 108.00 | 0.00 | | 75.57 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 33.67 |
| | 500 Hz | 104.50 | 0.00 | | 75.57 | 3.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 28.67 |
| | 1000 Hz | 100.10 | 0.00 | | 75.57 | 6.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 21.34 |
| | 2000 Hz | 94.80 | 0.00 | | 75.57 | 16.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 5.88 |
| | 4000 Hz | 87.90 | 0.00 | | 75.57 | 55.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -40.12 |
| | 8000 Hz | 79.90 | 0.00 | | 75.57 | 197.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -190.45 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPkt020 | IP R | 380158.22 | | 5775903.94 | | 72.281 | | 44.08 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.43 | 10.13 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | | | -0.30 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 65.74 | 1.05 | 4.49 | 0.00 | 0.00 | 0.00 | 0.00 | | | 26.72 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 72.88 | 2.39 | 4.61 | 0.00 | 0.00 | 0.17 | 0.00 | | | 17.97 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 77.48 | 4.06 | 4.76 | 0.00 | 0.00 | 0.01 | 0.00 | | | -82.30 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.77 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 20.24 |
| | 125 Hz | 102.50 | 0.00 | | 81.77 | 1.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 17.54 |
| | 250 Hz | 99.20 | 0.00 | | 81.77 | 3.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 12.05 |
| | 500 Hz | 96.00 | 0.00 | | 81.77 | 6.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 5.79 |
| | 1000 Hz | 92.30 | 0.00 | | 81.77 | 12.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -3.89 |
| | 2000 Hz | 89.10 | 0.00 | | 81.77 | 33.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -27.85 |
| | 4000 Hz | 85.30 | 0.00 | | 81.77 | 113.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -111.54 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.75 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 23.26 |
| | 125 Hz | 105.50 | 0.00 | | 81.75 | 1.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 20.56 |
| | 250 Hz | 102.20 | 0.00 | | 81.75 | 3.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 15.08 |
| | 500 Hz | 99.00 | 0.00 | | 81.75 | 6.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 8.84 |
| | 1000 Hz | 95.30 | 0.00 | | 81.75 | 12.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -0.83 |
| | 2000 Hz | 92.10 | 0.00 | | 81.75 | 33.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -24.73 |
| | 4000 Hz | 88.30 | 0.00 | | 81.75 | 112.97 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -108.19 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.31 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 35.19 |
| | 63 Hz | 116.40 | 0.00 | | 83.31 | 0.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 30.82 |
| | 125 Hz | 110.70 | 0.00 | | 83.31 | 1.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 23.92 |
| | 250 Hz | 104.40 | 0.00 | | 83.31 | 4.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 15.01 |
| | 500 Hz | 101.20 | 0.00 | | 83.31 | 7.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | 8.16 |
| | 1000 Hz | 99.40 | 0.00 | | 83.31 | 15.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -0.77 |
| | 2000 Hz | 93.80 | 0.00 | | 83.31 | 39.88 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -31.16 |
| | 4000 Hz | 86.70 | 0.00 | | 83.31 | 135.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -133.62 |
| | 8000 Hz | 78.40 | 0.00 | | 83.31 | 482.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | | -489.02 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 75.92 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 47.42 |
| | 63 Hz | 116.40 | 0.00 | | 75.92 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 43.26 |
| | 125 Hz | 110.70 | 0.00 | | 75.92 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 37.05 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 75.92 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.64 |
| | 500 Hz | 101.20 | 0.00 | | 75.92 | 3.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.88 |
| | 1000 Hz | 99.40 | 0.00 | | 75.92 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.03 |
| | 2000 Hz | 93.80 | 0.00 | | 75.92 | 17.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.84 |
| | 4000 Hz | 86.70 | 0.00 | | 75.92 | 57.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.00 |
| | 8000 Hz | 78.40 | 0.00 | | 75.92 | 206.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -200.59 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.10 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 36.41 |
| | 63 Hz | 116.40 | 0.00 | | 82.10 | 0.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.09 |
| | 125 Hz | 110.70 | 0.00 | | 82.10 | 1.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.35 |
| | 250 Hz | 104.40 | 0.00 | | 82.10 | 3.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.78 |
| | 500 Hz | 101.20 | 0.00 | | 82.10 | 6.92 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 10.40 |
| | 1000 Hz | 99.40 | 0.00 | | 82.10 | 13.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.39 |
| | 2000 Hz | 93.80 | 0.00 | | 82.10 | 34.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -24.78 |
| | 4000 Hz | 86.70 | 0.00 | | 82.10 | 117.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -114.86 |
| | 8000 Hz | 78.40 | 0.00 | | 82.10 | 419.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -425.23 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.79 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.72 |
| | 63 Hz | 116.40 | 0.00 | | 82.79 | 0.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.37 |
| | 125 Hz | 110.70 | 0.00 | | 82.79 | 1.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.54 |
| | 250 Hz | 104.40 | 0.00 | | 82.79 | 4.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.79 |
| | 500 Hz | 101.20 | 0.00 | | 82.79 | 7.49 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.15 |
| | 1000 Hz | 99.40 | 0.00 | | 82.79 | 14.21 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.63 |
| | 2000 Hz | 93.80 | 0.00 | | 82.79 | 37.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.32 |
| | 4000 Hz | 86.70 | 0.00 | | 82.79 | 127.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -125.21 |
| | 8000 Hz | 78.40 | 0.00 | | 82.79 | 454.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -460.39 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.49 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 38.04 |
| | 63 Hz | 116.40 | 0.00 | | 80.49 | 0.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.77 |
| | 125 Hz | 110.70 | 0.00 | | 80.49 | 1.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.21 |
| | 250 Hz | 104.40 | 0.00 | | 80.49 | 3.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 19.02 |
| | 500 Hz | 101.20 | 0.00 | | 80.49 | 5.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.18 |
| | 1000 Hz | 99.40 | 0.00 | | 80.49 | 10.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.22 |
| | 2000 Hz | 93.80 | 0.00 | | 80.49 | 28.84 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -17.30 |
| | 4000 Hz | 86.70 | 0.00 | | 80.49 | 97.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -93.36 |
| | 8000 Hz | 78.40 | 0.00 | | 80.49 | 348.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -352.65 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.14 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 37.39 |
| | 63 Hz | 116.40 | 0.00 | | 81.14 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.10 |
| | 125 Hz | 110.70 | 0.00 | | 81.14 | 1.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 26.47 |
| | 250 Hz | 104.40 | 0.00 | | 81.14 | 3.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 18.14 |
| | 500 Hz | 101.20 | 0.00 | | 81.14 | 6.19 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.10 |
| | 1000 Hz | 99.40 | 0.00 | | 81.14 | 11.75 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.74 |
| | 2000 Hz | 93.80 | 0.00 | | 81.14 | 31.05 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -20.16 |
| | 4000 Hz | 86.70 | 0.00 | | 81.14 | 105.29 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -101.50 |
| | 8000 Hz | 78.40 | 0.00 | | 81.14 | 375.54 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -380.04 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.63 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.87 |
| | 63 Hz | 116.40 | 0.00 | | 82.63 | 0.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.53 |
| | 125 Hz | 110.70 | 0.00 | | 82.63 | 1.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.73 |
| | 250 Hz | 104.40 | 0.00 | | 82.63 | 3.98 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.01 |
| | 500 Hz | 101.20 | 0.00 | | 82.63 | 7.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.44 |
| | 1000 Hz | 99.40 | 0.00 | | 82.63 | 13.96 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 1.04 |
| | 2000 Hz | 93.80 | 0.00 | | 82.63 | 36.89 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -27.49 |
| | 4000 Hz | 86.70 | 0.00 | | 82.63 | 125.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -122.79 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 82.63 | 446.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -452.15 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.12 | 0.12 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | 37.03 |
| | 63 Hz | 116.40 | 0.00 | | 82.12 | 0.44 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | | 33.45 |
| | 125 Hz | 110.70 | 0.00 | | 82.12 | 1.48 | -3.00 | 0.00 | 0.00 | 1.41 | 0.00 | | 28.69 |
| | 250 Hz | 104.40 | 0.00 | | 82.12 | 3.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.53 |
| | 500 Hz | 101.20 | 0.00 | | 82.12 | 6.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.15 |
| | 1000 Hz | 99.40 | 0.00 | | 82.12 | 13.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.12 |
| | 2000 Hz | 93.80 | 0.00 | | 82.12 | 34.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.09 |
| | 4000 Hz | 86.70 | 0.00 | | 82.12 | 117.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.32 |
| | 8000 Hz | 78.40 | 0.00 | | 82.12 | 420.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -421.24 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 81.30 | 0.10 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | | 34.00 |
| | 63 Hz | 113.10 | 0.00 | | 81.30 | 0.40 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | | 29.79 |
| | 125 Hz | 107.40 | 0.00 | | 81.30 | 1.35 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | | 23.31 |
| | 250 Hz | 101.10 | 0.00 | | 81.30 | 3.42 | -3.00 | 0.00 | 0.00 | 4.10 | 0.00 | | 15.28 |
| | 500 Hz | 97.90 | 0.00 | | 81.30 | 6.31 | -3.00 | 0.00 | 0.00 | 3.31 | 0.00 | | 9.98 |
| | 1000 Hz | 96.10 | 0.00 | | 81.30 | 11.97 | -3.00 | 0.00 | 0.00 | 1.09 | 0.00 | | 4.74 |
| | 2000 Hz | 90.50 | 0.00 | | 81.30 | 31.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.44 |
| | 4000 Hz | 83.40 | 0.00 | | 81.30 | 107.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.18 |
| | 8000 Hz | 75.10 | 0.00 | | 81.30 | 382.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -385.84 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.58 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.93 |
| | 63 Hz | 116.40 | 0.00 | | 82.58 | 0.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.59 |
| | 125 Hz | 110.70 | 0.00 | | 82.58 | 1.56 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | 24.80 |
| | 250 Hz | 104.40 | 0.00 | | 82.58 | 3.96 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | | 16.10 |
| | 500 Hz | 101.20 | 0.00 | | 82.58 | 7.31 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | | 9.56 |
| | 1000 Hz | 99.40 | 0.00 | | 82.58 | 13.88 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | | 1.23 |
| | 2000 Hz | 93.80 | 0.00 | | 82.58 | 36.67 | -3.00 | 0.00 | 0.00 | 4.66 | 0.00 | | -27.11 |
| | 4000 Hz | 86.70 | 0.00 | | 82.58 | 124.34 | -3.00 | 0.00 | 0.00 | 4.55 | 0.00 | | -121.77 |
| | 8000 Hz | 78.40 | 0.00 | | 82.58 | 443.46 | -3.00 | 0.00 | 0.00 | 4.32 | 0.00 | | -448.96 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.44 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.06 |
| | 63 Hz | 116.40 | 0.00 | | 83.44 | 0.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.68 |
| | 125 Hz | 110.70 | 0.00 | | 83.44 | 1.72 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.77 |
| | 250 Hz | 104.40 | 0.00 | | 83.44 | 4.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.82 |
| | 500 Hz | 101.20 | 0.00 | | 83.44 | 8.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 7.92 |
| | 1000 Hz | 99.40 | 0.00 | | 83.44 | 15.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -1.13 |
| | 2000 Hz | 93.80 | 0.00 | | 83.44 | 40.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -31.89 |
| | 4000 Hz | 86.70 | 0.00 | | 83.44 | 137.26 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -135.77 |
| | 8000 Hz | 78.40 | 0.00 | | 83.44 | 489.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -496.37 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.61 | 0.73 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | | 21.13 |
| | 125 Hz | 104.80 | 0.00 | | 86.61 | 2.48 | -3.00 | 0.00 | 0.00 | 0.88 | 0.00 | | 17.84 |
| | 250 Hz | 101.50 | 0.00 | | 86.61 | 6.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.60 |
| | 500 Hz | 97.10 | 0.00 | | 86.61 | 11.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.87 |
| | 1000 Hz | 91.00 | 0.00 | | 86.61 | 22.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.67 |
| | 2000 Hz | 86.30 | 0.00 | | 86.61 | 58.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.60 |
| | 4000 Hz | 80.30 | 0.00 | | 86.61 | 197.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -200.99 |
| | 8000 Hz | 74.00 | 0.00 | | 86.61 | 705.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -714.68 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.07 | 0.20 | -3.00 | 0.00 | 0.00 | 4.15 | 0.00 | | 26.57 |
| | 63 Hz | 113.00 | 0.00 | | 87.07 | 0.77 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 24.72 |
| | 125 Hz | 108.60 | 0.00 | | 87.07 | 2.62 | -3.00 | 0.00 | 0.00 | 1.51 | 0.00 | | 20.40 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 105.70 | 0.00 | | 87.07 | 6.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.99 |
| | 500 Hz | 101.70 | 0.00 | | 87.07 | 12.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.36 |
| | 1000 Hz | 95.50 | 0.00 | | 87.07 | 23.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.85 |
| | 2000 Hz | 89.70 | 0.00 | | 87.07 | 61.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.88 |
| | 4000 Hz | 82.20 | 0.00 | | 87.07 | 208.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -210.46 |
| | 8000 Hz | 74.00 | 0.00 | | 87.07 | 743.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -754.02 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.18 | 0.21 | -3.00 | 0.00 | 0.00 | 4.31 | 0.00 | | 26.30 |
| | 63 Hz | 113.00 | 0.00 | | 87.18 | 0.78 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 24.24 |
| | 125 Hz | 108.60 | 0.00 | | 87.18 | 2.65 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 19.22 |
| | 250 Hz | 105.70 | 0.00 | | 87.18 | 6.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.80 |
| | 500 Hz | 101.70 | 0.00 | | 87.18 | 12.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.10 |
| | 1000 Hz | 95.50 | 0.00 | | 87.18 | 23.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.24 |
| | 2000 Hz | 89.70 | 0.00 | | 87.18 | 62.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.74 |
| | 4000 Hz | 82.20 | 0.00 | | 87.18 | 211.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -213.11 |
| | 8000 Hz | 74.00 | 0.00 | | 87.18 | 753.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -763.21 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 84.83 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.92 |
| | 63 Hz | 111.30 | 0.00 | | 84.83 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.88 |
| | 125 Hz | 107.40 | 0.00 | | 84.83 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.55 |
| | 250 Hz | 102.80 | 0.00 | | 84.83 | 5.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.85 |
| | 500 Hz | 99.70 | 0.00 | | 84.83 | 9.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.40 |
| | 1000 Hz | 96.60 | 0.00 | | 84.83 | 17.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.20 |
| | 2000 Hz | 91.70 | 0.00 | | 84.83 | 47.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.61 |
| | 4000 Hz | 85.00 | 0.00 | | 84.83 | 161.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.86 |
| | 8000 Hz | 87.30 | 0.00 | | 84.83 | 574.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -568.86 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.95 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.18 |
| | 125 Hz | 108.60 | 0.00 | | 86.95 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.07 |
| | 250 Hz | 103.40 | 0.00 | | 86.95 | 6.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.90 |
| | 500 Hz | 99.10 | 0.00 | | 86.95 | 12.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.05 |
| | 1000 Hz | 98.00 | 0.00 | | 86.95 | 22.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.91 |
| | 2000 Hz | 89.80 | 0.00 | | 86.95 | 60.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.82 |
| | 4000 Hz | 85.30 | 0.00 | | 86.95 | 205.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.38 |
| | 8000 Hz | 80.10 | 0.00 | | 86.95 | 733.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -737.61 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.79 | 0.20 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | | 30.58 |
| | 63 Hz | 112.30 | 0.00 | | 86.79 | 0.75 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 24.60 |
| | 125 Hz | 108.10 | 0.00 | | 86.79 | 2.53 | -3.00 | 0.00 | 0.00 | 0.63 | 0.00 | | 21.15 |
| | 250 Hz | 103.50 | 0.00 | | 86.79 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.29 |
| | 500 Hz | 100.70 | 0.00 | | 86.79 | 11.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.05 |
| | 1000 Hz | 98.30 | 0.00 | | 86.79 | 22.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.01 |
| | 2000 Hz | 93.80 | 0.00 | | 86.79 | 59.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.49 |
| | 4000 Hz | 86.20 | 0.00 | | 86.79 | 201.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.38 |
| | 8000 Hz | 78.20 | 0.00 | | 86.79 | 719.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -725.31 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.37 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.04 |
| | 63 Hz | 111.70 | 0.00 | | 86.37 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.62 |
| | 125 Hz | 106.40 | 0.00 | | 86.37 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.62 |
| | 250 Hz | 102.10 | 0.00 | | 86.37 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.61 |
| | 500 Hz | 99.10 | 0.00 | | 86.37 | 11.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.42 |
| | 1000 Hz | 96.90 | 0.00 | | 86.37 | 21.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.93 |
| | 2000 Hz | 90.50 | 0.00 | | 86.37 | 56.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.58 |
| | 4000 Hz | 81.00 | 0.00 | | 86.37 | 192.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.67 |
| | 8000 Hz | 76.50 | 0.00 | | 86.37 | 685.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -692.76 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.53 | 0.21 | -3.00 | 0.00 | 0.00 | 4.37 | 0.00 | | 29.39 |
| | 63 Hz | 110.40 | 0.00 | | 87.53 | 0.82 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | | 21.13 |
| | 125 Hz | 107.20 | 0.00 | | 87.53 | 2.75 | -3.00 | 0.00 | 0.00 | 2.91 | 0.00 | | 17.01 |
| | 250 Hz | 101.70 | 0.00 | | 87.53 | 6.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.18 |
| | 500 Hz | 98.20 | 0.00 | | 87.53 | 12.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.75 |
| | 1000 Hz | 95.60 | 0.00 | | 87.53 | 24.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.44 |
| | 2000 Hz | 93.70 | 0.00 | | 87.53 | 64.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.61 |
| | 4000 Hz | 90.70 | 0.00 | | 87.53 | 219.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -213.53 |
| | 8000 Hz | 79.50 | 0.00 | | 87.53 | 783.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -788.64 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.45 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.20 |
| | 63 Hz | 111.60 | 0.00 | | 84.45 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.58 |
| | 125 Hz | 108.60 | 0.00 | | 84.45 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.22 |
| | 250 Hz | 106.50 | 0.00 | | 84.45 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.14 |
| | 500 Hz | 102.90 | 0.00 | | 84.45 | 9.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.38 |
| | 1000 Hz | 99.60 | 0.00 | | 84.45 | 17.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.95 |
| | 2000 Hz | 95.90 | 0.00 | | 84.45 | 45.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.01 |
| | 4000 Hz | 90.10 | 0.00 | | 84.45 | 154.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -145.52 |
| | 8000 Hz | 76.30 | 0.00 | | 84.45 | 549.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -555.03 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.56 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.09 |
| | 63 Hz | 111.60 | 0.00 | | 84.56 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.46 |
| | 125 Hz | 108.60 | 0.00 | | 84.56 | 1.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.08 |
| | 250 Hz | 106.50 | 0.00 | | 84.56 | 4.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.97 |
| | 500 Hz | 102.90 | 0.00 | | 84.56 | 9.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.16 |
| | 1000 Hz | 99.60 | 0.00 | | 84.56 | 17.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.62 |
| | 2000 Hz | 95.90 | 0.00 | | 84.56 | 46.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.69 |
| | 4000 Hz | 90.10 | 0.00 | | 84.56 | 156.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.58 |
| | 8000 Hz | 76.30 | 0.00 | | 84.56 | 556.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -562.08 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.24 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.43 |
| | 63 Hz | 111.60 | 0.00 | | 83.24 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.87 |
| | 125 Hz | 108.60 | 0.00 | | 83.24 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.68 |
| | 250 Hz | 106.50 | 0.00 | | 83.24 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.00 |
| | 500 Hz | 102.90 | 0.00 | | 83.24 | 7.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.78 |
| | 1000 Hz | 99.60 | 0.00 | | 83.24 | 14.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.40 |
| | 2000 Hz | 95.90 | 0.00 | | 83.24 | 39.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.87 |
| | 4000 Hz | 90.10 | 0.00 | | 83.24 | 134.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.22 |
| | 8000 Hz | 76.30 | 0.00 | | 83.24 | 478.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -482.15 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.95 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.73 |
| | 63 Hz | 111.60 | 0.00 | | 82.95 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.17 |
| | 125 Hz | 108.60 | 0.00 | | 82.95 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.03 |
| | 250 Hz | 106.50 | 0.00 | | 82.95 | 4.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.42 |
| | 500 Hz | 102.90 | 0.00 | | 82.95 | 7.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.32 |
| | 1000 Hz | 99.60 | 0.00 | | 82.95 | 14.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.18 |
| | 2000 Hz | 95.90 | 0.00 | | 82.95 | 38.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.30 |
| | 4000 Hz | 90.10 | 0.00 | | 82.95 | 129.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.56 |
| | 8000 Hz | 76.30 | 0.00 | | 82.95 | 462.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -466.27 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.16 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.51 |
| | 63 Hz | 111.60 | 0.00 | | 83.16 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.95 |
| | 125 Hz | 108.60 | 0.00 | | 83.16 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.78 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.50 | 0.00 | | 83.16 | 4.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.11 |
| | 500 Hz | 102.90 | 0.00 | | 83.16 | 7.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.93 |
| | 1000 Hz | 99.60 | 0.00 | | 83.16 | 14.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.61 |
| | 2000 Hz | 95.90 | 0.00 | | 83.16 | 39.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.44 |
| | 4000 Hz | 90.10 | 0.00 | | 83.16 | 132.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.94 |
| | 8000 Hz | 76.30 | 0.00 | | 83.16 | 473.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -477.81 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.73 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.96 |
| | 63 Hz | 111.60 | 0.00 | | 81.73 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.45 |
| | 125 Hz | 108.60 | 0.00 | | 81.73 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.46 |
| | 250 Hz | 106.50 | 0.00 | | 81.73 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.18 |
| | 500 Hz | 102.90 | 0.00 | | 81.73 | 6.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.54 |
| | 1000 Hz | 99.60 | 0.00 | | 81.73 | 12.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.29 |
| | 2000 Hz | 95.90 | 0.00 | | 81.73 | 33.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.07 |
| | 4000 Hz | 90.10 | 0.00 | | 81.73 | 112.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.35 |
| | 8000 Hz | 76.30 | 0.00 | | 81.73 | 402.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -404.48 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.45 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.24 |
| | 63 Hz | 111.60 | 0.00 | | 81.45 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.74 |
| | 125 Hz | 108.60 | 0.00 | | 81.45 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.78 |
| | 250 Hz | 106.50 | 0.00 | | 81.45 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.57 |
| | 500 Hz | 102.90 | 0.00 | | 81.45 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.02 |
| | 1000 Hz | 99.60 | 0.00 | | 81.45 | 12.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.96 |
| | 2000 Hz | 95.90 | 0.00 | | 81.45 | 32.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.76 |
| | 4000 Hz | 90.10 | 0.00 | | 81.45 | 109.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.58 |
| | 8000 Hz | 76.30 | 0.00 | | 81.45 | 389.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -391.72 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.10 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.59 |
| | 63 Hz | 111.60 | 0.00 | | 82.10 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.07 |
| | 125 Hz | 108.60 | 0.00 | | 82.10 | 1.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.03 |
| | 250 Hz | 106.50 | 0.00 | | 82.10 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.66 |
| | 500 Hz | 102.90 | 0.00 | | 82.10 | 6.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.88 |
| | 1000 Hz | 99.60 | 0.00 | | 82.10 | 13.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.38 |
| | 2000 Hz | 95.90 | 0.00 | | 82.10 | 34.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.88 |
| | 4000 Hz | 90.10 | 0.00 | | 82.10 | 117.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.62 |
| | 8000 Hz | 76.30 | 0.00 | | 82.10 | 419.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -422.30 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 85.31 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.04 |
| | 125 Hz | 5.20 | 0.00 | | 85.31 | 2.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.24 |
| | 250 Hz | 1.90 | 0.00 | | 85.31 | 5.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.83 |
| | 500 Hz | -1.30 | 0.00 | | 85.31 | 10.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.62 |
| | 1000 Hz | -5.00 | 0.00 | | 85.31 | 18.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.30 |
| | 2000 Hz | -8.20 | 0.00 | | 85.31 | 50.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.70 |
| | 4000 Hz | -12.00 | 0.00 | | 85.31 | 170.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -264.51 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 74.27 | 0.18 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | 32.63 |
| | 125 Hz | 106.50 | 0.00 | | 74.27 | 0.60 | -3.00 | 0.00 | 0.00 | 3.39 | 0.00 | | 31.24 |
| | 250 Hz | 103.20 | 0.00 | | 74.27 | 1.52 | -3.00 | 0.00 | 0.00 | 1.36 | 0.00 | | 29.05 |
| | 500 Hz | 100.00 | 0.00 | | 74.27 | 2.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.93 |
| | 1000 Hz | 96.30 | 0.00 | | 74.27 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.71 |
| | 2000 Hz | 93.10 | 0.00 | | 74.27 | 14.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.76 |
| | 4000 Hz | 89.30 | 0.00 | | 74.27 | 47.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.70 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.97 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.95 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 110.90 | 0.00 | | 81.97 | 0.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 26.73 |
| | 125 Hz | 108.00 | 0.00 | | 81.97 | 1.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.81 |
| | 250 Hz | 103.80 | 0.00 | | 81.97 | 3.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.37 |
| | 500 Hz | 101.90 | 0.00 | | 81.97 | 6.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.34 |
| | 1000 Hz | 98.90 | 0.00 | | 81.97 | 12.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.23 |
| | 2000 Hz | 94.60 | 0.00 | | 81.97 | 34.18 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -23.32 |
| | 4000 Hz | 88.20 | 0.00 | | 81.97 | 115.90 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -111.44 |
| | 8000 Hz | 78.80 | 0.00 | | 81.97 | 413.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -418.30 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.89 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.03 |
| | 63 Hz | 110.90 | 0.00 | | 80.89 | 0.38 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.85 |
| | 125 Hz | 108.00 | 0.00 | | 80.89 | 1.28 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.05 |
| | 250 Hz | 103.80 | 0.00 | | 80.89 | 3.26 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.87 |
| | 500 Hz | 101.90 | 0.00 | | 80.89 | 6.02 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.21 |
| | 1000 Hz | 98.90 | 0.00 | | 80.89 | 11.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.81 |
| | 2000 Hz | 94.60 | 0.00 | | 80.89 | 30.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -18.26 |
| | 4000 Hz | 88.20 | 0.00 | | 80.89 | 102.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -96.87 |
| | 8000 Hz | 78.80 | 0.00 | | 80.89 | 365.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -369.10 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.54 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.39 |
| | 63 Hz | 110.90 | 0.00 | | 81.54 | 0.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.18 |
| | 125 Hz | 108.00 | 0.00 | | 81.54 | 1.38 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.31 |
| | 250 Hz | 103.80 | 0.00 | | 81.54 | 3.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.98 |
| | 500 Hz | 101.90 | 0.00 | | 81.54 | 6.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.11 |
| | 1000 Hz | 98.90 | 0.00 | | 81.54 | 12.30 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 3.29 |
| | 2000 Hz | 94.60 | 0.00 | | 81.54 | 32.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -21.22 |
| | 4000 Hz | 88.20 | 0.00 | | 81.54 | 110.25 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -105.36 |
| | 8000 Hz | 78.80 | 0.00 | | 81.54 | 393.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -397.73 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 79.94 | 0.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 33.00 |
| | 63 Hz | 110.90 | 0.00 | | 79.94 | 0.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.85 |
| | 125 Hz | 108.00 | 0.00 | | 79.94 | 1.15 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.14 |
| | 250 Hz | 103.80 | 0.00 | | 79.94 | 2.92 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 19.17 |
| | 500 Hz | 101.90 | 0.00 | | 79.94 | 5.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 14.80 |
| | 1000 Hz | 98.90 | 0.00 | | 79.94 | 10.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.96 |
| | 2000 Hz | 94.60 | 0.00 | | 79.94 | 27.04 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -14.15 |
| | 4000 Hz | 88.20 | 0.00 | | 79.94 | 91.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -85.22 |
| | 8000 Hz | 78.80 | 0.00 | | 79.94 | 327.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -330.02 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 73.25 | 0.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 51.91 |
| | 63 Hz | 122.10 | 0.00 | | 73.25 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 51.69 |
| | 125 Hz | 115.00 | 0.00 | | 73.25 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.22 |
| | 250 Hz | 108.00 | 0.00 | | 73.25 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.40 |
| | 500 Hz | 103.90 | 0.00 | | 73.25 | 2.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.15 |
| | 1000 Hz | 101.60 | 0.00 | | 73.25 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.61 |
| | 2000 Hz | 96.70 | 0.00 | | 73.25 | 12.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.93 |
| | 4000 Hz | 88.60 | 0.00 | | 73.25 | 42.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.11 |
| | 8000 Hz | 80.90 | 0.00 | | 73.25 | 151.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.80 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 75.07 | 0.19 | -3.00 | 0.00 | 0.00 | 3.27 | 0.00 | | 36.96 |
| | 125 Hz | 109.80 | 0.00 | | 75.07 | 0.66 | -3.00 | 0.00 | 0.00 | 1.01 | 0.00 | | 36.06 |
| | 250 Hz | 107.40 | 0.00 | | 75.07 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.66 |
| | 500 Hz | 101.60 | 0.00 | | 75.07 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.45 |
| | 1000 Hz | 94.50 | 0.00 | | 75.07 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.58 |
| | 2000 Hz | 88.00 | 0.00 | | 75.07 | 15.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.49 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 85.30 | 0.00 | | 75.07 | 52.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.14 |
| | 8000 Hz | 79.90 | 0.00 | | 75.07 | 186.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.97 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 75.92 | 0.21 | -3.00 | 0.00 | 0.00 | 1.69 | 0.00 | | 38.77 |
| | 125 Hz | 110.80 | 0.00 | | 75.92 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.15 |
| | 250 Hz | 105.10 | 0.00 | | 75.92 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.34 |
| | 500 Hz | 102.60 | 0.00 | | 75.92 | 3.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.28 |
| | 1000 Hz | 99.60 | 0.00 | | 75.92 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.23 |
| | 2000 Hz | 93.10 | 0.00 | | 75.92 | 17.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.13 |
| | 4000 Hz | 80.70 | 0.00 | | 75.92 | 57.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.01 |
| | 8000 Hz | 77.00 | 0.00 | | 75.92 | 206.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.03 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 76.82 | 0.24 | -3.00 | 0.00 | 0.00 | 3.77 | 0.00 | | 35.77 |
| | 125 Hz | 110.80 | 0.00 | | 76.82 | 0.80 | -3.00 | 0.00 | 0.00 | 2.50 | 0.00 | | 33.68 |
| | 250 Hz | 105.10 | 0.00 | | 76.82 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.24 |
| | 500 Hz | 102.60 | 0.00 | | 76.82 | 3.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |
| | 1000 Hz | 99.60 | 0.00 | | 76.82 | 7.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.63 |
| | 2000 Hz | 93.10 | 0.00 | | 76.82 | 18.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.39 |
| | 4000 Hz | 80.70 | 0.00 | | 76.82 | 64.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.17 |
| | 8000 Hz | 77.00 | 0.00 | | 76.82 | 228.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -225.25 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.59 | 0.26 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | | 34.49 |
| | 125 Hz | 110.80 | 0.00 | | 77.59 | 0.88 | -3.00 | 0.00 | 0.00 | 3.69 | 0.00 | | 31.64 |
| | 250 Hz | 105.10 | 0.00 | | 77.59 | 2.23 | -3.00 | 0.00 | 0.00 | 2.25 | 0.00 | | 26.04 |
| | 500 Hz | 102.60 | 0.00 | | 77.59 | 4.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.90 |
| | 1000 Hz | 99.60 | 0.00 | | 77.59 | 7.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.20 |
| | 2000 Hz | 93.10 | 0.00 | | 77.59 | 20.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.12 |
| | 4000 Hz | 80.70 | 0.00 | | 77.59 | 69.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.87 |
| | 8000 Hz | 77.00 | 0.00 | | 77.59 | 249.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -247.18 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 73.46 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.78 |
| | 125 Hz | 104.80 | 0.00 | | 73.46 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.79 |
| | 250 Hz | 99.40 | 0.00 | | 73.46 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.55 |
| | 500 Hz | 95.00 | 0.00 | | 73.46 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.98 |
| | 1000 Hz | 93.20 | 0.00 | | 73.46 | 4.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.88 |
| | 2000 Hz | 89.10 | 0.00 | | 73.46 | 12.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.81 |
| | 4000 Hz | 83.90 | 0.00 | | 73.46 | 43.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.07 |
| | 8000 Hz | 82.20 | 0.00 | | 73.46 | 155.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.46 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.02 | 0.86 | -3.00 | 0.00 | 0.00 | 3.48 | 0.00 | | 25.94 |
| | 125 Hz | 111.00 | 0.00 | | 88.02 | 2.92 | -3.00 | 0.00 | 0.00 | 1.67 | 0.00 | | 21.39 |
| | 250 Hz | 106.60 | 0.00 | | 88.02 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.17 |
| | 500 Hz | 103.70 | 0.00 | | 88.02 | 13.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.99 |
| | 1000 Hz | 99.80 | 0.00 | | 88.02 | 25.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.18 |
| | 2000 Hz | 95.60 | 0.00 | | 88.02 | 68.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.03 |
| | 4000 Hz | 86.90 | 0.00 | | 88.02 | 232.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -230.77 |
| | 8000 Hz | 65.40 | 0.00 | | 88.02 | 829.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -849.39 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.41 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.09 |
| | 125 Hz | 111.00 | 0.00 | | 87.41 | 2.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.88 |
| | 250 Hz | 106.60 | 0.00 | | 87.41 | 6.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.29 |
| | 500 Hz | 103.70 | 0.00 | | 87.41 | 12.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.55 |
| | 1000 Hz | 99.80 | 0.00 | | 87.41 | 24.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.79 |
| | 2000 Hz | 95.60 | 0.00 | | 87.41 | 63.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.72 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 86.90 | 0.00 | | 87.41 | 216.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -214.24 |
| | 8000 Hz | 65.40 | 0.00 | | 87.41 | 773.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -792.02 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.15 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.46 |
| | 125 Hz | 111.00 | 0.00 | | 86.15 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.50 |
| | 250 Hz | 106.60 | 0.00 | | 86.15 | 5.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.49 |
| | 500 Hz | 103.70 | 0.00 | | 86.15 | 11.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.53 |
| | 1000 Hz | 99.80 | 0.00 | | 86.15 | 20.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.27 |
| | 2000 Hz | 95.60 | 0.00 | | 86.15 | 55.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.82 |
| | 4000 Hz | 86.90 | 0.00 | | 86.15 | 187.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -183.70 |
| | 8000 Hz | 65.40 | 0.00 | | 86.15 | 668.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -686.33 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.01 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.20 |
| | 125 Hz | 110.20 | 0.00 | | 86.01 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.87 |
| | 250 Hz | 105.30 | 0.00 | | 86.01 | 5.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.41 |
| | 500 Hz | 102.70 | 0.00 | | 86.01 | 10.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.83 |
| | 1000 Hz | 99.80 | 0.00 | | 86.01 | 20.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.82 |
| | 2000 Hz | 95.50 | 0.00 | | 86.01 | 54.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.96 |
| | 4000 Hz | 84.90 | 0.00 | | 86.01 | 184.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.75 |
| | 8000 Hz | 61.80 | 0.00 | | 86.01 | 658.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -679.74 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.02 | 0.69 | -3.00 | 0.00 | 0.00 | 3.31 | 0.00 | | 27.88 |
| | 125 Hz | 110.20 | 0.00 | | 86.02 | 2.32 | -3.00 | 0.00 | 0.00 | 1.13 | 0.00 | | 23.72 |
| | 250 Hz | 105.30 | 0.00 | | 86.02 | 5.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.39 |
| | 500 Hz | 102.70 | 0.00 | | 86.02 | 10.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.81 |
| | 1000 Hz | 99.80 | 0.00 | | 86.02 | 20.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.85 |
| | 2000 Hz | 95.50 | 0.00 | | 86.02 | 54.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.02 |
| | 4000 Hz | 84.90 | 0.00 | | 86.02 | 184.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.94 |
| | 8000 Hz | 61.80 | 0.00 | | 86.02 | 659.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -680.40 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.09 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.60 |
| | 125 Hz | 111.00 | 0.00 | | 85.09 | 2.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.83 |
| | 250 Hz | 106.60 | 0.00 | | 85.09 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.23 |
| | 500 Hz | 103.70 | 0.00 | | 85.09 | 9.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.85 |
| | 1000 Hz | 99.80 | 0.00 | | 85.09 | 18.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.80 |
| | 2000 Hz | 95.60 | 0.00 | | 85.09 | 48.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.42 |
| | 4000 Hz | 86.90 | 0.00 | | 85.09 | 165.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.12 |
| | 8000 Hz | 65.40 | 0.00 | | 85.09 | 591.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -608.51 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.09 | 0.62 | -3.00 | 0.00 | 0.00 | 3.18 | 0.00 | | 29.41 |
| | 125 Hz | 111.00 | 0.00 | | 85.09 | 2.08 | -3.00 | 0.00 | 0.00 | 0.69 | 0.00 | | 26.13 |
| | 250 Hz | 106.60 | 0.00 | | 85.09 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.22 |
| | 500 Hz | 103.70 | 0.00 | | 85.09 | 9.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.84 |
| | 1000 Hz | 99.80 | 0.00 | | 85.09 | 18.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.82 |
| | 2000 Hz | 95.60 | 0.00 | | 85.09 | 48.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.45 |
| | 4000 Hz | 86.90 | 0.00 | | 85.09 | 166.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.21 |
| | 8000 Hz | 65.40 | 0.00 | | 85.09 | 592.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -608.82 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 73.04 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.61 |
| | 125 Hz | 104.80 | 0.00 | | 73.04 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.24 |
| | 250 Hz | 101.20 | 0.00 | | 73.04 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.84 |
| | 500 Hz | 96.80 | 0.00 | | 73.04 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.33 |
| | 1000 Hz | 92.70 | 0.00 | | 73.04 | 4.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.04 |
| | 2000 Hz | 90.50 | 0.00 | | 73.04 | 12.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.24 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 84.90 | 0.00 | | 73.04 | 41.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.58 |
| | 8000 Hz | 70.70 | 0.00 | | 73.04 | 147.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.15 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 79.11 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.78 |
| | 125 Hz | 106.90 | 0.00 | | 79.11 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.74 |
| | 250 Hz | 104.10 | 0.00 | | 79.11 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.33 |
| | 500 Hz | 100.40 | 0.00 | | 79.11 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.38 |
| | 1000 Hz | 96.10 | 0.00 | | 79.11 | 9.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.68 |
| | 2000 Hz | 90.70 | 0.00 | | 79.11 | 24.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.01 |
| | 4000 Hz | 83.90 | 0.00 | | 79.11 | 83.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.61 |
| | 8000 Hz | 75.80 | 0.00 | | 79.11 | 297.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -297.78 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 78.29 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.63 |
| | 125 Hz | 108.80 | 0.00 | | 78.29 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.56 |
| | 250 Hz | 106.10 | 0.00 | | 78.29 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.39 |
| | 500 Hz | 102.40 | 0.00 | | 78.29 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.64 |
| | 1000 Hz | 98.10 | 0.00 | | 78.29 | 8.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.34 |
| | 2000 Hz | 92.80 | 0.00 | | 78.29 | 22.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.87 |
| | 4000 Hz | 85.90 | 0.00 | | 78.29 | 75.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.29 |
| | 8000 Hz | 77.90 | 0.00 | | 78.29 | 270.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -268.08 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 76.28 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.70 |
| | 125 Hz | 106.90 | 0.00 | | 76.28 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.87 |
| | 250 Hz | 104.10 | 0.00 | | 76.28 | 1.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.91 |
| | 500 Hz | 100.40 | 0.00 | | 76.28 | 3.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.59 |
| | 1000 Hz | 96.10 | 0.00 | | 76.28 | 6.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.11 |
| | 2000 Hz | 90.70 | 0.00 | | 76.28 | 17.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.32 |
| | 4000 Hz | 83.90 | 0.00 | | 76.28 | 60.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.54 |
| | 8000 Hz | 75.80 | 0.00 | | 76.28 | 214.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.08 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 67.79 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.32 |
| | 125 Hz | 108.80 | 0.00 | | 67.79 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.72 |
| | 250 Hz | 106.10 | 0.00 | | 67.79 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.59 |
| | 500 Hz | 102.40 | 0.00 | | 67.79 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.28 |
| | 1000 Hz | 98.10 | 0.00 | | 67.79 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.78 |
| | 2000 Hz | 92.80 | 0.00 | | 67.79 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.33 |
| | 4000 Hz | 85.90 | 0.00 | | 67.79 | 22.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.55 |
| | 8000 Hz | 77.90 | 0.00 | | 67.79 | 80.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.69 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 70.76 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.22 |
| | 125 Hz | 110.70 | 0.00 | | 70.76 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.54 |
| | 250 Hz | 108.00 | 0.00 | | 70.76 | 1.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.23 |
| | 500 Hz | 104.50 | 0.00 | | 70.76 | 1.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.87 |
| | 1000 Hz | 100.10 | 0.00 | | 70.76 | 3.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.79 |
| | 2000 Hz | 94.80 | 0.00 | | 70.76 | 9.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.64 |
| | 4000 Hz | 87.90 | 0.00 | | 70.76 | 31.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.73 |
| | 8000 Hz | 79.90 | 0.00 | | 70.76 | 113.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.54 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 71.73 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.44 |
| | 125 Hz | 110.90 | 0.00 | | 71.73 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.73 |
| | 250 Hz | 108.10 | 0.00 | | 71.73 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.24 |
| | 500 Hz | 104.40 | 0.00 | | 71.73 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.58 |
| | 1000 Hz | 100.10 | 0.00 | | 71.73 | 3.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.40 |
| | 2000 Hz | 94.80 | 0.00 | | 71.73 | 10.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.56 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 4000 Hz | 88.00 | 0.00 | | 71.73 | 35.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.36 |
| | 8000 Hz | 80.00 | 0.00 | | 71.73 | 127.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -115.83 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.18 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.75 |
| | 125 Hz | 110.70 | 0.00 | | 74.18 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.93 |
| | 250 Hz | 108.00 | 0.00 | | 74.18 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.32 |
| | 500 Hz | 104.50 | 0.00 | | 74.18 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.54 |
| | 1000 Hz | 100.10 | 0.00 | | 74.18 | 5.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.65 |
| | 2000 Hz | 94.80 | 0.00 | | 74.18 | 13.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.69 |
| | 4000 Hz | 87.90 | 0.00 | | 74.18 | 47.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -30.54 |
| | 8000 Hz | 79.90 | 0.00 | | 74.18 | 168.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -159.84 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.62 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.52 |
| | 125 Hz | 110.90 | 0.00 | | 73.62 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.73 |
| | 250 Hz | 108.10 | 0.00 | | 73.62 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.07 |
| | 500 Hz | 104.40 | 0.00 | | 73.62 | 2.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.18 |
| | 1000 Hz | 100.10 | 0.00 | | 73.62 | 4.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.54 |
| | 2000 Hz | 94.80 | 0.00 | | 73.62 | 13.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.12 |
| | 4000 Hz | 88.00 | 0.00 | | 73.62 | 44.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.91 |
| | 8000 Hz | 80.00 | 0.00 | | 73.62 | 157.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -148.61 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 76.03 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.86 |
| | 125 Hz | 110.70 | 0.00 | | 76.03 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.94 |
| | 250 Hz | 108.00 | 0.00 | | 76.03 | 1.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.11 |
| | 500 Hz | 104.50 | 0.00 | | 76.03 | 3.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.03 |
| | 1000 Hz | 100.10 | 0.00 | | 76.03 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.55 |
| | 2000 Hz | 94.80 | 0.00 | | 76.03 | 17.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 |
| | 4000 Hz | 87.90 | 0.00 | | 76.03 | 58.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.60 |
| | 8000 Hz | 79.90 | 0.00 | | 76.03 | 208.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -201.68 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt021 | IP S | 380534.78 | | 5775833.35 | | 75.773 | | 43.88 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.95 | 10.75 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -1.44 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 57.36 | 0.40 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 36.29 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 73.33 | 2.52 | 4.76 | 0.00 | 0.00 | 0.03 | 0.00 | 17.36 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 75.74 | 3.32 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | -79.79 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.06 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 20.98 |
| | 125 Hz | 102.50 | 0.00 | | 81.06 | 1.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 18.36 |
| | 250 Hz | 99.20 | 0.00 | | 81.06 | 3.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 13.05 |
| | 500 Hz | 96.00 | 0.00 | | 81.06 | 6.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 7.03 |
| | 1000 Hz | 92.30 | 0.00 | | 81.06 | 11.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -2.17 |
| | 2000 Hz | 89.10 | 0.00 | | 81.06 | 30.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -24.50 |
| | 4000 Hz | 85.30 | 0.00 | | 81.06 | 104.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -101.88 |

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|---------|----------------------|--------|------|--|-------|------|-------|------|------|------|------|-------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.14 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 23.89 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 105.50 | 0.00 | | 81.14 | 1.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.26 |
| | 250 Hz | 102.20 | 0.00 | | 81.14 | 3.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.93 |
| | 500 Hz | 99.00 | 0.00 | | 81.14 | 6.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.89 |
| | 1000 Hz | 95.30 | 0.00 | | 81.14 | 11.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.63 |
| | 2000 Hz | 92.10 | 0.00 | | 81.14 | 31.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -21.89 |
| | 4000 Hz | 88.30 | 0.00 | | 81.14 | 105.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -99.99 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.83 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.67 |
| | 63 Hz | 116.40 | 0.00 | | 82.83 | 0.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.32 |
| | 125 Hz | 110.70 | 0.00 | | 82.83 | 1.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.50 |
| | 250 Hz | 104.40 | 0.00 | | 82.83 | 4.07 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.73 |
| | 500 Hz | 101.20 | 0.00 | | 82.83 | 7.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.07 |
| | 1000 Hz | 99.40 | 0.00 | | 82.83 | 14.28 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.52 |
| | 2000 Hz | 93.80 | 0.00 | | 82.83 | 37.73 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.53 |
| | 4000 Hz | 86.70 | 0.00 | | 82.83 | 127.95 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -125.85 |
| | 8000 Hz | 78.40 | 0.00 | | 82.83 | 456.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -462.54 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 74.90 | 0.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.45 |
| | 63 Hz | 116.40 | 0.00 | | 74.90 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.31 |
| | 125 Hz | 110.70 | 0.00 | | 74.90 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.15 |
| | 250 Hz | 104.40 | 0.00 | | 74.90 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.86 |
| | 500 Hz | 101.20 | 0.00 | | 74.90 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.28 |
| | 1000 Hz | 99.40 | 0.00 | | 74.90 | 5.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.77 |
| | 2000 Hz | 93.80 | 0.00 | | 74.90 | 15.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.75 |
| | 4000 Hz | 86.70 | 0.00 | | 74.90 | 51.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.57 |
| | 8000 Hz | 78.40 | 0.00 | | 74.90 | 183.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -176.71 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.63 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 36.89 |
| | 63 Hz | 116.40 | 0.00 | | 81.63 | 0.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.58 |
| | 125 Hz | 110.70 | 0.00 | | 81.63 | 1.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.90 |
| | 250 Hz | 104.40 | 0.00 | | 81.63 | 3.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.45 |
| | 500 Hz | 101.20 | 0.00 | | 81.63 | 6.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.24 |
| | 1000 Hz | 99.40 | 0.00 | | 81.63 | 12.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 3.56 |
| | 2000 Hz | 93.80 | 0.00 | | 81.63 | 32.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -22.47 |
| | 4000 Hz | 86.70 | 0.00 | | 81.63 | 111.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -108.15 |
| | 8000 Hz | 78.40 | 0.00 | | 81.63 | 397.51 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -402.51 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.34 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 36.17 |
| | 63 Hz | 116.40 | 0.00 | | 82.34 | 0.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.84 |
| | 125 Hz | 110.70 | 0.00 | | 82.34 | 1.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.07 |
| | 250 Hz | 104.40 | 0.00 | | 82.34 | 3.85 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.43 |
| | 500 Hz | 101.20 | 0.00 | | 82.34 | 7.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.97 |
| | 1000 Hz | 99.40 | 0.00 | | 82.34 | 13.50 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 1.78 |
| | 2000 Hz | 93.80 | 0.00 | | 82.34 | 35.68 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -25.99 |
| | 4000 Hz | 86.70 | 0.00 | | 82.34 | 121.00 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -118.41 |
| | 8000 Hz | 78.40 | 0.00 | | 82.34 | 431.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -437.26 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.87 | 0.09 | -3.00 | 0.00 | 0.00 | 1.27 | 0.00 | | 42.17 |
| | 63 Hz | 116.40 | 0.00 | | 79.87 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.19 |
| | 125 Hz | 110.70 | 0.00 | | 79.87 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.69 |
| | 250 Hz | 104.40 | 0.00 | | 79.87 | 2.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.64 |
| | 500 Hz | 101.20 | 0.00 | | 79.87 | 5.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.98 |
| | 1000 Hz | 99.40 | 0.00 | | 79.87 | 10.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.38 |
| | 2000 Hz | 93.80 | 0.00 | | 79.87 | 26.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.90 |
| | 4000 Hz | 86.70 | 0.00 | | 79.87 | 90.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.16 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.40 | 0.00 | | 79.87 | 324.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -322.99 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.52 | 0.10 | -3.00 | 0.00 | 0.00 | 1.39 | 0.00 | | 41.40 |
| | 63 Hz | 116.40 | 0.00 | | 80.52 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.52 |
| | 125 Hz | 110.70 | 0.00 | | 80.52 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.95 |
| | 250 Hz | 104.40 | 0.00 | | 80.52 | 3.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.76 |
| | 500 Hz | 101.20 | 0.00 | | 80.52 | 5.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.91 |
| | 1000 Hz | 99.40 | 0.00 | | 80.52 | 10.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.94 |
| | 2000 Hz | 93.80 | 0.00 | | 80.52 | 28.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.64 |
| | 4000 Hz | 86.70 | 0.00 | | 80.52 | 98.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.89 |
| | 8000 Hz | 78.40 | 0.00 | | 80.52 | 349.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -348.89 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.09 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 36.43 |
| | 63 Hz | 116.40 | 0.00 | | 82.09 | 0.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.10 |
| | 125 Hz | 110.70 | 0.00 | | 82.09 | 1.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.37 |
| | 250 Hz | 104.40 | 0.00 | | 82.09 | 3.74 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.80 |
| | 500 Hz | 101.20 | 0.00 | | 82.09 | 6.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 10.43 |
| | 1000 Hz | 99.40 | 0.00 | | 82.09 | 13.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.43 |
| | 2000 Hz | 93.80 | 0.00 | | 82.09 | 34.64 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -24.70 |
| | 4000 Hz | 86.70 | 0.00 | | 82.09 | 117.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -114.64 |
| | 8000 Hz | 78.40 | 0.00 | | 82.09 | 419.02 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -424.48 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.40 | 0.11 | -3.00 | 0.00 | 0.00 | 1.71 | 0.00 | | 40.18 |
| | 63 Hz | 116.40 | 0.00 | | 81.40 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.59 |
| | 125 Hz | 110.70 | 0.00 | | 81.40 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.93 |
| | 250 Hz | 104.40 | 0.00 | | 81.40 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.54 |
| | 500 Hz | 101.20 | 0.00 | | 81.40 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.41 |
| | 1000 Hz | 99.40 | 0.00 | | 81.40 | 12.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.88 |
| | 2000 Hz | 93.80 | 0.00 | | 81.40 | 32.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.63 |
| | 4000 Hz | 86.70 | 0.00 | | 81.40 | 108.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.30 |
| | 8000 Hz | 78.40 | 0.00 | | 81.40 | 387.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -387.32 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 80.57 | 0.10 | -3.00 | 0.00 | 0.00 | 1.54 | 0.00 | | 37.89 |
| | 63 Hz | 113.10 | 0.00 | | 80.57 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.16 |
| | 125 Hz | 107.40 | 0.00 | | 80.57 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.59 |
| | 250 Hz | 101.10 | 0.00 | | 80.57 | 3.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.38 |
| | 500 Hz | 97.90 | 0.00 | | 80.57 | 5.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.52 |
| | 1000 Hz | 96.10 | 0.00 | | 80.57 | 11.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.51 |
| | 2000 Hz | 90.50 | 0.00 | | 80.57 | 29.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.18 |
| | 4000 Hz | 83.40 | 0.00 | | 80.57 | 98.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.87 |
| | 8000 Hz | 75.10 | 0.00 | | 80.57 | 352.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -354.50 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.94 | 0.11 | -3.00 | 0.00 | 0.00 | 1.73 | 0.00 | | 39.62 |
| | 63 Hz | 116.40 | 0.00 | | 81.94 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.03 |
| | 125 Hz | 110.70 | 0.00 | | 81.94 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.32 |
| | 250 Hz | 104.40 | 0.00 | | 81.94 | 3.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.79 |
| | 500 Hz | 101.20 | 0.00 | | 81.94 | 6.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.47 |
| | 1000 Hz | 99.40 | 0.00 | | 81.94 | 12.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.58 |
| | 2000 Hz | 93.80 | 0.00 | | 81.94 | 34.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.18 |
| | 4000 Hz | 86.70 | 0.00 | | 81.94 | 115.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -107.70 |
| | 8000 Hz | 78.40 | 0.00 | | 81.94 | 411.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -412.34 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.89 | 0.13 | -3.00 | 0.00 | 0.00 | 1.80 | 0.00 | | 38.59 |
| | 63 Hz | 116.40 | 0.00 | | 82.89 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.04 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.70 | 0.00 | | 82.89 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.20 |
| | 250 Hz | 104.40 | 0.00 | | 82.89 | 4.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.41 |
| | 500 Hz | 101.20 | 0.00 | | 82.89 | 7.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.74 |
| | 1000 Hz | 99.40 | 0.00 | | 82.89 | 14.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 |
| | 2000 Hz | 93.80 | 0.00 | | 82.89 | 37.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.06 |
| | 4000 Hz | 86.70 | 0.00 | | 82.89 | 128.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -121.97 |
| | 8000 Hz | 78.40 | 0.00 | | 82.89 | 459.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -460.82 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.96 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.98 |
| | 125 Hz | 104.80 | 0.00 | | 86.96 | 2.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.26 |
| | 250 Hz | 101.50 | 0.00 | | 86.96 | 6.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.99 |
| | 500 Hz | 97.10 | 0.00 | | 86.96 | 12.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 |
| | 1000 Hz | 91.00 | 0.00 | | 86.96 | 22.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.93 |
| | 2000 Hz | 86.30 | 0.00 | | 86.96 | 60.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.35 |
| | 4000 Hz | 80.30 | 0.00 | | 86.96 | 205.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -209.48 |
| | 8000 Hz | 74.00 | 0.00 | | 86.96 | 734.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -744.04 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.40 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.39 |
| | 63 Hz | 113.00 | 0.00 | | 87.40 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.80 |
| | 125 Hz | 108.60 | 0.00 | | 87.40 | 2.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.49 |
| | 250 Hz | 105.70 | 0.00 | | 87.40 | 6.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.41 |
| | 500 Hz | 101.70 | 0.00 | | 87.40 | 12.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.57 |
| | 1000 Hz | 95.50 | 0.00 | | 87.40 | 24.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.06 |
| | 2000 Hz | 89.70 | 0.00 | | 87.40 | 63.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.53 |
| | 4000 Hz | 82.20 | 0.00 | | 87.40 | 216.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -218.68 |
| | 8000 Hz | 74.00 | 0.00 | | 87.40 | 772.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -782.52 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.47 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.31 |
| | 63 Hz | 113.00 | 0.00 | | 87.47 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.72 |
| | 125 Hz | 108.60 | 0.00 | | 87.47 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.39 |
| | 250 Hz | 105.70 | 0.00 | | 87.47 | 6.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.28 |
| | 500 Hz | 101.70 | 0.00 | | 87.47 | 12.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.38 |
| | 1000 Hz | 95.50 | 0.00 | | 87.47 | 24.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.34 |
| | 2000 Hz | 89.70 | 0.00 | | 87.47 | 64.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -59.17 |
| | 4000 Hz | 82.20 | 0.00 | | 87.47 | 218.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -220.65 |
| | 8000 Hz | 74.00 | 0.00 | | 87.47 | 778.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -789.33 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 85.38 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.35 |
| | 63 Hz | 111.30 | 0.00 | | 85.38 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.28 |
| | 125 Hz | 107.40 | 0.00 | | 85.38 | 2.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.87 |
| | 250 Hz | 102.80 | 0.00 | | 85.38 | 5.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.95 |
| | 500 Hz | 99.70 | 0.00 | | 85.38 | 10.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.22 |
| | 1000 Hz | 96.60 | 0.00 | | 85.38 | 19.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.94 |
| | 2000 Hz | 91.70 | 0.00 | | 85.38 | 50.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.30 |
| | 4000 Hz | 85.00 | 0.00 | | 85.38 | 171.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -169.04 |
| | 8000 Hz | 87.30 | 0.00 | | 85.38 | 612.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -607.31 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.31 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.79 |
| | 125 Hz | 108.60 | 0.00 | | 87.31 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.60 |
| | 250 Hz | 103.40 | 0.00 | | 87.31 | 6.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.26 |
| | 500 Hz | 99.10 | 0.00 | | 87.31 | 12.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 |
| | 1000 Hz | 98.00 | 0.00 | | 87.31 | 23.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.23 |
| | 2000 Hz | 89.80 | 0.00 | | 87.31 | 63.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.72 |
| | 4000 Hz | 85.30 | 0.00 | | 87.31 | 214.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -213.37 |
| | 8000 Hz | 80.10 | 0.00 | | 87.31 | 764.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -768.77 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.14 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.25 |
| | 63 Hz | 112.30 | 0.00 | | 87.14 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.37 |
| | 125 Hz | 108.10 | 0.00 | | 87.14 | 2.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.32 |
| | 250 Hz | 103.50 | 0.00 | | 87.14 | 6.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.66 |
| | 500 Hz | 100.70 | 0.00 | | 87.14 | 12.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.19 |
| | 1000 Hz | 98.30 | 0.00 | | 87.14 | 23.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.31 |
| | 2000 Hz | 93.80 | 0.00 | | 87.14 | 62.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.35 |
| | 4000 Hz | 86.20 | 0.00 | | 87.14 | 210.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -208.22 |
| | 8000 Hz | 78.20 | 0.00 | | 87.14 | 749.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -755.92 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.77 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.63 |
| | 63 Hz | 111.70 | 0.00 | | 86.77 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.18 |
| | 125 Hz | 106.40 | 0.00 | | 86.77 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.10 |
| | 250 Hz | 102.10 | 0.00 | | 86.77 | 6.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.91 |
| | 500 Hz | 99.10 | 0.00 | | 86.77 | 11.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.48 |
| | 1000 Hz | 96.90 | 0.00 | | 86.77 | 22.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.36 |
| | 2000 Hz | 90.50 | 0.00 | | 86.77 | 59.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.68 |
| | 4000 Hz | 81.00 | 0.00 | | 86.77 | 201.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.24 |
| | 8000 Hz | 76.50 | 0.00 | | 86.77 | 718.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -725.83 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.80 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.47 |
| | 63 Hz | 110.40 | 0.00 | | 87.80 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.75 |
| | 125 Hz | 107.20 | 0.00 | | 87.80 | 2.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.55 |
| | 250 Hz | 101.70 | 0.00 | | 87.80 | 7.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.67 |
| | 500 Hz | 98.20 | 0.00 | | 87.80 | 13.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.05 |
| | 1000 Hz | 95.60 | 0.00 | | 87.80 | 25.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.52 |
| | 2000 Hz | 93.70 | 0.00 | | 87.80 | 66.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.00 |
| | 4000 Hz | 90.70 | 0.00 | | 87.80 | 226.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.97 |
| | 8000 Hz | 79.50 | 0.00 | | 87.80 | 809.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -814.45 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.20 | 0.15 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 29.11 |
| | 63 Hz | 111.60 | 0.00 | | 84.20 | 0.56 | -3.00 | 0.00 | 0.00 | 1.21 | 0.00 | | 28.64 |
| | 125 Hz | 108.60 | 0.00 | | 84.20 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.52 |
| | 250 Hz | 106.50 | 0.00 | | 84.20 | 4.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.53 |
| | 500 Hz | 102.90 | 0.00 | | 84.20 | 8.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.89 |
| | 1000 Hz | 99.60 | 0.00 | | 84.20 | 16.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.68 |
| | 2000 Hz | 95.90 | 0.00 | | 84.20 | 44.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.47 |
| | 4000 Hz | 90.10 | 0.00 | | 84.20 | 149.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.90 |
| | 8000 Hz | 76.30 | 0.00 | | 84.20 | 534.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -539.20 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.25 | 0.15 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | 28.52 |
| | 63 Hz | 111.60 | 0.00 | | 84.25 | 0.56 | -3.00 | 0.00 | 0.00 | 2.76 | 0.00 | | 27.03 |
| | 125 Hz | 108.60 | 0.00 | | 84.25 | 1.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.46 |
| | 250 Hz | 106.50 | 0.00 | | 84.25 | 4.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.45 |
| | 500 Hz | 102.90 | 0.00 | | 84.25 | 8.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.78 |
| | 1000 Hz | 99.60 | 0.00 | | 84.25 | 16.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.52 |
| | 2000 Hz | 95.90 | 0.00 | | 84.25 | 44.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.80 |
| | 4000 Hz | 90.10 | 0.00 | | 84.25 | 150.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.90 |
| | 8000 Hz | 76.30 | 0.00 | | 84.25 | 537.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -542.60 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.04 | 0.13 | -3.00 | 0.00 | 0.00 | 3.28 | 0.00 | | 30.35 |
| | 63 Hz | 111.60 | 0.00 | | 83.04 | 0.49 | -3.00 | 0.00 | 0.00 | 0.99 | 0.00 | | 30.08 |
| | 125 Hz | 108.60 | 0.00 | | 83.04 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.91 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 106.50 | 0.00 | | 83.04 | 4.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.28 |
| | 500 Hz | 102.90 | 0.00 | | 83.04 | 7.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.15 |
| | 1000 Hz | 99.60 | 0.00 | | 83.04 | 14.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.93 |
| | 2000 Hz | 95.90 | 0.00 | | 83.04 | 38.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.80 |
| | 4000 Hz | 90.10 | 0.00 | | 83.04 | 131.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.05 |
| | 8000 Hz | 76.30 | 0.00 | | 83.04 | 467.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.38 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.68 | 0.12 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | | 30.70 |
| | 63 Hz | 111.60 | 0.00 | | 82.68 | 0.47 | -3.00 | 0.00 | 0.00 | 1.05 | 0.00 | | 30.41 |
| | 125 Hz | 108.60 | 0.00 | | 82.68 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.35 |
| | 250 Hz | 106.50 | 0.00 | | 82.68 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.82 |
| | 500 Hz | 102.90 | 0.00 | | 82.68 | 7.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.83 |
| | 1000 Hz | 99.60 | 0.00 | | 82.68 | 14.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.89 |
| | 2000 Hz | 95.90 | 0.00 | | 82.68 | 37.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.85 |
| | 4000 Hz | 90.10 | 0.00 | | 82.68 | 125.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.31 |
| | 8000 Hz | 76.30 | 0.00 | | 82.68 | 448.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -451.82 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.78 | 0.12 | -3.00 | 0.00 | 0.00 | 3.85 | 0.00 | | 30.05 |
| | 63 Hz | 111.60 | 0.00 | | 82.78 | 0.47 | -3.00 | 0.00 | 0.00 | 2.68 | 0.00 | | 28.67 |
| | 125 Hz | 108.60 | 0.00 | | 82.78 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.23 |
| | 250 Hz | 106.50 | 0.00 | | 82.78 | 4.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.68 |
| | 500 Hz | 102.90 | 0.00 | | 82.78 | 7.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.64 |
| | 1000 Hz | 99.60 | 0.00 | | 82.78 | 14.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.63 |
| | 2000 Hz | 95.90 | 0.00 | | 82.78 | 37.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.38 |
| | 4000 Hz | 90.10 | 0.00 | | 82.78 | 127.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.85 |
| | 8000 Hz | 76.30 | 0.00 | | 82.78 | 453.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -457.05 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.50 | 0.11 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | | 32.01 |
| | 63 Hz | 111.60 | 0.00 | | 81.50 | 0.41 | -3.00 | 0.00 | 0.00 | 0.67 | 0.00 | | 32.02 |
| | 125 Hz | 108.60 | 0.00 | | 81.50 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.73 |
| | 250 Hz | 106.50 | 0.00 | | 81.50 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.51 |
| | 500 Hz | 102.90 | 0.00 | | 81.50 | 6.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.95 |
| | 1000 Hz | 99.60 | 0.00 | | 81.50 | 12.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.85 |
| | 2000 Hz | 95.90 | 0.00 | | 81.50 | 32.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.97 |
| | 4000 Hz | 90.10 | 0.00 | | 81.50 | 109.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.16 |
| | 8000 Hz | 76.30 | 0.00 | | 81.50 | 391.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -393.69 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.05 | 0.10 | -3.00 | 0.00 | 0.00 | 3.22 | 0.00 | | 32.43 |
| | 63 Hz | 111.60 | 0.00 | | 81.05 | 0.39 | -3.00 | 0.00 | 0.00 | 0.78 | 0.00 | | 32.38 |
| | 125 Hz | 108.60 | 0.00 | | 81.05 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.24 |
| | 250 Hz | 106.50 | 0.00 | | 81.05 | 3.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.13 |
| | 500 Hz | 102.90 | 0.00 | | 81.05 | 6.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.71 |
| | 1000 Hz | 99.60 | 0.00 | | 81.05 | 11.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.91 |
| | 2000 Hz | 95.90 | 0.00 | | 81.05 | 30.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.90 |
| | 4000 Hz | 90.10 | 0.00 | | 81.05 | 104.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.23 |
| | 8000 Hz | 76.30 | 0.00 | | 81.05 | 371.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -373.69 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.62 | 0.11 | -3.00 | 0.00 | 0.00 | 3.26 | 0.00 | | 31.81 |
| | 63 Hz | 111.60 | 0.00 | | 81.62 | 0.41 | -3.00 | 0.00 | 0.00 | 0.91 | 0.00 | | 31.65 |
| | 125 Hz | 108.60 | 0.00 | | 81.62 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.58 |
| | 250 Hz | 106.50 | 0.00 | | 81.62 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.33 |
| | 500 Hz | 102.90 | 0.00 | | 81.62 | 6.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.72 |
| | 1000 Hz | 99.60 | 0.00 | | 81.62 | 12.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.55 |
| | 2000 Hz | 95.90 | 0.00 | | 81.62 | 32.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.57 |
| | 4000 Hz | 90.10 | 0.00 | | 81.62 | 111.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.90 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 76.30 | 0.00 | | 81.62 | 397.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -399.57 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 84.88 | 0.60 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | -78.92 |
| | 125 Hz | 5.20 | 0.00 | | 84.88 | 2.03 | -3.00 | 0.00 | 0.00 | 1.23 | 0.00 | | -79.94 |
| | 250 Hz | 1.90 | 0.00 | | 84.88 | 5.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.14 |
| | 500 Hz | -1.30 | 0.00 | | 84.88 | 9.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.71 |
| | 1000 Hz | -5.00 | 0.00 | | 84.88 | 18.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.97 |
| | 2000 Hz | -8.20 | 0.00 | | 84.88 | 47.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -137.87 |
| | 4000 Hz | -12.00 | 0.00 | | 84.88 | 162.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -255.93 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 73.66 | 0.17 | -3.00 | 0.00 | 0.00 | 3.82 | 0.00 | | 33.56 |
| | 125 Hz | 106.50 | 0.00 | | 73.66 | 0.56 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | | 32.67 |
| | 250 Hz | 103.20 | 0.00 | | 73.66 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.12 |
| | 500 Hz | 100.00 | 0.00 | | 73.66 | 2.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.72 |
| | 1000 Hz | 96.30 | 0.00 | | 73.66 | 4.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.67 |
| | 2000 Hz | 93.10 | 0.00 | | 73.66 | 13.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.31 |
| | 4000 Hz | 89.30 | 0.00 | | 73.66 | 44.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.89 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.65 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.27 |
| | 63 Hz | 110.90 | 0.00 | | 81.65 | 0.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.06 |
| | 125 Hz | 108.00 | 0.00 | | 81.65 | 1.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.18 |
| | 250 Hz | 103.80 | 0.00 | | 81.65 | 3.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.82 |
| | 500 Hz | 101.90 | 0.00 | | 81.65 | 6.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.91 |
| | 1000 Hz | 98.90 | 0.00 | | 81.65 | 12.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 3.01 |
| | 2000 Hz | 94.60 | 0.00 | | 81.65 | 32.94 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -21.76 |
| | 4000 Hz | 88.20 | 0.00 | | 81.65 | 111.70 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -106.92 |
| | 8000 Hz | 78.80 | 0.00 | | 81.65 | 398.38 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -403.00 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.43 | 0.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.50 |
| | 63 Hz | 110.90 | 0.00 | | 80.43 | 0.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.34 |
| | 125 Hz | 108.00 | 0.00 | | 80.43 | 1.22 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.58 |
| | 250 Hz | 103.80 | 0.00 | | 80.43 | 3.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 18.51 |
| | 500 Hz | 101.90 | 0.00 | | 80.43 | 5.71 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.99 |
| | 1000 Hz | 98.90 | 0.00 | | 80.43 | 10.83 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.87 |
| | 2000 Hz | 94.60 | 0.00 | | 80.43 | 28.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -16.22 |
| | 4000 Hz | 88.20 | 0.00 | | 80.43 | 97.06 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -91.06 |
| | 8000 Hz | 78.80 | 0.00 | | 80.43 | 346.17 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -349.57 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.08 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.84 |
| | 63 Hz | 110.90 | 0.00 | | 81.08 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 27.66 |
| | 125 Hz | 108.00 | 0.00 | | 81.08 | 1.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.83 |
| | 250 Hz | 103.80 | 0.00 | | 81.08 | 3.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.61 |
| | 500 Hz | 101.90 | 0.00 | | 81.08 | 6.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 12.89 |
| | 1000 Hz | 98.90 | 0.00 | | 81.08 | 11.68 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 4.36 |
| | 2000 Hz | 94.60 | 0.00 | | 81.08 | 30.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -19.12 |
| | 4000 Hz | 88.20 | 0.00 | | 81.08 | 104.67 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -99.33 |
| | 8000 Hz | 78.80 | 0.00 | | 81.08 | 373.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -377.38 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 79.36 | 0.08 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | | 33.66 |
| | 63 Hz | 110.90 | 0.00 | | 79.36 | 0.32 | -3.00 | 0.00 | 0.00 | 4.62 | 0.00 | | 29.60 |
| | 125 Hz | 108.00 | 0.00 | | 79.36 | 1.08 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | | 26.10 |
| | 250 Hz | 103.80 | 0.00 | | 79.36 | 2.73 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 20.58 |
| | 500 Hz | 101.90 | 0.00 | | 79.36 | 5.05 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | | 17.13 |
| | 1000 Hz | 98.90 | 0.00 | | 79.36 | 9.58 | -3.00 | 0.00 | 0.00 | 1.26 | 0.00 | | 11.70 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 94.60 | 0.00 | | 79.36 | 25.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.07 |
| | 4000 Hz | 88.20 | 0.00 | | 79.36 | 85.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.99 |
| | 8000 Hz | 78.80 | 0.00 | | 79.36 | 306.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -303.67 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 72.79 | 0.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 52.37 |
| | 63 Hz | 122.10 | 0.00 | | 72.79 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 52.16 |
| | 125 Hz | 115.00 | 0.00 | | 72.79 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.70 |
| | 250 Hz | 108.00 | 0.00 | | 72.79 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.92 |
| | 500 Hz | 103.90 | 0.00 | | 72.79 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.74 |
| | 1000 Hz | 101.60 | 0.00 | | 72.79 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.31 |
| | 2000 Hz | 96.70 | 0.00 | | 72.79 | 11.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.02 |
| | 4000 Hz | 88.60 | 0.00 | | 72.79 | 40.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.49 |
| | 8000 Hz | 80.90 | 0.00 | | 72.79 | 143.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.61 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 74.75 | 0.19 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | | 37.11 |
| | 125 Hz | 109.80 | 0.00 | | 74.75 | 0.63 | -3.00 | 0.00 | 0.00 | 1.57 | 0.00 | | 35.84 |
| | 250 Hz | 107.40 | 0.00 | | 74.75 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.04 |
| | 500 Hz | 101.60 | 0.00 | | 74.75 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.88 |
| | 1000 Hz | 94.50 | 0.00 | | 74.75 | 5.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.11 |
| | 2000 Hz | 88.00 | 0.00 | | 74.75 | 14.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.36 |
| | 4000 Hz | 85.30 | 0.00 | | 74.75 | 50.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.95 |
| | 8000 Hz | 79.90 | 0.00 | | 74.75 | 180.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -171.96 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 75.42 | 0.20 | -3.00 | 0.00 | 0.00 | 0.62 | 0.00 | | 40.35 |
| | 125 Hz | 110.80 | 0.00 | | 75.42 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.69 |
| | 250 Hz | 105.10 | 0.00 | | 75.42 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.94 |
| | 500 Hz | 102.60 | 0.00 | | 75.42 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.97 |
| | 1000 Hz | 99.60 | 0.00 | | 75.42 | 6.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.09 |
| | 2000 Hz | 93.10 | 0.00 | | 75.42 | 16.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.59 |
| | 4000 Hz | 80.70 | 0.00 | | 75.42 | 54.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.27 |
| | 8000 Hz | 77.00 | 0.00 | | 75.42 | 194.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -189.97 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 76.20 | 0.22 | -3.00 | 0.00 | 0.00 | 1.41 | 0.00 | | 38.77 |
| | 125 Hz | 110.80 | 0.00 | | 76.20 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.86 |
| | 250 Hz | 105.10 | 0.00 | | 76.20 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.01 |
| | 500 Hz | 102.60 | 0.00 | | 76.20 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.90 |
| | 1000 Hz | 99.60 | 0.00 | | 76.20 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.75 |
| | 2000 Hz | 93.10 | 0.00 | | 76.20 | 17.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.32 |
| | 4000 Hz | 80.70 | 0.00 | | 76.20 | 59.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.12 |
| | 8000 Hz | 77.00 | 0.00 | | 76.20 | 212.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -208.85 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 76.87 | 0.24 | -3.00 | 0.00 | 0.00 | 0.17 | 0.00 | | 39.33 |
| | 125 Hz | 110.80 | 0.00 | | 76.87 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.12 |
| | 250 Hz | 105.10 | 0.00 | | 76.87 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.18 |
| | 500 Hz | 102.60 | 0.00 | | 76.87 | 3.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.94 |
| | 1000 Hz | 99.60 | 0.00 | | 76.87 | 7.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.54 |
| | 2000 Hz | 93.10 | 0.00 | | 76.87 | 19.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.23 |
| | 4000 Hz | 80.70 | 0.00 | | 76.87 | 64.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.59 |
| | 8000 Hz | 77.00 | 0.00 | | 76.87 | 229.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -226.64 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 73.63 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.61 |
| | 125 Hz | 104.80 | 0.00 | | 73.63 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.62 |
| | 250 Hz | 99.40 | 0.00 | | 73.63 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.36 |
| | 500 Hz | 95.00 | 0.00 | | 73.63 | 2.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.76 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 93.20 | 0.00 | | 73.63 | 4.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.62 |
| | 2000 Hz | 89.10 | 0.00 | | 73.63 | 13.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.39 |
| | 4000 Hz | 83.90 | 0.00 | | 73.63 | 44.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.08 |
| | 8000 Hz | 82.20 | 0.00 | | 73.63 | 158.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -146.62 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.45 | 0.91 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 25.16 |
| | 125 Hz | 111.00 | 0.00 | | 88.45 | 3.06 | -3.00 | 0.00 | 0.00 | 2.53 | 0.00 | | 19.96 |
| | 250 Hz | 106.60 | 0.00 | | 88.45 | 7.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.38 |
| | 500 Hz | 103.70 | 0.00 | | 88.45 | 14.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.89 |
| | 1000 Hz | 99.80 | 0.00 | | 88.45 | 27.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.90 |
| | 2000 Hz | 95.60 | 0.00 | | 88.45 | 72.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.87 |
| | 4000 Hz | 86.90 | 0.00 | | 88.45 | 244.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.80 |
| | 8000 Hz | 65.40 | 0.00 | | 88.45 | 871.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -891.22 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.87 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.58 |
| | 125 Hz | 111.00 | 0.00 | | 87.87 | 2.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.26 |
| | 250 Hz | 106.60 | 0.00 | | 87.87 | 7.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.45 |
| | 500 Hz | 103.70 | 0.00 | | 87.87 | 13.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.38 |
| | 1000 Hz | 99.80 | 0.00 | | 87.87 | 25.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.58 |
| | 2000 Hz | 95.60 | 0.00 | | 87.87 | 67.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.69 |
| | 4000 Hz | 86.90 | 0.00 | | 87.87 | 228.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -226.59 |
| | 8000 Hz | 65.40 | 0.00 | | 87.87 | 815.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -834.86 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.68 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.88 |
| | 125 Hz | 111.00 | 0.00 | | 86.68 | 2.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.82 |
| | 250 Hz | 106.60 | 0.00 | | 86.68 | 6.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.58 |
| | 500 Hz | 103.70 | 0.00 | | 86.68 | 11.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.30 |
| | 1000 Hz | 99.80 | 0.00 | | 86.68 | 22.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.12 |
| | 2000 Hz | 95.60 | 0.00 | | 86.68 | 58.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.86 |
| | 4000 Hz | 86.90 | 0.00 | | 86.68 | 199.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -196.10 |
| | 8000 Hz | 65.40 | 0.00 | | 86.68 | 710.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -729.20 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.54 | 0.73 | -3.00 | 0.00 | 0.00 | 3.30 | 0.00 | | 27.33 |
| | 125 Hz | 110.20 | 0.00 | | 86.54 | 2.46 | -3.00 | 0.00 | 0.00 | 1.11 | 0.00 | | 23.09 |
| | 250 Hz | 105.30 | 0.00 | | 86.54 | 6.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.51 |
| | 500 Hz | 102.70 | 0.00 | | 86.54 | 11.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.62 |
| | 1000 Hz | 99.80 | 0.00 | | 86.54 | 21.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.64 |
| | 2000 Hz | 95.50 | 0.00 | | 86.54 | 57.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.90 |
| | 4000 Hz | 84.90 | 0.00 | | 86.54 | 196.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.85 |
| | 8000 Hz | 61.80 | 0.00 | | 86.54 | 699.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -721.56 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.54 | 0.73 | -3.00 | 0.00 | 0.00 | 2.94 | 0.00 | | 27.70 |
| | 125 Hz | 110.20 | 0.00 | | 86.54 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.21 |
| | 250 Hz | 105.30 | 0.00 | | 86.54 | 6.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.52 |
| | 500 Hz | 102.70 | 0.00 | | 86.54 | 11.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.63 |
| | 1000 Hz | 99.80 | 0.00 | | 86.54 | 21.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.61 |
| | 2000 Hz | 95.50 | 0.00 | | 86.54 | 57.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.85 |
| | 4000 Hz | 84.90 | 0.00 | | 86.54 | 196.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.68 |
| | 8000 Hz | 61.80 | 0.00 | | 86.54 | 699.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -720.97 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.67 | 0.66 | -3.00 | 0.00 | 0.00 | 3.15 | 0.00 | | 28.83 |
| | 125 Hz | 111.00 | 0.00 | | 85.67 | 2.23 | -3.00 | 0.00 | 0.00 | 0.57 | 0.00 | | 25.53 |
| | 250 Hz | 106.60 | 0.00 | | 85.67 | 5.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.28 |
| | 500 Hz | 103.70 | 0.00 | | 85.67 | 10.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.59 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.80 | 0.00 | | 85.67 | 19.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.67 |
| | 2000 Hz | 95.60 | 0.00 | | 85.67 | 52.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.40 |
| | 4000 Hz | 86.90 | 0.00 | | 85.67 | 177.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -173.22 |
| | 8000 Hz | 65.40 | 0.00 | | 85.67 | 632.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -650.18 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.65 | 0.66 | -3.00 | 0.00 | 0.00 | 2.88 | 0.00 | 29.11 |
| | 125 Hz | 111.00 | 0.00 | | 85.65 | 2.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.13 |
| | 250 Hz | 106.60 | 0.00 | | 85.65 | 5.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.31 |
| | 500 Hz | 103.70 | 0.00 | | 85.65 | 10.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.63 |
| | 1000 Hz | 99.80 | 0.00 | | 85.65 | 19.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.62 |
| | 2000 Hz | 95.60 | 0.00 | | 85.65 | 52.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.28 |
| | 4000 Hz | 86.90 | 0.00 | | 85.65 | 177.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -172.87 |
| | 8000 Hz | 65.40 | 0.00 | | 85.65 | 631.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -648.98 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 71.95 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.71 |
| | 125 Hz | 104.80 | 0.00 | | 71.95 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.39 |
| | 250 Hz | 101.20 | 0.00 | | 71.95 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.08 |
| | 500 Hz | 96.80 | 0.00 | | 71.95 | 2.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.69 |
| | 1000 Hz | 92.70 | 0.00 | | 71.95 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.66 |
| | 2000 Hz | 90.50 | 0.00 | | 71.95 | 10.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.76 |
| | 4000 Hz | 84.90 | 0.00 | | 71.95 | 36.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.64 |
| | 8000 Hz | 70.70 | 0.00 | | 71.95 | 130.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -128.74 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 78.07 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.86 |
| | 125 Hz | 106.90 | 0.00 | | 78.07 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.90 |
| | 250 Hz | 104.10 | 0.00 | | 78.07 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.68 |
| | 500 Hz | 100.40 | 0.00 | | 78.07 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.98 |
| | 1000 Hz | 96.10 | 0.00 | | 78.07 | 8.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.78 |
| | 2000 Hz | 90.70 | 0.00 | | 78.07 | 21.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.18 |
| | 4000 Hz | 83.90 | 0.00 | | 78.07 | 73.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -65.13 |
| | 8000 Hz | 75.80 | 0.00 | | 78.07 | 263.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -263.06 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.37 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.57 |
| | 125 Hz | 108.80 | 0.00 | | 77.37 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.57 |
| | 250 Hz | 106.10 | 0.00 | | 77.37 | 2.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.55 |
| | 500 Hz | 102.40 | 0.00 | | 77.37 | 4.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.01 |
| | 1000 Hz | 98.10 | 0.00 | | 77.37 | 7.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.11 |
| | 2000 Hz | 92.80 | 0.00 | | 77.37 | 20.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.71 |
| | 4000 Hz | 85.90 | 0.00 | | 77.37 | 68.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.75 |
| | 8000 Hz | 77.90 | 0.00 | | 77.37 | 243.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -240.00 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 74.94 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.06 |
| | 125 Hz | 106.90 | 0.00 | | 74.94 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.31 |
| | 250 Hz | 104.10 | 0.00 | | 74.94 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.51 |
| | 500 Hz | 100.40 | 0.00 | | 74.94 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.42 |
| | 1000 Hz | 96.10 | 0.00 | | 74.94 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.40 |
| | 2000 Hz | 90.70 | 0.00 | | 74.94 | 15.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.53 |
| | 4000 Hz | 83.90 | 0.00 | | 74.94 | 51.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.66 |
| | 8000 Hz | 75.80 | 0.00 | | 74.94 | 184.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -180.25 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 69.45 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.65 |
| | 125 Hz | 108.80 | 0.00 | | 69.45 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.00 |
| | 250 Hz | 106.10 | 0.00 | | 69.45 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.78 |
| | 500 Hz | 102.40 | 0.00 | | 69.45 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.34 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 98.10 | 0.00 | | 69.45 | 3.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.59 |
| | 2000 Hz | 92.80 | 0.00 | | 69.45 | 8.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.26 |
| | 4000 Hz | 85.90 | 0.00 | | 69.45 | 27.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.98 |
| | 8000 Hz | 77.90 | 0.00 | | 69.45 | 97.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.37 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.81 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.14 |
| | 125 Hz | 110.70 | 0.00 | | 72.81 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.38 |
| | 250 Hz | 108.00 | 0.00 | | 72.81 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.90 |
| | 500 Hz | 104.50 | 0.00 | | 72.81 | 2.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 1000 Hz | 100.10 | 0.00 | | 72.81 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.78 |
| | 2000 Hz | 94.80 | 0.00 | | 72.81 | 11.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.08 |
| | 4000 Hz | 87.90 | 0.00 | | 72.81 | 40.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.30 |
| | 8000 Hz | 79.90 | 0.00 | | 72.81 | 144.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.96 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 74.11 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.02 |
| | 125 Hz | 110.90 | 0.00 | | 74.11 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.20 |
| | 250 Hz | 108.10 | 0.00 | | 74.11 | 1.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.50 |
| | 500 Hz | 104.40 | 0.00 | | 74.11 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.53 |
| | 1000 Hz | 100.10 | 0.00 | | 74.11 | 5.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.76 |
| | 2000 Hz | 94.80 | 0.00 | | 74.11 | 13.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.87 |
| | 4000 Hz | 88.00 | 0.00 | | 74.11 | 46.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.99 |
| | 8000 Hz | 80.00 | 0.00 | | 74.11 | 167.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.31 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.84 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.04 |
| | 125 Hz | 110.70 | 0.00 | | 75.84 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.14 |
| | 250 Hz | 108.00 | 0.00 | | 75.84 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.33 |
| | 500 Hz | 104.50 | 0.00 | | 75.84 | 3.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.29 |
| | 1000 Hz | 100.10 | 0.00 | | 75.84 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.87 |
| | 2000 Hz | 94.80 | 0.00 | | 75.84 | 16.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.07 |
| | 4000 Hz | 87.90 | 0.00 | | 75.84 | 57.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.19 |
| | 8000 Hz | 79.90 | 0.00 | | 75.84 | 204.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.14 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 75.74 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.35 |
| | 125 Hz | 110.90 | 0.00 | | 75.74 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.45 |
| | 250 Hz | 108.10 | 0.00 | | 75.74 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.56 |
| | 500 Hz | 104.40 | 0.00 | | 75.74 | 3.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.33 |
| | 1000 Hz | 100.10 | 0.00 | | 75.74 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.05 |
| | 2000 Hz | 94.80 | 0.00 | | 75.74 | 16.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.38 |
| | 4000 Hz | 88.00 | 0.00 | | 75.74 | 56.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.30 |
| | 8000 Hz | 80.00 | 0.00 | | 75.74 | 201.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.49 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 77.69 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.14 |
| | 125 Hz | 110.70 | 0.00 | | 77.69 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.12 |
| | 250 Hz | 108.00 | 0.00 | | 77.69 | 2.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.05 |
| | 500 Hz | 104.50 | 0.00 | | 77.69 | 4.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.64 |
| | 1000 Hz | 100.10 | 0.00 | | 77.69 | 7.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.50 |
| | 2000 Hz | 94.80 | 0.00 | | 77.69 | 20.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.78 |
| | 4000 Hz | 87.90 | 0.00 | | 77.69 | 70.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.63 |
| | 8000 Hz | 79.90 | 0.00 | | 77.69 | 252.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -247.46 |

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| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt022 | IP T | 380556.34 | | 5775862.97 | | 76.233 | | 43.72 | |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LfT |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.94 | 10.75 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.42 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 58.02 | 0.43 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.61 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 73.57 | 2.59 | 4.74 | 0.00 | 0.00 | 0.05 | 0.00 | | 17.07 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 75.65 | 3.29 | 4.72 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.65 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LfT |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.09 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 20.94 |
| | 125 Hz | 102.50 | 0.00 | | 81.09 | 1.31 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 18.32 |
| | 250 Hz | 99.20 | 0.00 | | 81.09 | 3.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.00 |
| | 500 Hz | 96.00 | 0.00 | | 81.09 | 6.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 6.97 |
| | 1000 Hz | 92.30 | 0.00 | | 81.09 | 11.69 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -2.26 |
| | 2000 Hz | 89.10 | 0.00 | | 81.09 | 30.90 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -24.67 |
| | 4000 Hz | 85.30 | 0.00 | | 81.09 | 104.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -102.36 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.19 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.84 |
| | 125 Hz | 105.50 | 0.00 | | 81.19 | 1.33 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.21 |
| | 250 Hz | 102.20 | 0.00 | | 81.19 | 3.37 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.86 |
| | 500 Hz | 99.00 | 0.00 | | 81.19 | 6.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.80 |
| | 1000 Hz | 95.30 | 0.00 | | 81.19 | 11.83 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.51 |
| | 2000 Hz | 92.10 | 0.00 | | 81.19 | 31.25 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -22.11 |
| | 4000 Hz | 88.30 | 0.00 | | 81.19 | 105.98 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -100.64 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.87 | 0.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 35.63 |
| | 63 Hz | 116.40 | 0.00 | | 82.87 | 0.48 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.28 |
| | 125 Hz | 110.70 | 0.00 | | 82.87 | 1.61 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.45 |
| | 250 Hz | 104.40 | 0.00 | | 82.87 | 4.09 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.66 |
| | 500 Hz | 101.20 | 0.00 | | 82.87 | 7.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 9.00 |
| | 1000 Hz | 99.40 | 0.00 | | 82.87 | 14.35 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.41 |
| | 2000 Hz | 93.80 | 0.00 | | 82.87 | 37.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.76 |
| | 4000 Hz | 86.70 | 0.00 | | 82.87 | 128.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -126.52 |
| | 8000 Hz | 78.40 | 0.00 | | 82.87 | 458.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -464.82 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 75.03 | 0.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.32 |
| | 63 Hz | 116.40 | 0.00 | | 75.03 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.18 |
| | 125 Hz | 110.70 | 0.00 | | 75.03 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.02 |
| | 250 Hz | 104.40 | 0.00 | | 75.03 | 1.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.71 |
| | 500 Hz | 101.20 | 0.00 | | 75.03 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.10 |
| | 1000 Hz | 99.40 | 0.00 | | 75.03 | 5.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.55 |
| | 2000 Hz | 93.80 | 0.00 | | 75.03 | 15.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.40 |
| | 4000 Hz | 86.70 | 0.00 | | 75.03 | 52.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.46 |
| | 8000 Hz | 78.40 | 0.00 | | 75.03 | 185.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -179.57 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.69 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 36.83 |
| | 63 Hz | 116.40 | 0.00 | | 81.69 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.53 |
| | 125 Hz | 110.70 | 0.00 | | 81.69 | 1.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.83 |
| | 250 Hz | 104.40 | 0.00 | | 81.69 | 3.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.37 |
| | 500 Hz | 101.20 | 0.00 | | 81.69 | 6.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.14 |
| | 1000 Hz | 99.40 | 0.00 | | 81.69 | 12.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 3.42 |
| | 2000 Hz | 93.80 | 0.00 | | 81.69 | 33.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -22.74 |
| | 4000 Hz | 86.70 | 0.00 | | 81.69 | 112.19 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -108.94 |
| | 8000 Hz | 78.40 | 0.00 | | 81.69 | 400.13 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -405.18 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 31.5 Hz | 120.40 | 0.00 | | 82.40 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 36.11 |
| | 63 Hz | 116.40 | 0.00 | | 82.40 | 0.45 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 31.78 |
| | 125 Hz | 110.70 | 0.00 | | 82.40 | 1.53 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 25.01 |
| | 250 Hz | 104.40 | 0.00 | | 82.40 | 3.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 16.36 |
| | 500 Hz | 101.20 | 0.00 | | 82.40 | 7.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 9.87 |
| | 1000 Hz | 99.40 | 0.00 | | 82.40 | 13.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 1.65 |
| | 2000 Hz | 93.80 | 0.00 | | 82.40 | 35.89 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -26.26 |
| | 4000 Hz | 86.70 | 0.00 | | 82.40 | 121.72 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -119.18 |
| | 8000 Hz | 78.40 | 0.00 | | 82.40 | 434.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -439.88 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.93 | 0.09 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | 38.82 |
| | 63 Hz | 116.40 | 0.00 | | 79.93 | 0.34 | -3.00 | 0.00 | 0.00 | 4.34 | 0.00 | 34.79 |
| | 125 Hz | 110.70 | 0.00 | | 79.93 | 1.15 | -3.00 | 0.00 | 0.00 | 3.87 | 0.00 | 28.75 |
| | 250 Hz | 104.40 | 0.00 | | 79.93 | 2.92 | -3.00 | 0.00 | 0.00 | 2.73 | 0.00 | 21.82 |
| | 500 Hz | 101.20 | 0.00 | | 79.93 | 5.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.87 |
| | 1000 Hz | 99.40 | 0.00 | | 79.93 | 10.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.23 |
| | 2000 Hz | 93.80 | 0.00 | | 79.93 | 27.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.17 |
| | 4000 Hz | 86.70 | 0.00 | | 79.93 | 91.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -81.92 |
| | 8000 Hz | 78.40 | 0.00 | | 79.93 | 326.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -325.53 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.58 | 0.10 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | 38.16 |
| | 63 Hz | 116.40 | 0.00 | | 80.58 | 0.37 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | 34.11 |
| | 125 Hz | 110.70 | 0.00 | | 80.58 | 1.24 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | 28.00 |
| | 250 Hz | 104.40 | 0.00 | | 80.58 | 3.14 | -3.00 | 0.00 | 0.00 | 2.78 | 0.00 | 20.91 |
| | 500 Hz | 101.20 | 0.00 | | 80.58 | 5.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.82 |
| | 1000 Hz | 99.40 | 0.00 | | 80.58 | 11.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.81 |
| | 2000 Hz | 93.80 | 0.00 | | 80.58 | 29.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.89 |
| | 4000 Hz | 86.70 | 0.00 | | 80.58 | 98.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.59 |
| | 8000 Hz | 78.40 | 0.00 | | 80.58 | 352.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -351.25 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.13 | 0.12 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 36.40 |
| | 63 Hz | 116.40 | 0.00 | | 82.13 | 0.44 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | 32.09 |
| | 125 Hz | 110.70 | 0.00 | | 82.13 | 1.48 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | 25.39 |
| | 250 Hz | 104.40 | 0.00 | | 82.13 | 3.76 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | 16.88 |
| | 500 Hz | 101.20 | 0.00 | | 82.13 | 6.94 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | 10.65 |
| | 1000 Hz | 99.40 | 0.00 | | 82.13 | 13.18 | -3.00 | 0.00 | 0.00 | 4.16 | 0.00 | 2.93 |
| | 2000 Hz | 93.80 | 0.00 | | 82.13 | 34.82 | -3.00 | 0.00 | 0.00 | 3.45 | 0.00 | -23.60 |
| | 4000 Hz | 86.70 | 0.00 | | 82.13 | 118.08 | -3.00 | 0.00 | 0.00 | 1.53 | 0.00 | -112.04 |
| | 8000 Hz | 78.40 | 0.00 | | 82.13 | 421.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -421.88 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.44 | 0.11 | -3.00 | 0.00 | 0.00 | 3.74 | 0.00 | 38.11 |
| | 63 Hz | 116.40 | 0.00 | | 81.44 | 0.40 | -3.00 | 0.00 | 0.00 | 2.40 | 0.00 | 35.16 |
| | 125 Hz | 110.70 | 0.00 | | 81.44 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.90 |
| | 250 Hz | 104.40 | 0.00 | | 81.44 | 3.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.49 |
| | 500 Hz | 101.20 | 0.00 | | 81.44 | 6.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.35 |
| | 1000 Hz | 99.40 | 0.00 | | 81.44 | 12.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.80 |
| | 2000 Hz | 93.80 | 0.00 | | 81.44 | 32.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.77 |
| | 4000 Hz | 86.70 | 0.00 | | 81.44 | 108.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.72 |
| | 8000 Hz | 78.40 | 0.00 | | 81.44 | 388.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -388.75 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 80.62 | 0.10 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | 36.03 |
| | 63 Hz | 113.10 | 0.00 | | 80.62 | 0.37 | -3.00 | 0.00 | 0.00 | 1.23 | 0.00 | 33.88 |
| | 125 Hz | 107.40 | 0.00 | | 80.62 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.54 |
| | 250 Hz | 101.10 | 0.00 | | 80.62 | 3.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.32 |
| | 500 Hz | 97.90 | 0.00 | | 80.62 | 5.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.45 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 96.10 | 0.00 | | 80.62 | 11.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.41 |
| | 2000 Hz | 90.50 | 0.00 | | 80.62 | 29.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.37 |
| | 4000 Hz | 83.40 | 0.00 | | 80.62 | 99.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -93.41 |
| | 8000 Hz | 75.10 | 0.00 | | 80.62 | 353.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -356.30 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.97 | 0.11 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | 37.25 |
| | 63 Hz | 116.40 | 0.00 | | 81.97 | 0.43 | -3.00 | 0.00 | 0.00 | 3.23 | 0.00 | 33.77 |
| | 125 Hz | 110.70 | 0.00 | | 81.97 | 1.45 | -3.00 | 0.00 | 0.00 | 0.87 | 0.00 | 29.40 |
| | 250 Hz | 104.40 | 0.00 | | 81.97 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.74 |
| | 500 Hz | 101.20 | 0.00 | | 81.97 | 6.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.41 |
| | 1000 Hz | 99.40 | 0.00 | | 81.97 | 12.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.49 |
| | 2000 Hz | 93.80 | 0.00 | | 81.97 | 34.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.35 |
| | 4000 Hz | 86.70 | 0.00 | | 81.97 | 115.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -108.18 |
| | 8000 Hz | 78.40 | 0.00 | | 81.97 | 413.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -413.97 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.92 | 0.13 | -3.00 | 0.00 | 0.00 | 4.70 | 0.00 | 35.66 |
| | 63 Hz | 116.40 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 4.62 | 0.00 | 31.38 |
| | 125 Hz | 110.70 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 4.47 | 0.00 | 24.69 |
| | 250 Hz | 104.40 | 0.00 | | 82.92 | 4.12 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | 16.22 |
| | 500 Hz | 101.20 | 0.00 | | 82.92 | 7.60 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | 10.27 |
| | 1000 Hz | 99.40 | 0.00 | | 82.92 | 14.43 | -3.00 | 0.00 | 0.00 | 1.40 | 0.00 | 3.66 |
| | 2000 Hz | 93.80 | 0.00 | | 82.92 | 38.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.24 |
| | 4000 Hz | 86.70 | 0.00 | | 82.92 | 129.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -122.50 |
| | 8000 Hz | 78.40 | 0.00 | | 82.92 | 461.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -462.61 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.94 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| | 125 Hz | 104.80 | 0.00 | | 86.94 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.29 |
| | 250 Hz | 101.50 | 0.00 | | 86.94 | 6.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.02 |
| | 500 Hz | 97.10 | 0.00 | | 86.94 | 12.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 |
| | 1000 Hz | 91.00 | 0.00 | | 86.94 | 22.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.86 |
| | 2000 Hz | 86.30 | 0.00 | | 86.94 | 60.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.19 |
| | 4000 Hz | 80.30 | 0.00 | | 86.94 | 205.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -208.99 |
| | 8000 Hz | 74.00 | 0.00 | | 86.94 | 732.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -742.36 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.38 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.41 |
| | 63 Hz | 113.00 | 0.00 | | 87.38 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.82 |
| | 125 Hz | 108.60 | 0.00 | | 87.38 | 2.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.51 |
| | 250 Hz | 105.70 | 0.00 | | 87.38 | 6.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.45 |
| | 500 Hz | 101.70 | 0.00 | | 87.38 | 12.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.62 |
| | 1000 Hz | 95.50 | 0.00 | | 87.38 | 24.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.98 |
| | 2000 Hz | 89.70 | 0.00 | | 87.38 | 63.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.37 |
| | 4000 Hz | 82.20 | 0.00 | | 87.38 | 215.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -218.17 |
| | 8000 Hz | 74.00 | 0.00 | | 87.38 | 770.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -780.75 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.45 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.34 |
| | 63 Hz | 113.00 | 0.00 | | 87.45 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.74 |
| | 125 Hz | 108.60 | 0.00 | | 87.45 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.42 |
| | 250 Hz | 105.70 | 0.00 | | 87.45 | 6.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.32 |
| | 500 Hz | 101.70 | 0.00 | | 87.45 | 12.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.44 |
| | 1000 Hz | 95.50 | 0.00 | | 87.45 | 24.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.26 |
| | 2000 Hz | 89.70 | 0.00 | | 87.45 | 64.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.98 |
| | 4000 Hz | 82.20 | 0.00 | | 87.45 | 217.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -220.06 |
| | 8000 Hz | 74.00 | 0.00 | | 87.45 | 776.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -787.31 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | |
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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 114.90 | 0.00 | | 85.38 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.36 |
| | 63 Hz | 111.30 | 0.00 | | 85.38 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.29 |
| | 125 Hz | 107.40 | 0.00 | | 85.38 | 2.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.87 |
| | 250 Hz | 102.80 | 0.00 | | 85.38 | 5.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.96 |
| | 500 Hz | 99.70 | 0.00 | | 85.38 | 10.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.24 |
| | 1000 Hz | 96.60 | 0.00 | | 85.38 | 19.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.92 |
| | 2000 Hz | 91.70 | 0.00 | | 85.38 | 50.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.26 |
| | 4000 Hz | 85.00 | 0.00 | | 85.38 | 171.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -168.92 |
| | 8000 Hz | 87.30 | 0.00 | | 85.38 | 611.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -606.90 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.29 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.81 |
| | 125 Hz | 108.60 | 0.00 | | 87.29 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.62 |
| | 250 Hz | 103.40 | 0.00 | | 87.29 | 6.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.29 |
| | 500 Hz | 99.10 | 0.00 | | 87.29 | 12.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.22 |
| | 1000 Hz | 98.00 | 0.00 | | 87.29 | 23.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.17 |
| | 2000 Hz | 89.80 | 0.00 | | 87.29 | 63.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.59 |
| | 4000 Hz | 85.30 | 0.00 | | 87.29 | 213.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.95 |
| | 8000 Hz | 80.10 | 0.00 | | 87.29 | 763.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -767.30 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.13 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.27 |
| | 63 Hz | 112.30 | 0.00 | | 87.13 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.39 |
| | 125 Hz | 108.10 | 0.00 | | 87.13 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.34 |
| | 250 Hz | 103.50 | 0.00 | | 87.13 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.69 |
| | 500 Hz | 100.70 | 0.00 | | 87.13 | 12.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.23 |
| | 1000 Hz | 98.30 | 0.00 | | 87.13 | 23.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.25 |
| | 2000 Hz | 93.80 | 0.00 | | 87.13 | 61.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.21 |
| | 4000 Hz | 86.20 | 0.00 | | 87.13 | 209.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -207.78 |
| | 8000 Hz | 78.20 | 0.00 | | 87.13 | 748.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -754.40 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.76 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.65 |
| | 63 Hz | 111.70 | 0.00 | | 86.76 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.20 |
| | 125 Hz | 106.40 | 0.00 | | 86.76 | 2.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.12 |
| | 250 Hz | 102.10 | 0.00 | | 86.76 | 6.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.94 |
| | 500 Hz | 99.10 | 0.00 | | 86.76 | 11.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.51 |
| | 1000 Hz | 96.90 | 0.00 | | 86.76 | 22.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.30 |
| | 2000 Hz | 90.50 | 0.00 | | 86.76 | 59.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.57 |
| | 4000 Hz | 81.00 | 0.00 | | 86.76 | 201.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.89 |
| | 8000 Hz | 76.50 | 0.00 | | 86.76 | 717.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -724.61 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.78 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.50 |
| | 63 Hz | 110.40 | 0.00 | | 87.78 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 125 Hz | 107.20 | 0.00 | | 87.78 | 2.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.58 |
| | 250 Hz | 101.70 | 0.00 | | 87.78 | 7.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.71 |
| | 500 Hz | 98.20 | 0.00 | | 87.78 | 13.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.11 |
| | 1000 Hz | 95.60 | 0.00 | | 87.78 | 25.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.44 |
| | 2000 Hz | 93.70 | 0.00 | | 87.78 | 66.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.81 |
| | 4000 Hz | 90.70 | 0.00 | | 87.78 | 226.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.38 |
| | 8000 Hz | 79.50 | 0.00 | | 87.78 | 807.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -812.39 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.13 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.53 |
| | 63 Hz | 111.60 | 0.00 | | 84.13 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.92 |
| | 125 Hz | 108.60 | 0.00 | | 84.13 | 1.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.61 |
| | 250 Hz | 106.50 | 0.00 | | 84.13 | 4.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.64 |
| | 500 Hz | 102.90 | 0.00 | | 84.13 | 8.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.03 |
| | 1000 Hz | 99.60 | 0.00 | | 84.13 | 16.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.89 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 95.90 | 0.00 | | 84.13 | 43.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.05 |
| | 4000 Hz | 90.10 | 0.00 | | 84.13 | 148.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -139.64 |
| | 8000 Hz | 76.30 | 0.00 | | 84.13 | 530.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -534.88 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 84.18 | 0.15 | -3.00 | 0.00 | 0.00 | 1.46 | 0.00 | 31.01 |
| | 63 Hz | 111.60 | 0.00 | | 84.18 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.86 |
| | 125 Hz | 108.60 | 0.00 | | 84.18 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.54 |
| | 250 Hz | 106.50 | 0.00 | | 84.18 | 4.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.56 |
| | 500 Hz | 102.90 | 0.00 | | 84.18 | 8.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.92 |
| | 1000 Hz | 99.60 | 0.00 | | 84.18 | 16.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 |
| | 2000 Hz | 95.90 | 0.00 | | 84.18 | 44.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -29.38 |
| | 4000 Hz | 90.10 | 0.00 | | 84.18 | 149.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -140.63 |
| | 8000 Hz | 76.30 | 0.00 | | 84.18 | 533.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -538.25 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.96 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.71 |
| | 63 Hz | 111.60 | 0.00 | | 82.96 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.15 |
| | 125 Hz | 108.60 | 0.00 | | 82.96 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.01 |
| | 250 Hz | 106.50 | 0.00 | | 82.96 | 4.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.40 |
| | 500 Hz | 102.90 | 0.00 | | 82.96 | 7.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.29 |
| | 1000 Hz | 99.60 | 0.00 | | 82.96 | 14.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 |
| | 2000 Hz | 95.90 | 0.00 | | 82.96 | 38.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.38 |
| | 4000 Hz | 90.10 | 0.00 | | 82.96 | 129.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -119.81 |
| | 8000 Hz | 76.30 | 0.00 | | 82.96 | 463.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -467.15 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.60 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.08 |
| | 63 Hz | 111.60 | 0.00 | | 82.60 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.54 |
| | 125 Hz | 108.60 | 0.00 | | 82.60 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.44 |
| | 250 Hz | 106.50 | 0.00 | | 82.60 | 3.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.94 |
| | 500 Hz | 102.90 | 0.00 | | 82.60 | 7.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.98 |
| | 1000 Hz | 99.60 | 0.00 | | 82.60 | 13.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.11 |
| | 2000 Hz | 95.90 | 0.00 | | 82.60 | 36.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.42 |
| | 4000 Hz | 90.10 | 0.00 | | 82.60 | 124.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -114.04 |
| | 8000 Hz | 76.30 | 0.00 | | 82.60 | 444.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -447.52 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.69 | 0.12 | -3.00 | 0.00 | 0.00 | 1.41 | 0.00 | 32.57 |
| | 63 Hz | 111.60 | 0.00 | | 82.69 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.44 |
| | 125 Hz | 108.60 | 0.00 | | 82.69 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.33 |
| | 250 Hz | 106.50 | 0.00 | | 82.69 | 4.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.80 |
| | 500 Hz | 102.90 | 0.00 | | 82.69 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.80 |
| | 1000 Hz | 99.60 | 0.00 | | 82.69 | 14.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.85 |
| | 2000 Hz | 95.90 | 0.00 | | 82.69 | 37.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.94 |
| | 4000 Hz | 90.10 | 0.00 | | 82.69 | 125.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -115.56 |
| | 8000 Hz | 76.30 | 0.00 | | 82.69 | 449.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -452.68 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.41 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.29 |
| | 63 Hz | 111.60 | 0.00 | | 81.41 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.79 |
| | 125 Hz | 108.60 | 0.00 | | 81.41 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.83 |
| | 250 Hz | 106.50 | 0.00 | | 81.41 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.64 |
| | 500 Hz | 102.90 | 0.00 | | 81.41 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.11 |
| | 1000 Hz | 99.60 | 0.00 | | 81.41 | 12.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.07 |
| | 2000 Hz | 95.90 | 0.00 | | 81.41 | 32.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.53 |
| | 4000 Hz | 90.10 | 0.00 | | 81.41 | 108.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -96.91 |
| | 8000 Hz | 76.30 | 0.00 | | 81.41 | 387.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -389.47 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 113.80 | 0.00 | | 80.95 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.75 |
| | 63 Hz | 111.60 | 0.00 | | 80.95 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.26 |
| | 125 Hz | 108.60 | 0.00 | | 80.95 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.35 |
| | 250 Hz | 106.50 | 0.00 | | 80.95 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.27 |
| | 500 Hz | 102.90 | 0.00 | | 80.95 | 6.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.88 |
| | 1000 Hz | 99.60 | 0.00 | | 80.95 | 11.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.14 |
| | 2000 Hz | 95.90 | 0.00 | | 80.95 | 30.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.45 |
| | 4000 Hz | 90.10 | 0.00 | | 80.95 | 103.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -90.94 |
| | 8000 Hz | 76.30 | 0.00 | | 80.95 | 367.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -369.32 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.53 | 0.11 | -3.00 | 0.00 | 0.00 | 1.33 | 0.00 | | 33.84 |
| | 63 Hz | 111.60 | 0.00 | | 81.53 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.66 |
| | 125 Hz | 108.60 | 0.00 | | 81.53 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.69 |
| | 250 Hz | 106.50 | 0.00 | | 81.53 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.46 |
| | 500 Hz | 102.90 | 0.00 | | 81.53 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.89 |
| | 1000 Hz | 99.60 | 0.00 | | 81.53 | 12.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.77 |
| | 2000 Hz | 95.90 | 0.00 | | 81.53 | 32.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.12 |
| | 4000 Hz | 90.10 | 0.00 | | 81.53 | 110.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.61 |
| | 8000 Hz | 76.30 | 0.00 | | 81.53 | 392.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -395.20 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 84.82 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.52 |
| | 125 Hz | 5.20 | 0.00 | | 84.82 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.64 |
| | 250 Hz | 1.90 | 0.00 | | 84.82 | 5.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.04 |
| | 500 Hz | -1.30 | 0.00 | | 84.82 | 9.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.58 |
| | 1000 Hz | -5.00 | 0.00 | | 84.82 | 17.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.77 |
| | 2000 Hz | -8.20 | 0.00 | | 84.82 | 47.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -137.46 |
| | 4000 Hz | -12.00 | 0.00 | | 84.82 | 160.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -254.70 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 73.86 | 0.17 | -3.00 | 0.00 | 0.00 | 3.46 | 0.00 | | 33.71 |
| | 125 Hz | 106.50 | 0.00 | | 73.86 | 0.57 | -3.00 | 0.00 | 0.00 | 1.61 | 0.00 | | 33.46 |
| | 250 Hz | 103.20 | 0.00 | | 73.86 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.89 |
| | 500 Hz | 100.00 | 0.00 | | 73.86 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.46 |
| | 1000 Hz | 96.30 | 0.00 | | 73.86 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.36 |
| | 2000 Hz | 93.10 | 0.00 | | 73.86 | 13.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.81 |
| | 4000 Hz | 89.30 | 0.00 | | 73.86 | 45.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.10 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.72 | 0.11 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 31.20 |
| | 63 Hz | 110.90 | 0.00 | | 81.72 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 26.99 |
| | 125 Hz | 108.00 | 0.00 | | 81.72 | 1.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 23.10 |
| | 250 Hz | 103.80 | 0.00 | | 81.72 | 3.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 16.73 |
| | 500 Hz | 101.90 | 0.00 | | 81.72 | 6.62 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.79 |
| | 1000 Hz | 98.90 | 0.00 | | 81.72 | 12.56 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 2.85 |
| | 2000 Hz | 94.60 | 0.00 | | 81.72 | 33.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -22.09 |
| | 4000 Hz | 88.20 | 0.00 | | 81.72 | 112.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -107.88 |
| | 8000 Hz | 78.80 | 0.00 | | 81.72 | 401.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -406.26 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.50 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 32.43 |
| | 63 Hz | 110.90 | 0.00 | | 80.50 | 0.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 28.26 |
| | 125 Hz | 108.00 | 0.00 | | 80.50 | 1.23 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 24.50 |
| | 250 Hz | 103.80 | 0.00 | | 80.50 | 3.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 18.41 |
| | 500 Hz | 101.90 | 0.00 | | 80.50 | 5.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 13.87 |
| | 1000 Hz | 98.90 | 0.00 | | 80.50 | 10.92 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.70 |
| | 2000 Hz | 94.60 | 0.00 | | 80.50 | 28.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -16.53 |
| | 4000 Hz | 88.20 | 0.00 | | 80.50 | 97.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -91.95 |
| | 8000 Hz | 78.80 | 0.00 | | 80.50 | 349.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -352.55 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.15 | 0.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 31.78 |
| | 63 Hz | 110.90 | 0.00 | | 81.15 | 0.39 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 27.59 |
| | 125 Hz | 108.00 | 0.00 | | 81.15 | 1.32 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 23.76 |
| | 250 Hz | 103.80 | 0.00 | | 81.15 | 3.36 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 17.52 |
| | 500 Hz | 101.90 | 0.00 | | 81.15 | 6.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.78 |
| | 1000 Hz | 98.90 | 0.00 | | 81.15 | 11.77 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 4.21 |
| | 2000 Hz | 94.60 | 0.00 | | 81.15 | 31.10 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -19.42 |
| | 4000 Hz | 88.20 | 0.00 | | 81.15 | 105.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -100.19 |
| | 8000 Hz | 78.80 | 0.00 | | 81.15 | 376.16 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -380.28 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 79.44 | 0.08 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | 33.63 |
| | 63 Hz | 110.90 | 0.00 | | 79.44 | 0.32 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | 29.63 |
| | 125 Hz | 108.00 | 0.00 | | 79.44 | 1.09 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | 26.24 |
| | 250 Hz | 103.80 | 0.00 | | 79.44 | 2.76 | -3.00 | 0.00 | 0.00 | 3.62 | 0.00 | 20.99 |
| | 500 Hz | 101.90 | 0.00 | | 79.44 | 5.09 | -3.00 | 0.00 | 0.00 | 2.04 | 0.00 | 18.33 |
| | 1000 Hz | 98.90 | 0.00 | | 79.44 | 9.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.80 |
| | 2000 Hz | 94.60 | 0.00 | | 79.44 | 25.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.38 |
| | 4000 Hz | 88.20 | 0.00 | | 79.44 | 86.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -74.84 |
| | 8000 Hz | 78.80 | 0.00 | | 79.44 | 308.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -306.53 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 73.02 | 0.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52.14 |
| | 63 Hz | 122.10 | 0.00 | | 73.02 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51.93 |
| | 125 Hz | 115.00 | 0.00 | | 73.02 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.46 |
| | 250 Hz | 108.00 | 0.00 | | 73.02 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.66 |
| | 500 Hz | 103.90 | 0.00 | | 73.02 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.45 |
| | 1000 Hz | 101.60 | 0.00 | | 73.02 | 4.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.96 |
| | 2000 Hz | 96.70 | 0.00 | | 73.02 | 12.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.48 |
| | 4000 Hz | 88.60 | 0.00 | | 73.02 | 41.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.78 |
| | 8000 Hz | 80.90 | 0.00 | | 73.02 | 147.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -136.64 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 74.94 | 0.19 | -3.00 | 0.00 | 0.00 | 2.99 | 0.00 | 37.38 |
| | 125 Hz | 109.80 | 0.00 | | 74.94 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.22 |
| | 250 Hz | 107.40 | 0.00 | | 74.94 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.82 |
| | 500 Hz | 101.60 | 0.00 | | 74.94 | 3.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.63 |
| | 1000 Hz | 94.50 | 0.00 | | 74.94 | 5.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.81 |
| | 2000 Hz | 88.00 | 0.00 | | 74.94 | 15.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 |
| | 4000 Hz | 85.30 | 0.00 | | 74.94 | 51.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -38.20 |
| | 8000 Hz | 79.90 | 0.00 | | 74.94 | 183.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -175.95 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 75.58 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.81 |
| | 125 Hz | 110.80 | 0.00 | | 75.58 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.52 |
| | 250 Hz | 105.10 | 0.00 | | 75.58 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.75 |
| | 500 Hz | 102.60 | 0.00 | | 75.58 | 3.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.75 |
| | 1000 Hz | 99.60 | 0.00 | | 75.58 | 6.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.82 |
| | 2000 Hz | 93.10 | 0.00 | | 75.58 | 16.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.14 |
| | 4000 Hz | 80.70 | 0.00 | | 75.58 | 55.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.42 |
| | 8000 Hz | 77.00 | 0.00 | | 75.58 | 198.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -193.67 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 76.33 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.05 |
| | 125 Hz | 110.80 | 0.00 | | 76.33 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.71 |
| | 250 Hz | 105.10 | 0.00 | | 76.33 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.84 |
| | 500 Hz | 102.60 | 0.00 | | 76.33 | 3.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.71 |
| | 1000 Hz | 99.60 | 0.00 | | 76.33 | 6.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.52 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 93.10 | 0.00 | | 76.33 | 17.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.92 |
| | 4000 Hz | 80.70 | 0.00 | | 76.33 | 60.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.16 |
| | 8000 Hz | 77.00 | 0.00 | | 76.33 | 215.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.24 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 76.98 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.38 |
| | 125 Hz | 110.80 | 0.00 | | 76.98 | 0.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.00 |
| | 250 Hz | 105.10 | 0.00 | | 76.98 | 2.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.04 |
| | 500 Hz | 102.60 | 0.00 | | 76.98 | 3.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 1000 Hz | 99.60 | 0.00 | | 76.98 | 7.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.34 |
| | 2000 Hz | 93.10 | 0.00 | | 76.98 | 19.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.12 |
| | 4000 Hz | 80.70 | 0.00 | | 76.98 | 65.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.52 |
| | 8000 Hz | 77.00 | 0.00 | | 76.98 | 232.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.68 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 73.85 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.38 |
| | 125 Hz | 104.80 | 0.00 | | 73.85 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.38 |
| | 250 Hz | 99.40 | 0.00 | | 73.85 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.10 |
| | 500 Hz | 95.00 | 0.00 | | 73.85 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.47 |
| | 1000 Hz | 93.20 | 0.00 | | 73.85 | 5.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.27 |
| | 2000 Hz | 89.10 | 0.00 | | 73.85 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.83 |
| | 4000 Hz | 83.90 | 0.00 | | 73.85 | 45.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.46 |
| | 8000 Hz | 82.20 | 0.00 | | 73.85 | 162.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.98 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.48 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.91 |
| | 125 Hz | 111.00 | 0.00 | | 88.48 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.45 |
| | 250 Hz | 106.60 | 0.00 | | 88.48 | 7.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.32 |
| | 500 Hz | 103.70 | 0.00 | | 88.48 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.81 |
| | 1000 Hz | 99.80 | 0.00 | | 88.48 | 27.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.03 |
| | 2000 Hz | 95.60 | 0.00 | | 88.48 | 72.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.16 |
| | 4000 Hz | 86.90 | 0.00 | | 88.48 | 245.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -243.72 |
| | 8000 Hz | 65.40 | 0.00 | | 88.48 | 874.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -894.40 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.90 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.55 |
| | 125 Hz | 111.00 | 0.00 | | 87.90 | 2.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.22 |
| | 250 Hz | 106.60 | 0.00 | | 87.90 | 7.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.39 |
| | 500 Hz | 103.70 | 0.00 | | 87.90 | 13.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.30 |
| | 1000 Hz | 99.80 | 0.00 | | 87.90 | 25.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.71 |
| | 2000 Hz | 95.60 | 0.00 | | 87.90 | 67.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.96 |
| | 4000 Hz | 86.90 | 0.00 | | 87.90 | 229.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -227.45 |
| | 8000 Hz | 65.40 | 0.00 | | 87.90 | 818.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -837.86 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.72 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.84 |
| | 125 Hz | 111.00 | 0.00 | | 86.72 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.77 |
| | 250 Hz | 106.60 | 0.00 | | 86.72 | 6.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.51 |
| | 500 Hz | 103.70 | 0.00 | | 86.72 | 11.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.21 |
| | 1000 Hz | 99.80 | 0.00 | | 86.72 | 22.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.25 |
| | 2000 Hz | 95.60 | 0.00 | | 86.72 | 59.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.14 |
| | 4000 Hz | 86.90 | 0.00 | | 86.72 | 200.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -196.97 |
| | 8000 Hz | 65.40 | 0.00 | | 86.72 | 713.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -732.21 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.58 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.59 |
| | 125 Hz | 110.20 | 0.00 | | 86.58 | 2.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.15 |
| | 250 Hz | 105.30 | 0.00 | | 86.58 | 6.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.44 |
| | 500 Hz | 102.70 | 0.00 | | 86.58 | 11.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.53 |
| | 1000 Hz | 99.80 | 0.00 | | 86.58 | 22.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.78 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 95.50 | 0.00 | | 86.58 | 58.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -46.20 |
| | 4000 Hz | 84.90 | 0.00 | | 86.58 | 197.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -195.78 |
| | 8000 Hz | 61.80 | 0.00 | | 86.58 | 702.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -724.75 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.58 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.59 |
| | 125 Hz | 110.20 | 0.00 | | 86.58 | 2.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.15 |
| | 250 Hz | 105.30 | 0.00 | | 86.58 | 6.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.45 |
| | 500 Hz | 102.70 | 0.00 | | 86.58 | 11.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.54 |
| | 1000 Hz | 99.80 | 0.00 | | 86.58 | 21.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.76 |
| | 2000 Hz | 95.50 | 0.00 | | 86.58 | 58.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -46.16 |
| | 4000 Hz | 84.90 | 0.00 | | 86.58 | 196.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -195.66 |
| | 8000 Hz | 61.80 | 0.00 | | 86.58 | 702.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -724.35 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.71 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.92 |
| | 125 Hz | 111.00 | 0.00 | | 85.71 | 2.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.05 |
| | 250 Hz | 106.60 | 0.00 | | 85.71 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.21 |
| | 500 Hz | 103.70 | 0.00 | | 85.71 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.50 |
| | 1000 Hz | 99.80 | 0.00 | | 85.71 | 19.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.82 |
| | 2000 Hz | 95.60 | 0.00 | | 85.71 | 52.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.71 |
| | 4000 Hz | 86.90 | 0.00 | | 85.71 | 178.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -174.16 |
| | 8000 Hz | 65.40 | 0.00 | | 85.71 | 636.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -653.41 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 85.70 | 0.66 | -3.00 | 0.00 | 0.00 | 2.48 | 0.00 | 29.46 |
| | 125 Hz | 111.00 | 0.00 | | 85.70 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.07 |
| | 250 Hz | 106.60 | 0.00 | | 85.70 | 5.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.23 |
| | 500 Hz | 103.70 | 0.00 | | 85.70 | 10.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.53 |
| | 1000 Hz | 99.80 | 0.00 | | 85.70 | 19.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.77 |
| | 2000 Hz | 95.60 | 0.00 | | 85.70 | 52.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.61 |
| | 4000 Hz | 86.90 | 0.00 | | 85.70 | 178.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -173.87 |
| | 8000 Hz | 65.40 | 0.00 | | 85.70 | 635.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -652.41 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 72.17 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.49 |
| | 125 Hz | 104.80 | 0.00 | | 72.17 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.16 |
| | 250 Hz | 101.20 | 0.00 | | 72.17 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.84 |
| | 500 Hz | 96.80 | 0.00 | | 72.17 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.42 |
| | 1000 Hz | 92.70 | 0.00 | | 72.17 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.35 |
| | 2000 Hz | 90.50 | 0.00 | | 72.17 | 11.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.27 |
| | 4000 Hz | 84.90 | 0.00 | | 72.17 | 37.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.77 |
| | 8000 Hz | 70.70 | 0.00 | | 72.17 | 133.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -132.23 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 77.94 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.99 |
| | 125 Hz | 106.90 | 0.00 | | 77.94 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.05 |
| | 250 Hz | 104.10 | 0.00 | | 77.94 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.85 |
| | 500 Hz | 100.40 | 0.00 | | 77.94 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.18 |
| | 1000 Hz | 96.10 | 0.00 | | 77.94 | 8.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.04 |
| | 2000 Hz | 90.70 | 0.00 | | 77.94 | 21.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.71 |
| | 4000 Hz | 83.90 | 0.00 | | 77.94 | 72.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -63.87 |
| | 8000 Hz | 75.80 | 0.00 | | 77.94 | 259.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -258.92 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.22 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.73 |
| | 125 Hz | 108.80 | 0.00 | | 77.22 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.74 |
| | 250 Hz | 106.10 | 0.00 | | 77.22 | 2.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.74 |
| | 500 Hz | 102.40 | 0.00 | | 77.22 | 3.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.23 |
| | 1000 Hz | 98.10 | 0.00 | | 77.22 | 7.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.39 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 92.80 | 0.00 | | 77.22 | 19.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.21 |
| | 4000 Hz | 85.90 | 0.00 | | 77.22 | 67.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.41 |
| | 8000 Hz | 77.90 | 0.00 | | 77.22 | 239.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -235.61 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 74.75 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.27 |
| | 125 Hz | 106.90 | 0.00 | | 74.75 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.52 |
| | 250 Hz | 104.10 | 0.00 | | 74.75 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.75 |
| | 500 Hz | 100.40 | 0.00 | | 74.75 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.69 |
| | 1000 Hz | 96.10 | 0.00 | | 74.75 | 5.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.72 |
| | 2000 Hz | 90.70 | 0.00 | | 74.75 | 14.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.08 |
| | 4000 Hz | 83.90 | 0.00 | | 74.75 | 50.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.30 |
| | 8000 Hz | 75.80 | 0.00 | | 74.75 | 179.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -175.89 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 69.27 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.83 |
| | 125 Hz | 108.80 | 0.00 | | 69.27 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.19 |
| | 250 Hz | 106.10 | 0.00 | | 69.27 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.97 |
| | 500 Hz | 102.40 | 0.00 | | 69.27 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.54 |
| | 1000 Hz | 98.10 | 0.00 | | 69.27 | 3.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.83 |
| | 2000 Hz | 92.80 | 0.00 | | 69.27 | 7.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.60 |
| | 4000 Hz | 85.90 | 0.00 | | 69.27 | 26.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.25 |
| | 8000 Hz | 77.90 | 0.00 | | 69.27 | 95.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -84.22 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.75 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.20 |
| | 125 Hz | 110.70 | 0.00 | | 72.75 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.44 |
| | 250 Hz | 108.00 | 0.00 | | 72.75 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.97 |
| | 500 Hz | 104.50 | 0.00 | | 72.75 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.39 |
| | 1000 Hz | 100.10 | 0.00 | | 72.75 | 4.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.87 |
| | 2000 Hz | 94.80 | 0.00 | | 72.75 | 11.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.22 |
| | 4000 Hz | 87.90 | 0.00 | | 72.75 | 40.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.96 |
| | 8000 Hz | 79.90 | 0.00 | | 72.75 | 143.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.91 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 74.12 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.00 |
| | 125 Hz | 110.90 | 0.00 | | 74.12 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.19 |
| | 250 Hz | 108.10 | 0.00 | | 74.12 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.48 |
| | 500 Hz | 104.40 | 0.00 | | 74.12 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.51 |
| | 1000 Hz | 100.10 | 0.00 | | 74.12 | 5.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.73 |
| | 2000 Hz | 94.80 | 0.00 | | 74.12 | 13.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.83 |
| | 4000 Hz | 88.00 | 0.00 | | 74.12 | 46.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.09 |
| | 8000 Hz | 80.00 | 0.00 | | 74.12 | 167.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.64 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.82 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.07 |
| | 125 Hz | 110.70 | 0.00 | | 75.82 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.16 |
| | 250 Hz | 108.00 | 0.00 | | 75.82 | 1.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.36 |
| | 500 Hz | 104.50 | 0.00 | | 75.82 | 3.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.32 |
| | 1000 Hz | 100.10 | 0.00 | | 75.82 | 6.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.91 |
| | 2000 Hz | 94.80 | 0.00 | | 75.82 | 16.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.14 |
| | 4000 Hz | 87.90 | 0.00 | | 75.82 | 57.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.03 |
| | 8000 Hz | 79.90 | 0.00 | | 75.82 | 203.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -196.60 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 75.79 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.30 |
| | 125 Hz | 110.90 | 0.00 | | 75.79 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.39 |
| | 250 Hz | 108.10 | 0.00 | | 75.79 | 1.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.50 |
| | 500 Hz | 104.40 | 0.00 | | 75.79 | 3.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.26 |
| | 1000 Hz | 100.10 | 0.00 | | 75.79 | 6.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.96 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 94.80 | 0.00 | | 75.79 | 16.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 |
| | 4000 Hz | 88.00 | 0.00 | | 75.79 | 56.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.70 |
| | 8000 Hz | 80.00 | 0.00 | | 75.79 | 202.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -195.76 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 77.74 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.10 |
| | 125 Hz | 110.70 | 0.00 | | 77.74 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.07 |
| | 250 Hz | 108.00 | 0.00 | | 77.74 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.99 |
| | 500 Hz | 104.50 | 0.00 | | 77.74 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.57 |
| | 1000 Hz | 100.10 | 0.00 | | 77.74 | 7.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.41 |
| | 2000 Hz | 94.80 | 0.00 | | 77.74 | 21.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.94 |
| | 4000 Hz | 87.90 | 0.00 | | 77.74 | 71.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.05 |
| | 8000 Hz | 79.90 | 0.00 | | 77.74 | 253.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -248.83 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt023 | IP U | 380716.47 | 5776210.66 | 72.722 | 43.24 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.78 | 10.56 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -1.08 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 65.94 | 1.07 | 4.46 | 0.00 | 0.00 | 0.00 | 0.00 | 26.54 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 75.74 | 3.32 | 4.63 | 0.00 | 0.00 | 0.14 | 0.00 | 14.18 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 75.30 | 3.16 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | -79.16 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.69 | 0.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 20.32 |
| | 125 Hz | 102.50 | 0.00 | | 81.69 | 1.41 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 17.63 |
| | 250 Hz | 99.20 | 0.00 | | 81.69 | 3.57 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 12.17 |
| | 500 Hz | 96.00 | 0.00 | | 81.69 | 6.60 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 5.94 |
| | 1000 Hz | 92.30 | 0.00 | | 81.69 | 12.52 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -3.68 |
| | 2000 Hz | 89.10 | 0.00 | | 81.69 | 33.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -27.44 |
| | 4000 Hz | 85.30 | 0.00 | | 81.69 | 112.19 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | -110.35 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.88 | 0.43 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | 23.16 |
| | 125 Hz | 105.50 | 0.00 | | 81.88 | 1.44 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 20.49 |
| | 250 Hz | 102.20 | 0.00 | | 81.88 | 3.65 | -3.00 | 0.00 | 0.00 | 4.62 | 0.00 | 15.05 |
| | 500 Hz | 99.00 | 0.00 | | 81.88 | 6.75 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | 8.92 |
| | 1000 Hz | 95.30 | 0.00 | | 81.88 | 12.80 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | -0.50 |
| | 2000 Hz | 92.10 | 0.00 | | 81.88 | 33.83 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | -23.95 |
| | 4000 Hz | 88.30 | 0.00 | | 81.88 | 114.73 | -3.00 | 0.00 | 0.00 | 1.17 | 0.00 | -106.48 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.45 | 0.13 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | 35.08 |
| | 63 Hz | 116.40 | 0.00 | | 83.45 | 0.51 | -3.00 | 0.00 | 0.00 | 4.69 | 0.00 | 30.75 |
| | 125 Hz | 110.70 | 0.00 | | 83.45 | 1.72 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 23.92 |
| | 250 Hz | 104.40 | 0.00 | | 83.45 | 4.38 | -3.00 | 0.00 | 0.00 | 4.43 | 0.00 | 15.14 |
| | 500 Hz | 101.20 | 0.00 | | 83.45 | 8.08 | -3.00 | 0.00 | 0.00 | 4.06 | 0.00 | 8.61 |
| | 1000 Hz | 99.40 | 0.00 | | 83.45 | 15.34 | -3.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.40 |
| | 2000 Hz | 93.80 | 0.00 | | 83.45 | 40.53 | -3.00 | 0.00 | 0.00 | 0.73 | 0.00 | -27.91 |
| | 4000 Hz | 86.70 | 0.00 | | 83.45 | 137.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -131.21 |
| | 8000 Hz | 78.40 | 0.00 | | 83.45 | 490.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -492.30 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 120.40 | 0.00 | | 76.60 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.74 |
| | 63 Hz | 116.40 | 0.00 | | 76.60 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.57 |
| | 125 Hz | 110.70 | 0.00 | | 76.60 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.32 |
| | 250 Hz | 104.40 | 0.00 | | 76.60 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.81 |
| | 500 Hz | 101.20 | 0.00 | | 76.60 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.93 |
| | 1000 Hz | 99.40 | 0.00 | | 76.60 | 6.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.83 |
| | 2000 Hz | 93.80 | 0.00 | | 76.60 | 18.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.78 |
| | 4000 Hz | 86.70 | 0.00 | | 76.60 | 62.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.36 |
| | 8000 Hz | 78.40 | 0.00 | | 76.60 | 222.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -217.98 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.41 | 0.12 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 36.37 |
| | 63 Hz | 116.40 | 0.00 | | 82.41 | 0.45 | -3.00 | 0.00 | 0.00 | 4.21 | 0.00 | | 32.32 |
| | 125 Hz | 110.70 | 0.00 | | 82.41 | 1.53 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | 26.17 |
| | 250 Hz | 104.40 | 0.00 | | 82.41 | 3.88 | -3.00 | 0.00 | 0.00 | 1.95 | 0.00 | | 19.16 |
| | 500 Hz | 101.20 | 0.00 | | 82.41 | 7.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.61 |
| | 1000 Hz | 99.40 | 0.00 | | 82.41 | 13.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.37 |
| | 2000 Hz | 93.80 | 0.00 | | 82.41 | 35.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.58 |
| | 4000 Hz | 86.70 | 0.00 | | 82.41 | 121.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.69 |
| | 8000 Hz | 78.40 | 0.00 | | 82.41 | 435.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.05 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.06 | 0.13 | -3.00 | 0.00 | 0.00 | 4.71 | 0.00 | | 35.51 |
| | 63 Hz | 116.40 | 0.00 | | 83.06 | 0.49 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | 31.21 |
| | 125 Hz | 110.70 | 0.00 | | 83.06 | 1.65 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | | 24.48 |
| | 250 Hz | 104.40 | 0.00 | | 83.06 | 4.18 | -3.00 | 0.00 | 0.00 | 4.25 | 0.00 | | 15.91 |
| | 500 Hz | 101.20 | 0.00 | | 83.06 | 7.73 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | | 9.77 |
| | 1000 Hz | 99.40 | 0.00 | | 83.06 | 14.66 | -3.00 | 0.00 | 0.00 | 2.14 | 0.00 | | 2.55 |
| | 2000 Hz | 93.80 | 0.00 | | 83.06 | 38.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.00 |
| | 4000 Hz | 86.70 | 0.00 | | 83.06 | 131.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.72 |
| | 8000 Hz | 78.40 | 0.00 | | 83.06 | 468.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -470.19 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.79 | 0.10 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 39.96 |
| | 63 Hz | 116.40 | 0.00 | | 80.79 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.23 |
| | 125 Hz | 110.70 | 0.00 | | 80.79 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.64 |
| | 250 Hz | 104.40 | 0.00 | | 80.79 | 3.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.39 |
| | 500 Hz | 101.20 | 0.00 | | 80.79 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.46 |
| | 1000 Hz | 99.40 | 0.00 | | 80.79 | 11.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.31 |
| | 2000 Hz | 93.80 | 0.00 | | 80.79 | 29.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.84 |
| | 4000 Hz | 86.70 | 0.00 | | 80.79 | 101.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.29 |
| | 8000 Hz | 78.40 | 0.00 | | 80.79 | 360.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -360.35 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.34 | 0.11 | -3.00 | 0.00 | 0.00 | 2.46 | 0.00 | | 39.49 |
| | 63 Hz | 116.40 | 0.00 | | 81.34 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.66 |
| | 125 Hz | 110.70 | 0.00 | | 81.34 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.00 |
| | 250 Hz | 104.40 | 0.00 | | 81.34 | 3.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.62 |
| | 500 Hz | 101.20 | 0.00 | | 81.34 | 6.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.51 |
| | 1000 Hz | 99.40 | 0.00 | | 81.34 | 12.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.02 |
| | 2000 Hz | 93.80 | 0.00 | | 81.34 | 31.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.35 |
| | 4000 Hz | 86.70 | 0.00 | | 81.34 | 107.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.49 |
| | 8000 Hz | 78.40 | 0.00 | | 81.34 | 384.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -384.58 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.75 | 0.12 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | 36.20 |
| | 63 Hz | 116.40 | 0.00 | | 82.75 | 0.47 | -3.00 | 0.00 | 0.00 | 3.83 | 0.00 | | 32.35 |
| | 125 Hz | 110.70 | 0.00 | | 82.75 | 1.59 | -3.00 | 0.00 | 0.00 | 2.65 | 0.00 | | 26.72 |
| | 250 Hz | 104.40 | 0.00 | | 82.75 | 4.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.62 |
| | 500 Hz | 101.20 | 0.00 | | 82.75 | 7.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.00 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 99.40 | 0.00 | | 82.75 | 14.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.51 |
| | 2000 Hz | 93.80 | 0.00 | | 82.75 | 37.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.32 |
| | 4000 Hz | 86.70 | 0.00 | | 82.75 | 126.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.78 |
| | 8000 Hz | 78.40 | 0.00 | | 82.75 | 452.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -453.38 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.97 | 0.11 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | 37.43 |
| | 63 Hz | 116.40 | 0.00 | | 81.97 | 0.43 | -3.00 | 0.00 | 0.00 | 2.76 | 0.00 | | 34.24 |
| | 125 Hz | 110.70 | 0.00 | | 81.97 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.28 |
| | 250 Hz | 104.40 | 0.00 | | 81.97 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.74 |
| | 500 Hz | 101.20 | 0.00 | | 81.97 | 6.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.41 |
| | 1000 Hz | 99.40 | 0.00 | | 81.97 | 12.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.49 |
| | 2000 Hz | 93.80 | 0.00 | | 81.97 | 34.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.35 |
| | 4000 Hz | 86.70 | 0.00 | | 81.97 | 115.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.18 |
| | 8000 Hz | 78.40 | 0.00 | | 81.97 | 413.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -413.97 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 81.28 | 0.10 | -3.00 | 0.00 | 0.00 | 1.67 | 0.00 | | 37.04 |
| | 63 Hz | 113.10 | 0.00 | | 81.28 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.42 |
| | 125 Hz | 107.40 | 0.00 | | 81.28 | 1.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.78 |
| | 250 Hz | 101.10 | 0.00 | | 81.28 | 3.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.41 |
| | 500 Hz | 97.90 | 0.00 | | 81.28 | 6.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.33 |
| | 1000 Hz | 96.10 | 0.00 | | 81.28 | 11.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.88 |
| | 2000 Hz | 90.50 | 0.00 | | 81.28 | 31.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.34 |
| | 4000 Hz | 83.40 | 0.00 | | 81.28 | 107.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.92 |
| | 8000 Hz | 75.10 | 0.00 | | 81.28 | 381.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -384.95 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.51 | 0.12 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | | 36.74 |
| | 63 Hz | 116.40 | 0.00 | | 82.51 | 0.46 | -3.00 | 0.00 | 0.00 | 3.15 | 0.00 | | 33.28 |
| | 125 Hz | 110.70 | 0.00 | | 82.51 | 1.55 | -3.00 | 0.00 | 0.00 | 0.59 | 0.00 | | 29.05 |
| | 250 Hz | 104.40 | 0.00 | | 82.51 | 3.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.97 |
| | 500 Hz | 101.20 | 0.00 | | 82.51 | 7.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.44 |
| | 1000 Hz | 99.40 | 0.00 | | 82.51 | 13.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.13 |
| | 2000 Hz | 93.80 | 0.00 | | 82.51 | 36.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.06 |
| | 4000 Hz | 86.70 | 0.00 | | 82.51 | 123.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.10 |
| | 8000 Hz | 78.40 | 0.00 | | 82.51 | 439.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -440.85 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.42 | 0.13 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | | 35.43 |
| | 63 Hz | 116.40 | 0.00 | | 83.42 | 0.51 | -3.00 | 0.00 | 0.00 | 4.02 | 0.00 | | 31.44 |
| | 125 Hz | 110.70 | 0.00 | | 83.42 | 1.72 | -3.00 | 0.00 | 0.00 | 3.13 | 0.00 | | 25.42 |
| | 250 Hz | 104.40 | 0.00 | | 83.42 | 4.36 | -3.00 | 0.00 | 0.00 | 0.47 | 0.00 | | 19.14 |
| | 500 Hz | 101.20 | 0.00 | | 83.42 | 8.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.72 |
| | 1000 Hz | 99.40 | 0.00 | | 83.42 | 15.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.69 |
| | 2000 Hz | 93.80 | 0.00 | | 83.42 | 40.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.03 |
| | 4000 Hz | 86.70 | 0.00 | | 83.42 | 137.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.74 |
| | 8000 Hz | 78.40 | 0.00 | | 83.42 | 488.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -490.72 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.65 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.31 |
| | 125 Hz | 104.80 | 0.00 | | 86.65 | 2.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.66 |
| | 250 Hz | 101.50 | 0.00 | | 86.65 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.53 |
| | 500 Hz | 97.10 | 0.00 | | 86.65 | 11.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.77 |
| | 1000 Hz | 91.00 | 0.00 | | 86.65 | 22.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.82 |
| | 2000 Hz | 86.30 | 0.00 | | 86.65 | 58.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.93 |
| | 4000 Hz | 80.30 | 0.00 | | 86.65 | 198.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -201.99 |
| | 8000 Hz | 74.00 | 0.00 | | 86.65 | 708.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -718.13 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 115.00 | 0.00 | | 87.09 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.70 |
| | 63 Hz | 113.00 | 0.00 | | 87.09 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.13 |
| | 125 Hz | 108.60 | 0.00 | | 87.09 | 2.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.89 |
| | 250 Hz | 105.70 | 0.00 | | 87.09 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.96 |
| | 500 Hz | 101.70 | 0.00 | | 87.09 | 12.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.32 |
| | 1000 Hz | 95.50 | 0.00 | | 87.09 | 23.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.91 |
| | 2000 Hz | 89.70 | 0.00 | | 87.09 | 61.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.02 |
| | 4000 Hz | 82.20 | 0.00 | | 87.09 | 208.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -210.89 |
| | 8000 Hz | 74.00 | 0.00 | | 87.09 | 745.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -755.50 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.14 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.66 |
| | 63 Hz | 113.00 | 0.00 | | 87.14 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.08 |
| | 125 Hz | 108.60 | 0.00 | | 87.14 | 2.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.83 |
| | 250 Hz | 105.70 | 0.00 | | 87.14 | 6.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.87 |
| | 500 Hz | 101.70 | 0.00 | | 87.14 | 12.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.20 |
| | 1000 Hz | 95.50 | 0.00 | | 87.14 | 23.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.09 |
| | 2000 Hz | 89.70 | 0.00 | | 87.14 | 61.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.41 |
| | 4000 Hz | 82.20 | 0.00 | | 87.14 | 210.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.08 |
| | 8000 Hz | 74.00 | 0.00 | | 87.14 | 749.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -759.64 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 85.22 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.52 |
| | 63 Hz | 111.30 | 0.00 | | 85.22 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.46 |
| | 125 Hz | 107.40 | 0.00 | | 85.22 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.07 |
| | 250 Hz | 102.80 | 0.00 | | 85.22 | 5.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.22 |
| | 500 Hz | 99.70 | 0.00 | | 85.22 | 9.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.58 |
| | 1000 Hz | 96.60 | 0.00 | | 85.22 | 18.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.41 |
| | 2000 Hz | 91.70 | 0.00 | | 85.22 | 49.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.17 |
| | 4000 Hz | 85.00 | 0.00 | | 85.22 | 168.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -165.61 |
| | 8000 Hz | 87.30 | 0.00 | | 85.22 | 600.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -595.53 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.04 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.09 |
| | 125 Hz | 108.60 | 0.00 | | 87.04 | 2.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.95 |
| | 250 Hz | 103.40 | 0.00 | | 87.04 | 6.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.74 |
| | 500 Hz | 99.10 | 0.00 | | 87.04 | 12.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.84 |
| | 1000 Hz | 98.00 | 0.00 | | 87.04 | 23.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.23 |
| | 2000 Hz | 89.80 | 0.00 | | 87.04 | 61.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.52 |
| | 4000 Hz | 85.30 | 0.00 | | 87.04 | 207.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -206.53 |
| | 8000 Hz | 80.10 | 0.00 | | 87.04 | 741.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -745.06 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.86 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.54 |
| | 63 Hz | 112.30 | 0.00 | | 86.86 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.68 |
| | 125 Hz | 108.10 | 0.00 | | 86.86 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.69 |
| | 250 Hz | 103.50 | 0.00 | | 86.86 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.16 |
| | 500 Hz | 100.70 | 0.00 | | 86.86 | 11.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.87 |
| | 1000 Hz | 98.30 | 0.00 | | 86.86 | 22.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.27 |
| | 2000 Hz | 93.80 | 0.00 | | 86.86 | 60.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.08 |
| | 4000 Hz | 86.20 | 0.00 | | 86.86 | 203.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -201.18 |
| | 8000 Hz | 78.20 | 0.00 | | 86.86 | 725.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -731.56 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.52 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.89 |
| | 63 Hz | 111.70 | 0.00 | | 86.52 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.46 |
| | 125 Hz | 106.40 | 0.00 | | 86.52 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.43 |
| | 250 Hz | 102.10 | 0.00 | | 86.52 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.35 |
| | 500 Hz | 99.10 | 0.00 | | 86.52 | 11.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.07 |
| | 1000 Hz | 96.90 | 0.00 | | 86.52 | 21.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.45 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 90.50 | 0.00 | | 86.52 | 57.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -50.72 |
| | 4000 Hz | 81.00 | 0.00 | | 86.52 | 195.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -198.18 |
| | 8000 Hz | 76.50 | 0.00 | | 86.52 | 697.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -704.87 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.48 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.81 |
| | 63 Hz | 110.40 | 0.00 | | 87.48 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.11 |
| | 125 Hz | 107.20 | 0.00 | | 87.48 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.98 |
| | 250 Hz | 101.70 | 0.00 | | 87.48 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.27 |
| | 500 Hz | 98.20 | 0.00 | | 87.48 | 12.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 |
| | 1000 Hz | 95.60 | 0.00 | | 87.48 | 24.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.26 |
| | 2000 Hz | 93.70 | 0.00 | | 87.48 | 64.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -55.22 |
| | 4000 Hz | 90.70 | 0.00 | | 87.48 | 218.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -212.30 |
| | 8000 Hz | 79.50 | 0.00 | | 87.48 | 779.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -784.35 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.37 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.30 |
| | 63 Hz | 111.60 | 0.00 | | 83.37 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.73 |
| | 125 Hz | 108.60 | 0.00 | | 83.37 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.53 |
| | 250 Hz | 106.50 | 0.00 | | 83.37 | 4.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.80 |
| | 500 Hz | 102.90 | 0.00 | | 83.37 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.53 |
| | 1000 Hz | 99.60 | 0.00 | | 83.37 | 15.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 |
| | 2000 Hz | 95.90 | 0.00 | | 83.37 | 40.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.60 |
| | 4000 Hz | 90.10 | 0.00 | | 83.37 | 136.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.37 |
| | 8000 Hz | 76.30 | 0.00 | | 83.37 | 485.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -489.50 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.43 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.23 |
| | 63 Hz | 111.60 | 0.00 | | 83.43 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.66 |
| | 125 Hz | 108.60 | 0.00 | | 83.43 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.45 |
| | 250 Hz | 106.50 | 0.00 | | 83.43 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.70 |
| | 500 Hz | 102.90 | 0.00 | | 83.43 | 8.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.40 |
| | 1000 Hz | 99.60 | 0.00 | | 83.43 | 15.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.86 |
| | 2000 Hz | 95.90 | 0.00 | | 83.43 | 40.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.98 |
| | 4000 Hz | 90.10 | 0.00 | | 83.43 | 137.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -127.51 |
| | 8000 Hz | 76.30 | 0.00 | | 83.43 | 489.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -493.38 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.08 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.60 |
| | 63 Hz | 111.60 | 0.00 | | 82.08 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.08 |
| | 125 Hz | 108.60 | 0.00 | | 82.08 | 1.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.04 |
| | 250 Hz | 106.50 | 0.00 | | 82.08 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.68 |
| | 500 Hz | 102.90 | 0.00 | | 82.08 | 6.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.91 |
| | 1000 Hz | 99.60 | 0.00 | | 82.08 | 13.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.41 |
| | 2000 Hz | 95.90 | 0.00 | | 82.08 | 34.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.81 |
| | 4000 Hz | 90.10 | 0.00 | | 82.08 | 117.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -106.42 |
| | 8000 Hz | 76.30 | 0.00 | | 82.08 | 418.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -421.63 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.67 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.02 |
| | 63 Hz | 111.60 | 0.00 | | 81.67 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.51 |
| | 125 Hz | 108.60 | 0.00 | | 81.67 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.52 |
| | 250 Hz | 106.50 | 0.00 | | 81.67 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.26 |
| | 500 Hz | 102.90 | 0.00 | | 81.67 | 6.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.64 |
| | 1000 Hz | 99.60 | 0.00 | | 81.67 | 12.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.43 |
| | 2000 Hz | 95.90 | 0.00 | | 81.67 | 33.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.81 |
| | 4000 Hz | 90.10 | 0.00 | | 81.67 | 112.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.59 |
| | 8000 Hz | 76.30 | 0.00 | | 81.67 | 399.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -401.89 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 113.80 | 0.00 | | 81.80 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.89 |
| | 63 Hz | 111.60 | 0.00 | | 81.80 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.38 |
| | 125 Hz | 108.60 | 0.00 | | 81.80 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.37 |
| | 250 Hz | 106.50 | 0.00 | | 81.80 | 3.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.08 |
| | 500 Hz | 102.90 | 0.00 | | 81.80 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.41 |
| | 1000 Hz | 99.60 | 0.00 | | 81.80 | 12.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.12 |
| | 2000 Hz | 95.90 | 0.00 | | 81.80 | 33.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.42 |
| | 4000 Hz | 90.10 | 0.00 | | 81.80 | 113.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.36 |
| | 8000 Hz | 76.30 | 0.00 | | 81.80 | 405.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -407.89 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.34 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.36 |
| | 63 Hz | 111.60 | 0.00 | | 80.34 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.90 |
| | 125 Hz | 108.60 | 0.00 | | 80.34 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.05 |
| | 250 Hz | 106.50 | 0.00 | | 80.34 | 3.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.10 |
| | 500 Hz | 102.90 | 0.00 | | 80.34 | 5.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.90 |
| | 1000 Hz | 99.60 | 0.00 | | 80.34 | 10.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.53 |
| | 2000 Hz | 95.90 | 0.00 | | 80.34 | 28.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.78 |
| | 4000 Hz | 90.10 | 0.00 | | 80.34 | 96.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.34 |
| | 8000 Hz | 76.30 | 0.00 | | 80.34 | 342.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -343.80 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.83 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.88 |
| | 63 Hz | 111.60 | 0.00 | | 79.83 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.43 |
| | 125 Hz | 108.60 | 0.00 | | 79.83 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.63 |
| | 250 Hz | 106.50 | 0.00 | | 79.83 | 2.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.78 |
| | 500 Hz | 102.90 | 0.00 | | 79.83 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.74 |
| | 1000 Hz | 99.60 | 0.00 | | 79.83 | 10.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.65 |
| | 2000 Hz | 95.90 | 0.00 | | 79.83 | 26.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.66 |
| | 4000 Hz | 90.10 | 0.00 | | 79.83 | 90.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.36 |
| | 8000 Hz | 76.30 | 0.00 | | 79.83 | 323.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -323.76 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.51 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.19 |
| | 63 Hz | 111.60 | 0.00 | | 80.51 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.72 |
| | 125 Hz | 108.60 | 0.00 | | 80.51 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.86 |
| | 250 Hz | 106.50 | 0.00 | | 80.51 | 3.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.87 |
| | 500 Hz | 102.90 | 0.00 | | 80.51 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.62 |
| | 1000 Hz | 99.60 | 0.00 | | 80.51 | 10.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.15 |
| | 2000 Hz | 95.90 | 0.00 | | 80.51 | 28.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.51 |
| | 4000 Hz | 90.10 | 0.00 | | 80.51 | 98.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.41 |
| | 8000 Hz | 76.30 | 0.00 | | 80.51 | 349.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -350.74 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 84.19 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.84 |
| | 125 Hz | 5.20 | 0.00 | | 84.19 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.86 |
| | 250 Hz | 1.90 | 0.00 | | 84.19 | 4.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -84.05 |
| | 500 Hz | -1.30 | 0.00 | | 84.19 | 8.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.28 |
| | 1000 Hz | -5.00 | 0.00 | | 84.19 | 16.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.88 |
| | 2000 Hz | -8.20 | 0.00 | | 84.19 | 44.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.50 |
| | 4000 Hz | -12.00 | 0.00 | | 84.19 | 149.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.77 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 75.87 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.11 |
| | 125 Hz | 106.50 | 0.00 | | 75.87 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.91 |
| | 250 Hz | 103.20 | 0.00 | | 75.87 | 1.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.50 |
| | 500 Hz | 100.00 | 0.00 | | 75.87 | 3.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.75 |
| | 1000 Hz | 96.30 | 0.00 | | 75.87 | 6.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.02 |
| | 2000 Hz | 93.10 | 0.00 | | 75.87 | 16.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.29 |
| | 4000 Hz | 89.30 | 0.00 | | 75.87 | 57.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.02 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.53 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.38 |
| | 63 Hz | 110.90 | 0.00 | | 82.53 | 0.46 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 26.14 |
| | 125 Hz | 108.00 | 0.00 | | 82.53 | 1.55 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 22.15 |
| | 250 Hz | 103.80 | 0.00 | | 82.53 | 3.93 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.57 |
| | 500 Hz | 101.90 | 0.00 | | 82.53 | 7.27 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 10.33 |
| | 1000 Hz | 98.90 | 0.00 | | 82.53 | 13.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.81 |
| | 2000 Hz | 94.60 | 0.00 | | 82.53 | 36.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -26.14 |
| | 4000 Hz | 88.20 | 0.00 | | 82.53 | 123.59 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -119.69 |
| | 8000 Hz | 78.80 | 0.00 | | 82.53 | 440.79 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -446.29 |
| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.38 | 0.11 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | | 31.70 |
| | 63 Hz | 110.90 | 0.00 | | 81.38 | 0.40 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 27.68 |
| | 125 Hz | 108.00 | 0.00 | | 81.38 | 1.36 | -3.00 | 0.00 | 0.00 | 4.08 | 0.00 | | 24.18 |
| | 250 Hz | 103.80 | 0.00 | | 81.38 | 3.45 | -3.00 | 0.00 | 0.00 | 3.26 | 0.00 | | 18.71 |
| | 500 Hz | 101.90 | 0.00 | | 81.38 | 6.37 | -3.00 | 0.00 | 0.00 | 0.93 | 0.00 | | 16.22 |
| | 1000 Hz | 98.90 | 0.00 | | 81.38 | 12.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.43 |
| | 2000 Hz | 94.60 | 0.00 | | 81.38 | 31.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.73 |
| | 4000 Hz | 88.20 | 0.00 | | 81.38 | 108.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.51 |
| | 8000 Hz | 78.80 | 0.00 | | 81.38 | 386.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -385.95 |
| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.96 | 0.11 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | | 31.09 |
| | 63 Hz | 110.90 | 0.00 | | 81.96 | 0.43 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 27.01 |
| | 125 Hz | 108.00 | 0.00 | | 81.96 | 1.45 | -3.00 | 0.00 | 0.00 | 4.22 | 0.00 | | 23.37 |
| | 250 Hz | 103.80 | 0.00 | | 81.96 | 3.68 | -3.00 | 0.00 | 0.00 | 3.59 | 0.00 | | 17.57 |
| | 500 Hz | 101.90 | 0.00 | | 81.96 | 6.81 | -3.00 | 0.00 | 0.00 | 1.96 | 0.00 | | 14.18 |
| | 1000 Hz | 98.90 | 0.00 | | 81.96 | 12.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.03 |
| | 2000 Hz | 94.60 | 0.00 | | 81.96 | 34.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.48 |
| | 4000 Hz | 88.20 | 0.00 | | 81.96 | 115.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -106.49 |
| | 8000 Hz | 78.80 | 0.00 | | 81.96 | 412.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -412.92 |
| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.41 | 0.09 | -3.00 | 0.00 | 0.00 | 3.76 | 0.00 | | 33.54 |
| | 63 Hz | 110.90 | 0.00 | | 80.41 | 0.36 | -3.00 | 0.00 | 0.00 | 2.43 | 0.00 | | 30.70 |
| | 125 Hz | 108.00 | 0.00 | | 80.41 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.38 |
| | 250 Hz | 103.80 | 0.00 | | 80.41 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.31 |
| | 500 Hz | 101.90 | 0.00 | | 80.41 | 5.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.80 |
| | 1000 Hz | 98.90 | 0.00 | | 80.41 | 10.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.69 |
| | 2000 Hz | 94.60 | 0.00 | | 80.41 | 28.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.35 |
| | 4000 Hz | 88.20 | 0.00 | | 80.41 | 96.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.02 |
| | 8000 Hz | 78.80 | 0.00 | | 80.41 | 345.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -343.89 |
| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 75.26 | 0.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.89 |
| | 63 Hz | 122.10 | 0.00 | | 75.26 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.64 |
| | 125 Hz | 115.00 | 0.00 | | 75.26 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.07 |
| | 250 Hz | 108.00 | 0.00 | | 75.26 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.04 |
| | 500 Hz | 103.90 | 0.00 | | 75.26 | 3.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.49 |
| | 1000 Hz | 101.60 | 0.00 | | 75.26 | 5.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.37 |
| | 2000 Hz | 96.70 | 0.00 | | 75.26 | 15.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.66 |
| | 4000 Hz | 88.60 | 0.00 | | 75.26 | 53.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.19 |
| | 8000 Hz | 80.90 | 0.00 | | 75.26 | 190.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.27 |
| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 76.78 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.49 |
| | 125 Hz | 109.80 | 0.00 | | 76.78 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.23 |
| | 250 Hz | 107.40 | 0.00 | | 76.78 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.60 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.60 | 0.00 | | 76.78 | 3.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.08 |
| | 1000 Hz | 94.50 | 0.00 | | 76.78 | 7.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.61 |
| | 2000 Hz | 88.00 | 0.00 | | 76.78 | 18.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.57 |
| | 4000 Hz | 85.30 | 0.00 | | 76.78 | 63.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.21 |
| | 8000 Hz | 79.90 | 0.00 | | 76.78 | 227.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.18 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.25 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.10 |
| | 125 Hz | 110.80 | 0.00 | | 77.25 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.71 |
| | 250 Hz | 105.10 | 0.00 | | 77.25 | 2.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.71 |
| | 500 Hz | 102.60 | 0.00 | | 77.25 | 3.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.39 |
| | 1000 Hz | 99.60 | 0.00 | | 77.25 | 7.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.84 |
| | 2000 Hz | 93.10 | 0.00 | | 77.25 | 19.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.99 |
| | 4000 Hz | 80.70 | 0.00 | | 77.25 | 67.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.84 |
| | 8000 Hz | 77.00 | 0.00 | | 77.25 | 240.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -237.26 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.81 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.52 |
| | 125 Hz | 110.80 | 0.00 | | 77.81 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.09 |
| | 250 Hz | 105.10 | 0.00 | | 77.81 | 2.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.01 |
| | 500 Hz | 102.60 | 0.00 | | 77.81 | 4.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.57 |
| | 1000 Hz | 99.60 | 0.00 | | 77.81 | 8.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.78 |
| | 2000 Hz | 93.10 | 0.00 | | 77.81 | 21.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.88 |
| | 4000 Hz | 80.70 | 0.00 | | 77.81 | 71.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.89 |
| | 8000 Hz | 77.00 | 0.00 | | 77.81 | 256.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -253.84 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.29 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.03 |
| | 125 Hz | 110.80 | 0.00 | | 78.29 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.56 |
| | 250 Hz | 105.10 | 0.00 | | 78.29 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.40 |
| | 500 Hz | 102.60 | 0.00 | | 78.29 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.85 |
| | 1000 Hz | 99.60 | 0.00 | | 78.29 | 8.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.84 |
| | 2000 Hz | 93.10 | 0.00 | | 78.29 | 22.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.56 |
| | 4000 Hz | 80.70 | 0.00 | | 78.29 | 75.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.46 |
| | 8000 Hz | 77.00 | 0.00 | | 78.29 | 270.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -268.89 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 75.96 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.23 |
| | 125 Hz | 104.80 | 0.00 | | 75.96 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.12 |
| | 250 Hz | 99.40 | 0.00 | | 75.96 | 1.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.60 |
| | 500 Hz | 95.00 | 0.00 | | 75.96 | 3.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.63 |
| | 1000 Hz | 93.20 | 0.00 | | 75.96 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.77 |
| | 2000 Hz | 89.10 | 0.00 | | 75.96 | 17.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.96 |
| | 4000 Hz | 83.90 | 0.00 | | 75.96 | 58.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.06 |
| | 8000 Hz | 82.20 | 0.00 | | 75.96 | 206.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.63 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.74 | 0.94 | -3.00 | 0.00 | 0.00 | 3.79 | 0.00 | | 24.83 |
| | 125 Hz | 111.00 | 0.00 | | 88.74 | 3.17 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 19.54 |
| | 250 Hz | 106.60 | 0.00 | | 88.74 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.81 |
| | 500 Hz | 103.70 | 0.00 | | 88.74 | 14.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.09 |
| | 1000 Hz | 99.80 | 0.00 | | 88.74 | 28.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.15 |
| | 2000 Hz | 95.60 | 0.00 | | 88.74 | 74.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.67 |
| | 4000 Hz | 86.90 | 0.00 | | 88.74 | 252.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -251.57 |
| | 8000 Hz | 65.40 | 0.00 | | 88.74 | 901.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -921.74 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.16 | 0.88 | -3.00 | 0.00 | 0.00 | 3.66 | 0.00 | | 25.60 |
| | 125 Hz | 111.00 | 0.00 | | 88.16 | 2.96 | -3.00 | 0.00 | 0.00 | 2.20 | 0.00 | | 20.68 |
| | 250 Hz | 106.60 | 0.00 | | 88.16 | 7.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.91 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 103.70 | 0.00 | | 88.16 | 13.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.63 |
| | 1000 Hz | 99.80 | 0.00 | | 88.16 | 26.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.75 |
| | 2000 Hz | 95.60 | 0.00 | | 88.16 | 69.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.29 |
| | 4000 Hz | 86.90 | 0.00 | | 88.16 | 236.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -234.71 |
| | 8000 Hz | 65.40 | 0.00 | | 88.16 | 843.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -863.09 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.02 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.51 |
| | 125 Hz | 111.00 | 0.00 | | 87.02 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.39 |
| | 250 Hz | 106.60 | 0.00 | | 87.02 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.99 |
| | 500 Hz | 103.70 | 0.00 | | 87.02 | 12.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.50 |
| | 1000 Hz | 99.80 | 0.00 | | 87.02 | 23.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.34 |
| | 2000 Hz | 95.60 | 0.00 | | 87.02 | 61.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.52 |
| | 4000 Hz | 86.90 | 0.00 | | 87.02 | 207.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.33 |
| | 8000 Hz | 65.40 | 0.00 | | 87.02 | 739.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -757.67 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.91 | 0.76 | -3.00 | 0.00 | 0.00 | 3.31 | 0.00 | | 26.91 |
| | 125 Hz | 110.20 | 0.00 | | 86.91 | 2.57 | -3.00 | 0.00 | 0.00 | 1.15 | 0.00 | | 22.57 |
| | 250 Hz | 105.30 | 0.00 | | 86.91 | 6.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.87 |
| | 500 Hz | 102.70 | 0.00 | | 86.91 | 12.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.74 |
| | 1000 Hz | 99.80 | 0.00 | | 86.91 | 22.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.97 |
| | 2000 Hz | 95.50 | 0.00 | | 86.91 | 60.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.80 |
| | 4000 Hz | 84.90 | 0.00 | | 86.91 | 204.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.80 |
| | 8000 Hz | 61.80 | 0.00 | | 86.91 | 730.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -752.50 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.94 | 0.76 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 26.85 |
| | 125 Hz | 110.20 | 0.00 | | 86.94 | 2.57 | -3.00 | 0.00 | 0.00 | 1.27 | 0.00 | | 22.42 |
| | 250 Hz | 105.30 | 0.00 | | 86.94 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.83 |
| | 500 Hz | 102.70 | 0.00 | | 86.94 | 12.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.69 |
| | 1000 Hz | 99.80 | 0.00 | | 86.94 | 22.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.04 |
| | 2000 Hz | 95.50 | 0.00 | | 86.94 | 60.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.97 |
| | 4000 Hz | 84.90 | 0.00 | | 86.94 | 205.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.31 |
| | 8000 Hz | 61.80 | 0.00 | | 86.94 | 732.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -754.28 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.09 | 0.69 | -3.00 | 0.00 | 0.00 | 3.32 | 0.00 | | 28.20 |
| | 125 Hz | 111.00 | 0.00 | | 86.09 | 2.33 | -3.00 | 0.00 | 0.00 | 1.18 | 0.00 | | 24.40 |
| | 250 Hz | 106.60 | 0.00 | | 86.09 | 5.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.59 |
| | 500 Hz | 103.70 | 0.00 | | 86.09 | 10.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.67 |
| | 1000 Hz | 99.80 | 0.00 | | 86.09 | 20.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.06 |
| | 2000 Hz | 95.60 | 0.00 | | 86.09 | 54.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.38 |
| | 4000 Hz | 86.90 | 0.00 | | 86.09 | 186.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.34 |
| | 8000 Hz | 65.40 | 0.00 | | 86.09 | 663.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -681.63 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.11 | 0.69 | -3.00 | 0.00 | 0.00 | 3.21 | 0.00 | | 28.29 |
| | 125 Hz | 111.00 | 0.00 | | 86.11 | 2.34 | -3.00 | 0.00 | 0.00 | 0.81 | 0.00 | | 24.74 |
| | 250 Hz | 106.60 | 0.00 | | 86.11 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.56 |
| | 500 Hz | 103.70 | 0.00 | | 86.11 | 10.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.62 |
| | 1000 Hz | 99.80 | 0.00 | | 86.11 | 20.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.13 |
| | 2000 Hz | 95.60 | 0.00 | | 86.11 | 55.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.52 |
| | 4000 Hz | 86.90 | 0.00 | | 86.11 | 186.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.78 |
| | 8000 Hz | 65.40 | 0.00 | | 86.11 | 665.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -683.14 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 74.47 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.15 |
| | 125 Hz | 104.80 | 0.00 | | 74.47 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.71 |
| | 250 Hz | 101.20 | 0.00 | | 74.47 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.17 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 96.80 | 0.00 | | 74.47 | 2.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.45 |
| | 1000 Hz | 92.70 | 0.00 | | 74.47 | 5.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.77 |
| | 2000 Hz | 90.50 | 0.00 | | 74.47 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.61 |
| | 4000 Hz | 84.90 | 0.00 | | 74.47 | 48.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.47 |
| | 8000 Hz | 70.70 | 0.00 | | 74.47 | 174.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -175.16 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 76.62 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.35 |
| | 125 Hz | 106.90 | 0.00 | | 76.62 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.50 |
| | 250 Hz | 104.10 | 0.00 | | 76.62 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.49 |
| | 500 Hz | 100.40 | 0.00 | | 76.62 | 3.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.10 |
| | 1000 Hz | 96.10 | 0.00 | | 76.62 | 6.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.50 |
| | 2000 Hz | 90.70 | 0.00 | | 76.62 | 18.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.37 |
| | 4000 Hz | 83.90 | 0.00 | | 76.62 | 62.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.30 |
| | 8000 Hz | 75.80 | 0.00 | | 76.62 | 223.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.03 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.57 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.43 |
| | 125 Hz | 108.80 | 0.00 | | 75.57 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.54 |
| | 250 Hz | 106.10 | 0.00 | | 75.57 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.77 |
| | 500 Hz | 102.40 | 0.00 | | 75.57 | 3.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.57 |
| | 1000 Hz | 98.10 | 0.00 | | 75.57 | 6.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.34 |
| | 2000 Hz | 92.80 | 0.00 | | 75.57 | 16.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.88 |
| | 4000 Hz | 85.90 | 0.00 | | 75.57 | 55.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.13 |
| | 8000 Hz | 77.90 | 0.00 | | 75.57 | 197.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -192.47 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 72.61 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.44 |
| | 125 Hz | 106.90 | 0.00 | | 72.61 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.80 |
| | 250 Hz | 104.10 | 0.00 | | 72.61 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.23 |
| | 500 Hz | 100.40 | 0.00 | | 72.61 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.47 |
| | 1000 Hz | 96.10 | 0.00 | | 72.61 | 4.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.09 |
| | 2000 Hz | 90.70 | 0.00 | | 72.61 | 11.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.46 |
| | 4000 Hz | 83.90 | 0.00 | | 72.61 | 39.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.16 |
| | 8000 Hz | 75.80 | 0.00 | | 72.61 | 140.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.52 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 67.44 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.68 |
| | 125 Hz | 108.80 | 0.00 | | 67.44 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.09 |
| | 250 Hz | 106.10 | 0.00 | | 67.44 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.97 |
| | 500 Hz | 102.40 | 0.00 | | 67.44 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.68 |
| | 1000 Hz | 98.10 | 0.00 | | 67.44 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.23 |
| | 2000 Hz | 92.80 | 0.00 | | 67.44 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.94 |
| | 4000 Hz | 85.90 | 0.00 | | 67.44 | 21.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.30 |
| | 8000 Hz | 77.90 | 0.00 | | 67.44 | 77.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.14 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 72.03 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.93 |
| | 125 Hz | 110.70 | 0.00 | | 72.03 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.21 |
| | 250 Hz | 108.00 | 0.00 | | 72.03 | 1.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.79 |
| | 500 Hz | 104.50 | 0.00 | | 72.03 | 2.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.30 |
| | 1000 Hz | 100.10 | 0.00 | | 72.03 | 4.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.95 |
| | 2000 Hz | 94.80 | 0.00 | | 72.03 | 10.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.88 |
| | 4000 Hz | 87.90 | 0.00 | | 72.03 | 36.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.04 |
| | 8000 Hz | 79.90 | 0.00 | | 72.03 | 131.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.78 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 74.19 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.94 |
| | 125 Hz | 110.90 | 0.00 | | 74.19 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.12 |
| | 250 Hz | 108.10 | 0.00 | | 74.19 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.41 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 104.40 | 0.00 | | 74.19 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.43 |
| | 1000 Hz | 100.10 | 0.00 | | 74.19 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.64 |
| | 2000 Hz | 94.80 | 0.00 | | 74.19 | 13.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.67 |
| | 4000 Hz | 88.00 | 0.00 | | 74.19 | 47.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.48 |
| | 8000 Hz | 80.00 | 0.00 | | 74.19 | 168.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -159.88 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.44 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.46 |
| | 125 Hz | 110.70 | 0.00 | | 75.44 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.57 |
| | 250 Hz | 108.00 | 0.00 | | 75.44 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.82 |
| | 500 Hz | 104.50 | 0.00 | | 75.44 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.85 |
| | 1000 Hz | 100.10 | 0.00 | | 75.44 | 6.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.56 |
| | 2000 Hz | 94.80 | 0.00 | | 75.44 | 16.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.25 |
| | 4000 Hz | 87.90 | 0.00 | | 75.44 | 54.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.19 |
| | 8000 Hz | 79.90 | 0.00 | | 75.44 | 194.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -187.45 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 76.18 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.89 |
| | 125 Hz | 110.90 | 0.00 | | 76.18 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.97 |
| | 250 Hz | 108.10 | 0.00 | | 76.18 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.02 |
| | 500 Hz | 104.40 | 0.00 | | 76.18 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.71 |
| | 1000 Hz | 100.10 | 0.00 | | 76.18 | 6.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.27 |
| | 2000 Hz | 94.80 | 0.00 | | 76.18 | 17.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.06 |
| | 4000 Hz | 88.00 | 0.00 | | 76.18 | 59.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.73 |
| | 8000 Hz | 80.00 | 0.00 | | 76.18 | 212.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.55 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 78.06 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.77 |
| | 125 Hz | 110.70 | 0.00 | | 78.06 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.72 |
| | 250 Hz | 108.00 | 0.00 | | 78.06 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.59 |
| | 500 Hz | 104.50 | 0.00 | | 78.06 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.10 |
| | 1000 Hz | 100.10 | 0.00 | | 78.06 | 8.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.80 |
| | 2000 Hz | 94.80 | 0.00 | | 78.06 | 21.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.03 |
| | 4000 Hz | 87.90 | 0.00 | | 78.06 | 73.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.01 |
| | 8000 Hz | 79.90 | 0.00 | | 78.06 | 263.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -258.55 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt024 | IP V | 380688.17 | | 5776287.43 | | 71.933 | | 43.63 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.67 | 10.42 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.84 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 67.01 | 1.22 | 4.49 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.29 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 76.02 | 3.43 | 4.61 | 0.00 | 0.00 | 0.16 | 0.00 | | 13.80 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 75.59 | 3.26 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.55 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.89 | 0.43 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 20.11 |
| | 125 Hz | 102.50 | 0.00 | | 81.89 | 1.44 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 17.40 |
| | 250 Hz | 99.20 | 0.00 | | 81.89 | 3.66 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 11.88 |
| | 500 Hz | 96.00 | 0.00 | | 81.89 | 6.76 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 5.58 |
| | 1000 Hz | 92.30 | 0.00 | | 81.89 | 12.82 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -4.18 |
| | 2000 Hz | 89.10 | 0.00 | | 81.89 | 33.87 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -28.43 |
| | 4000 Hz | 85.30 | 0.00 | | 81.89 | 114.86 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -113.22 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 82.08 | 0.44 | -3.00 | 0.00 | 0.00 | 4.71 | 0.00 | 22.97 |
| | 125 Hz | 105.50 | 0.00 | | 82.08 | 1.47 | -3.00 | 0.00 | 0.00 | 4.65 | 0.00 | 20.30 |
| | 250 Hz | 102.20 | 0.00 | | 82.08 | 3.74 | -3.00 | 0.00 | 0.00 | 4.52 | 0.00 | 14.86 |
| | 500 Hz | 99.00 | 0.00 | | 82.08 | 6.91 | -3.00 | 0.00 | 0.00 | 4.24 | 0.00 | 8.77 |
| | 1000 Hz | 95.30 | 0.00 | | 82.08 | 13.10 | -3.00 | 0.00 | 0.00 | 3.65 | 0.00 | -0.53 |
| | 2000 Hz | 92.10 | 0.00 | | 82.08 | 34.62 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | -23.73 |
| | 4000 Hz | 88.30 | 0.00 | | 82.08 | 117.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -108.19 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.62 | 0.14 | -3.00 | 0.00 | 0.00 | 1.57 | 0.00 | 38.07 |
| | 63 Hz | 116.40 | 0.00 | | 83.62 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.26 |
| | 125 Hz | 110.70 | 0.00 | | 83.62 | 1.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.32 |
| | 250 Hz | 104.40 | 0.00 | | 83.62 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.32 |
| | 500 Hz | 101.20 | 0.00 | | 83.62 | 8.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.34 |
| | 1000 Hz | 99.40 | 0.00 | | 83.62 | 15.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 |
| | 2000 Hz | 93.80 | 0.00 | | 83.62 | 41.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.14 |
| | 4000 Hz | 86.70 | 0.00 | | 83.62 | 140.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -134.05 |
| | 8000 Hz | 78.40 | 0.00 | | 83.62 | 499.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -502.02 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 76.95 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.38 |
| | 63 Hz | 116.40 | 0.00 | | 76.95 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.20 |
| | 125 Hz | 110.70 | 0.00 | | 76.95 | 0.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.93 |
| | 250 Hz | 104.40 | 0.00 | | 76.95 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.37 |
| | 500 Hz | 101.20 | 0.00 | | 76.95 | 3.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.42 |
| | 1000 Hz | 99.40 | 0.00 | | 76.95 | 7.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.19 |
| | 2000 Hz | 93.80 | 0.00 | | 76.95 | 19.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 |
| | 4000 Hz | 86.70 | 0.00 | | 76.95 | 65.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.31 |
| | 8000 Hz | 78.40 | 0.00 | | 76.95 | 232.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -227.59 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.60 | 0.12 | -3.00 | 0.00 | 0.00 | 4.46 | 0.00 | 36.22 |
| | 63 Hz | 116.40 | 0.00 | | 82.60 | 0.46 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | 32.22 |
| | 125 Hz | 110.70 | 0.00 | | 82.60 | 1.56 | -3.00 | 0.00 | 0.00 | 3.37 | 0.00 | 26.17 |
| | 250 Hz | 104.40 | 0.00 | | 82.60 | 3.97 | -3.00 | 0.00 | 0.00 | 1.28 | 0.00 | 19.55 |
| | 500 Hz | 101.20 | 0.00 | | 82.60 | 7.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.27 |
| | 1000 Hz | 99.40 | 0.00 | | 82.60 | 13.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.89 |
| | 2000 Hz | 93.80 | 0.00 | | 82.60 | 36.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.55 |
| | 4000 Hz | 86.70 | 0.00 | | 82.60 | 124.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -117.53 |
| | 8000 Hz | 78.40 | 0.00 | | 82.60 | 444.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -445.70 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.23 | 0.13 | -3.00 | 0.00 | 0.00 | 1.50 | 0.00 | 38.54 |
| | 63 Hz | 116.40 | 0.00 | | 83.23 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.67 |
| | 125 Hz | 110.70 | 0.00 | | 83.23 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.79 |
| | 250 Hz | 104.40 | 0.00 | | 83.23 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.90 |
| | 500 Hz | 101.20 | 0.00 | | 83.23 | 7.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.09 |
| | 1000 Hz | 99.40 | 0.00 | | 83.23 | 14.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.21 |
| | 2000 Hz | 93.80 | 0.00 | | 83.23 | 39.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.95 |
| | 4000 Hz | 86.70 | 0.00 | | 83.23 | 134.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -127.56 |
| | 8000 Hz | 78.40 | 0.00 | | 83.23 | 478.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -479.86 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.02 | 0.10 | -3.00 | 0.00 | 0.00 | 2.34 | 0.00 | 39.94 |
| | 63 Hz | 116.40 | 0.00 | | 81.02 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.00 |
| | 125 Hz | 110.70 | 0.00 | | 81.02 | 1.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.38 |
| | 250 Hz | 104.40 | 0.00 | | 81.02 | 3.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.08 |
| | 500 Hz | 101.20 | 0.00 | | 81.02 | 6.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.07 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.40 | 0.00 | | 81.02 | 11.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.79 |
| | 2000 Hz | 93.80 | 0.00 | | 81.02 | 30.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.85 |
| | 4000 Hz | 86.70 | 0.00 | | 81.02 | 103.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -95.18 |
| | 8000 Hz | 78.40 | 0.00 | | 81.02 | 370.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -370.06 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.56 | 0.11 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | 39.51 |
| | 63 Hz | 116.40 | 0.00 | | 81.56 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.43 |
| | 125 Hz | 110.70 | 0.00 | | 81.56 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.76 |
| | 250 Hz | 104.40 | 0.00 | | 81.56 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.33 |
| | 500 Hz | 101.20 | 0.00 | | 81.56 | 6.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.14 |
| | 1000 Hz | 99.40 | 0.00 | | 81.56 | 12.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.51 |
| | 2000 Hz | 93.80 | 0.00 | | 81.56 | 32.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.35 |
| | 4000 Hz | 86.70 | 0.00 | | 81.56 | 110.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -102.37 |
| | 8000 Hz | 78.40 | 0.00 | | 81.56 | 394.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -394.32 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.93 | 0.13 | -3.00 | 0.00 | 0.00 | 4.26 | 0.00 | 36.08 |
| | 63 Hz | 116.40 | 0.00 | | 82.93 | 0.48 | -3.00 | 0.00 | 0.00 | 3.69 | 0.00 | 32.31 |
| | 125 Hz | 110.70 | 0.00 | | 82.93 | 1.62 | -3.00 | 0.00 | 0.00 | 2.26 | 0.00 | 26.89 |
| | 250 Hz | 104.40 | 0.00 | | 82.93 | 4.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.35 |
| | 500 Hz | 101.20 | 0.00 | | 82.93 | 7.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.66 |
| | 1000 Hz | 99.40 | 0.00 | | 82.93 | 14.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 |
| | 2000 Hz | 93.80 | 0.00 | | 82.93 | 38.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.29 |
| | 4000 Hz | 86.70 | 0.00 | | 82.93 | 129.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -122.65 |
| | 8000 Hz | 78.40 | 0.00 | | 82.93 | 461.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -463.12 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.17 | 0.12 | -3.00 | 0.00 | 0.00 | 3.77 | 0.00 | 37.35 |
| | 63 Hz | 116.40 | 0.00 | | 82.17 | 0.44 | -3.00 | 0.00 | 0.00 | 2.47 | 0.00 | 34.32 |
| | 125 Hz | 110.70 | 0.00 | | 82.17 | 1.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.05 |
| | 250 Hz | 104.40 | 0.00 | | 82.17 | 3.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.46 |
| | 500 Hz | 101.20 | 0.00 | | 82.17 | 6.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.06 |
| | 1000 Hz | 99.40 | 0.00 | | 82.17 | 13.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 |
| | 2000 Hz | 93.80 | 0.00 | | 82.17 | 34.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.33 |
| | 4000 Hz | 86.70 | 0.00 | | 82.17 | 118.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -111.02 |
| | 8000 Hz | 78.40 | 0.00 | | 82.17 | 422.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -423.61 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 81.49 | 0.11 | -3.00 | 0.00 | 0.00 | 1.41 | 0.00 | 37.08 |
| | 63 Hz | 113.10 | 0.00 | | 81.49 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.20 |
| | 125 Hz | 107.40 | 0.00 | | 81.49 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.53 |
| | 250 Hz | 101.10 | 0.00 | | 81.49 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.11 |
| | 500 Hz | 97.90 | 0.00 | | 81.49 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.95 |
| | 1000 Hz | 96.10 | 0.00 | | 81.49 | 12.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.36 |
| | 2000 Hz | 90.50 | 0.00 | | 81.49 | 32.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.35 |
| | 4000 Hz | 83.40 | 0.00 | | 81.49 | 109.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -104.81 |
| | 8000 Hz | 75.10 | 0.00 | | 81.49 | 391.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -394.71 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.69 | 0.12 | -3.00 | 0.00 | 0.00 | 3.95 | 0.00 | 36.64 |
| | 63 Hz | 116.40 | 0.00 | | 82.69 | 0.47 | -3.00 | 0.00 | 0.00 | 2.93 | 0.00 | 33.31 |
| | 125 Hz | 110.70 | 0.00 | | 82.69 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.43 |
| | 250 Hz | 104.40 | 0.00 | | 82.69 | 4.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.70 |
| | 500 Hz | 101.20 | 0.00 | | 82.69 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.10 |
| | 1000 Hz | 99.40 | 0.00 | | 82.69 | 14.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.65 |
| | 2000 Hz | 93.80 | 0.00 | | 82.69 | 37.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.04 |
| | 4000 Hz | 86.70 | 0.00 | | 82.69 | 125.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.95 |
| | 8000 Hz | 78.40 | 0.00 | | 82.69 | 449.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -450.53 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.59 | 0.14 | -3.00 | 0.00 | 0.00 | 1.53 | 0.00 | | 38.14 |
| | 63 Hz | 116.40 | 0.00 | | 83.59 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.29 |
| | 125 Hz | 110.70 | 0.00 | | 83.59 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.36 |
| | 250 Hz | 104.40 | 0.00 | | 83.59 | 4.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.36 |
| | 500 Hz | 101.20 | 0.00 | | 83.59 | 8.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.39 |
| | 1000 Hz | 99.40 | 0.00 | | 83.59 | 15.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.22 |
| | 2000 Hz | 93.80 | 0.00 | | 83.59 | 41.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.98 |
| | 4000 Hz | 86.70 | 0.00 | | 83.59 | 139.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.58 |
| | 8000 Hz | 78.40 | 0.00 | | 83.59 | 498.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -500.41 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.54 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.44 |
| | 125 Hz | 104.80 | 0.00 | | 86.54 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.81 |
| | 250 Hz | 101.50 | 0.00 | | 86.54 | 6.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.72 |
| | 500 Hz | 97.10 | 0.00 | | 86.54 | 11.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.03 |
| | 1000 Hz | 91.00 | 0.00 | | 86.54 | 21.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.41 |
| | 2000 Hz | 86.30 | 0.00 | | 86.54 | 57.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.05 |
| | 4000 Hz | 80.30 | 0.00 | | 86.54 | 196.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -199.28 |
| | 8000 Hz | 74.00 | 0.00 | | 86.54 | 699.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -708.75 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.98 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.82 |
| | 63 Hz | 113.00 | 0.00 | | 86.98 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.25 |
| | 125 Hz | 108.60 | 0.00 | | 86.98 | 2.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.03 |
| | 250 Hz | 105.70 | 0.00 | | 86.98 | 6.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.15 |
| | 500 Hz | 101.70 | 0.00 | | 86.98 | 12.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.58 |
| | 1000 Hz | 95.50 | 0.00 | | 86.98 | 23.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.51 |
| | 2000 Hz | 89.70 | 0.00 | | 86.98 | 60.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.14 |
| | 4000 Hz | 82.20 | 0.00 | | 86.98 | 206.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -208.16 |
| | 8000 Hz | 74.00 | 0.00 | | 86.98 | 736.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -746.06 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.03 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.77 |
| | 63 Hz | 113.00 | 0.00 | | 87.03 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.20 |
| | 125 Hz | 108.60 | 0.00 | | 87.03 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.97 |
| | 250 Hz | 105.70 | 0.00 | | 87.03 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.07 |
| | 500 Hz | 101.70 | 0.00 | | 87.03 | 12.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.47 |
| | 1000 Hz | 95.50 | 0.00 | | 87.03 | 23.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.68 |
| | 2000 Hz | 89.70 | 0.00 | | 87.03 | 61.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.52 |
| | 4000 Hz | 82.20 | 0.00 | | 87.03 | 207.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -209.32 |
| | 8000 Hz | 74.00 | 0.00 | | 87.03 | 740.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -750.08 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 85.10 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.64 |
| | 63 Hz | 111.30 | 0.00 | | 85.10 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.59 |
| | 125 Hz | 107.40 | 0.00 | | 85.10 | 2.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.22 |
| | 250 Hz | 102.80 | 0.00 | | 85.10 | 5.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.41 |
| | 500 Hz | 99.70 | 0.00 | | 85.10 | 9.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.83 |
| | 1000 Hz | 96.60 | 0.00 | | 85.10 | 18.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.04 |
| | 2000 Hz | 91.70 | 0.00 | | 85.10 | 48.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.39 |
| | 4000 Hz | 85.00 | 0.00 | | 85.10 | 166.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -163.24 |
| | 8000 Hz | 87.30 | 0.00 | | 85.10 | 592.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -587.37 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.93 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.20 |
| | 125 Hz | 108.60 | 0.00 | | 86.93 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.09 |
| | 250 Hz | 103.40 | 0.00 | | 86.93 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.93 |
| | 500 Hz | 99.10 | 0.00 | | 86.93 | 12.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.10 |
| | 1000 Hz | 98.00 | 0.00 | | 86.93 | 22.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.84 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 89.80 | 0.00 | | 86.93 | 60.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.65 |
| | 4000 Hz | 85.30 | 0.00 | | 86.93 | 205.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.86 |
| | 8000 Hz | 80.10 | 0.00 | | 86.93 | 731.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -735.82 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.75 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.65 |
| | 63 Hz | 112.30 | 0.00 | | 86.75 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.80 |
| | 125 Hz | 108.10 | 0.00 | | 86.75 | 2.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.83 |
| | 250 Hz | 103.50 | 0.00 | | 86.75 | 6.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.35 |
| | 500 Hz | 100.70 | 0.00 | | 86.75 | 11.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.13 |
| | 1000 Hz | 98.30 | 0.00 | | 86.75 | 22.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.88 |
| | 2000 Hz | 93.80 | 0.00 | | 86.75 | 59.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.21 |
| | 4000 Hz | 86.20 | 0.00 | | 86.75 | 200.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.50 |
| | 8000 Hz | 78.20 | 0.00 | | 86.75 | 716.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -722.27 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.41 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.00 |
| | 63 Hz | 111.70 | 0.00 | | 86.41 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.58 |
| | 125 Hz | 106.40 | 0.00 | | 86.41 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.57 |
| | 250 Hz | 102.10 | 0.00 | | 86.41 | 6.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.54 |
| | 500 Hz | 99.10 | 0.00 | | 86.41 | 11.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.33 |
| | 1000 Hz | 96.90 | 0.00 | | 86.41 | 21.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.06 |
| | 2000 Hz | 90.50 | 0.00 | | 86.41 | 56.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.87 |
| | 4000 Hz | 81.00 | 0.00 | | 86.41 | 193.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -195.56 |
| | 8000 Hz | 76.50 | 0.00 | | 86.41 | 688.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -695.82 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.37 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.92 |
| | 63 Hz | 110.40 | 0.00 | | 87.37 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.23 |
| | 125 Hz | 107.20 | 0.00 | | 87.37 | 2.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.12 |
| | 250 Hz | 101.70 | 0.00 | | 87.37 | 6.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.46 |
| | 500 Hz | 98.20 | 0.00 | | 87.37 | 12.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.13 |
| | 1000 Hz | 95.60 | 0.00 | | 87.37 | 24.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.86 |
| | 2000 Hz | 93.70 | 0.00 | | 87.37 | 63.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.33 |
| | 4000 Hz | 90.70 | 0.00 | | 87.37 | 215.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -209.53 |
| | 8000 Hz | 79.50 | 0.00 | | 87.37 | 769.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -774.78 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.25 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.41 |
| | 63 Hz | 111.60 | 0.00 | | 83.25 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.85 |
| | 125 Hz | 108.60 | 0.00 | | 83.25 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.66 |
| | 250 Hz | 106.50 | 0.00 | | 83.25 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.97 |
| | 500 Hz | 102.90 | 0.00 | | 83.25 | 7.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.74 |
| | 1000 Hz | 99.60 | 0.00 | | 83.25 | 15.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.35 |
| | 2000 Hz | 95.90 | 0.00 | | 83.25 | 39.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.98 |
| | 4000 Hz | 90.10 | 0.00 | | 83.25 | 134.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.53 |
| | 8000 Hz | 76.30 | 0.00 | | 83.25 | 479.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -483.21 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 83.34 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.33 |
| | 63 Hz | 111.60 | 0.00 | | 83.34 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.76 |
| | 125 Hz | 108.60 | 0.00 | | 83.34 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.56 |
| | 250 Hz | 106.50 | 0.00 | | 83.34 | 4.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.85 |
| | 500 Hz | 102.90 | 0.00 | | 83.34 | 7.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.59 |
| | 1000 Hz | 99.60 | 0.00 | | 83.34 | 15.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.13 |
| | 2000 Hz | 95.90 | 0.00 | | 83.34 | 40.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.44 |
| | 4000 Hz | 90.10 | 0.00 | | 83.34 | 135.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.89 |
| | 8000 Hz | 76.30 | 0.00 | | 83.34 | 483.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -487.85 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 113.80 | 0.00 | | 81.94 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.75 |
| | 63 Hz | 111.60 | 0.00 | | 81.94 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.24 |
| | 125 Hz | 108.60 | 0.00 | | 81.94 | 1.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.22 |
| | 250 Hz | 106.50 | 0.00 | | 81.94 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.89 |
| | 500 Hz | 102.90 | 0.00 | | 81.94 | 6.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.18 |
| | 1000 Hz | 99.60 | 0.00 | | 81.94 | 12.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.78 |
| | 2000 Hz | 95.90 | 0.00 | | 81.94 | 34.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.08 |
| | 4000 Hz | 90.10 | 0.00 | | 81.94 | 115.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.27 |
| | 8000 Hz | 76.30 | 0.00 | | 81.94 | 411.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -414.35 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.53 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.16 |
| | 63 Hz | 111.60 | 0.00 | | 81.53 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.66 |
| | 125 Hz | 108.60 | 0.00 | | 81.53 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.69 |
| | 250 Hz | 106.50 | 0.00 | | 81.53 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.46 |
| | 500 Hz | 102.90 | 0.00 | | 81.53 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.89 |
| | 1000 Hz | 99.60 | 0.00 | | 81.53 | 12.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.77 |
| | 2000 Hz | 95.90 | 0.00 | | 81.53 | 32.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.13 |
| | 4000 Hz | 90.10 | 0.00 | | 81.53 | 110.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.62 |
| | 8000 Hz | 76.30 | 0.00 | | 81.53 | 393.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -395.25 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.69 | 0.11 | -3.00 | 0.00 | 0.00 | 4.00 | 0.00 | | 31.01 |
| | 63 Hz | 111.60 | 0.00 | | 81.69 | 0.42 | -3.00 | 0.00 | 0.00 | 3.05 | 0.00 | | 29.44 |
| | 125 Hz | 108.60 | 0.00 | | 81.69 | 1.41 | -3.00 | 0.00 | 0.00 | 0.23 | 0.00 | | 28.28 |
| | 250 Hz | 106.50 | 0.00 | | 81.69 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.24 |
| | 500 Hz | 102.90 | 0.00 | | 81.69 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.61 |
| | 1000 Hz | 99.60 | 0.00 | | 81.69 | 12.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.39 |
| | 2000 Hz | 95.90 | 0.00 | | 81.69 | 33.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.88 |
| | 4000 Hz | 90.10 | 0.00 | | 81.69 | 112.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.80 |
| | 8000 Hz | 76.30 | 0.00 | | 81.69 | 400.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.59 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.16 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.55 |
| | 63 Hz | 111.60 | 0.00 | | 80.16 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.09 |
| | 125 Hz | 108.60 | 0.00 | | 80.16 | 1.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.26 |
| | 250 Hz | 106.50 | 0.00 | | 80.16 | 2.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.35 |
| | 500 Hz | 102.90 | 0.00 | | 80.16 | 5.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.21 |
| | 1000 Hz | 99.60 | 0.00 | | 80.16 | 10.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.94 |
| | 2000 Hz | 95.90 | 0.00 | | 80.16 | 27.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.00 |
| | 4000 Hz | 90.10 | 0.00 | | 80.16 | 94.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.14 |
| | 8000 Hz | 76.30 | 0.00 | | 80.16 | 335.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -336.42 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.67 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.04 |
| | 63 Hz | 111.60 | 0.00 | | 79.67 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.59 |
| | 125 Hz | 108.60 | 0.00 | | 79.67 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.81 |
| | 250 Hz | 106.50 | 0.00 | | 79.67 | 2.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.99 |
| | 500 Hz | 102.90 | 0.00 | | 79.67 | 5.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.99 |
| | 1000 Hz | 99.60 | 0.00 | | 79.67 | 9.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.99 |
| | 2000 Hz | 95.90 | 0.00 | | 79.67 | 26.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.02 |
| | 4000 Hz | 90.10 | 0.00 | | 79.67 | 88.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.56 |
| | 8000 Hz | 76.30 | 0.00 | | 79.67 | 317.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -317.76 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.39 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.31 |
| | 63 Hz | 111.60 | 0.00 | | 80.39 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.85 |
| | 125 Hz | 108.60 | 0.00 | | 80.39 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.99 |
| | 250 Hz | 106.50 | 0.00 | | 80.39 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.03 |
| | 500 Hz | 102.90 | 0.00 | | 80.39 | 5.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.82 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 99.60 | 0.00 | | 80.39 | 10.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.42 |
| | 2000 Hz | 95.90 | 0.00 | | 80.39 | 28.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.00 |
| | 4000 Hz | 90.10 | 0.00 | | 80.39 | 96.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.96 |
| | 8000 Hz | 76.30 | 0.00 | | 80.39 | 344.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -345.88 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 84.14 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.79 |
| | 125 Hz | 5.20 | 0.00 | | 84.14 | 1.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.80 |
| | 250 Hz | 1.90 | 0.00 | | 84.14 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.97 |
| | 500 Hz | -1.30 | 0.00 | | 84.14 | 8.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.19 |
| | 1000 Hz | -5.00 | 0.00 | | 84.14 | 16.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.74 |
| | 2000 Hz | -8.20 | 0.00 | | 84.14 | 43.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.21 |
| | 4000 Hz | -12.00 | 0.00 | | 84.14 | 148.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -241.90 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 76.22 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.76 |
| | 125 Hz | 106.50 | 0.00 | | 76.22 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.53 |
| | 250 Hz | 103.20 | 0.00 | | 76.22 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.07 |
| | 500 Hz | 100.00 | 0.00 | | 76.22 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.26 |
| | 1000 Hz | 96.30 | 0.00 | | 76.22 | 6.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.40 |
| | 2000 Hz | 93.10 | 0.00 | | 76.22 | 17.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.24 |
| | 4000 Hz | 89.30 | 0.00 | | 76.22 | 59.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.72 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.71 | 0.12 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 30.20 |
| | 63 Hz | 110.90 | 0.00 | | 82.71 | 0.47 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 25.95 |
| | 125 Hz | 108.00 | 0.00 | | 82.71 | 1.58 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 21.94 |
| | 250 Hz | 103.80 | 0.00 | | 82.71 | 4.02 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 15.31 |
| | 500 Hz | 101.90 | 0.00 | | 82.71 | 7.42 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 10.00 |
| | 1000 Hz | 98.90 | 0.00 | | 82.71 | 14.08 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | 0.35 |
| | 2000 Hz | 94.60 | 0.00 | | 82.71 | 37.20 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -27.07 |
| | 4000 Hz | 88.20 | 0.00 | | 82.71 | 126.14 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -122.42 |
| | 8000 Hz | 78.80 | 0.00 | | 82.71 | 449.91 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | | -455.58 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.59 | 0.11 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | | 31.54 |
| | 63 Hz | 110.90 | 0.00 | | 81.59 | 0.41 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | 27.55 |
| | 125 Hz | 108.00 | 0.00 | | 81.59 | 1.39 | -3.00 | 0.00 | 0.00 | 3.88 | 0.00 | | 24.14 |
| | 250 Hz | 103.80 | 0.00 | | 81.59 | 3.53 | -3.00 | 0.00 | 0.00 | 2.76 | 0.00 | | 18.92 |
| | 500 Hz | 101.90 | 0.00 | | 81.59 | 6.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.79 |
| | 1000 Hz | 98.90 | 0.00 | | 81.59 | 12.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.93 |
| | 2000 Hz | 94.60 | 0.00 | | 81.59 | 32.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.70 |
| | 4000 Hz | 88.20 | 0.00 | | 81.59 | 110.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.33 |
| | 8000 Hz | 78.80 | 0.00 | | 81.59 | 395.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -395.46 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.15 | 0.12 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | | 30.92 |
| | 63 Hz | 110.90 | 0.00 | | 82.15 | 0.44 | -3.00 | 0.00 | 0.00 | 4.45 | 0.00 | | 26.86 |
| | 125 Hz | 108.00 | 0.00 | | 82.15 | 1.48 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | | 23.26 |
| | 250 Hz | 103.80 | 0.00 | | 82.15 | 3.77 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | | 17.55 |
| | 500 Hz | 101.90 | 0.00 | | 82.15 | 6.96 | -3.00 | 0.00 | 0.00 | 1.14 | 0.00 | | 14.64 |
| | 1000 Hz | 98.90 | 0.00 | | 82.15 | 13.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.54 |
| | 2000 Hz | 94.60 | 0.00 | | 82.15 | 34.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.45 |
| | 4000 Hz | 88.20 | 0.00 | | 82.15 | 118.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.31 |
| | 8000 Hz | 78.80 | 0.00 | | 82.15 | 422.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -422.48 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.64 | 0.10 | -3.00 | 0.00 | 0.00 | 3.66 | 0.00 | | 33.41 |
| | 63 Hz | 110.90 | 0.00 | | 80.64 | 0.37 | -3.00 | 0.00 | 0.00 | 2.15 | 0.00 | | 30.74 |
| | 125 Hz | 108.00 | 0.00 | | 80.64 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.11 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 103.80 | 0.00 | | 80.64 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.00 |
| | 500 Hz | 101.90 | 0.00 | | 80.64 | 5.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.41 |
| | 1000 Hz | 98.90 | 0.00 | | 80.64 | 11.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.16 |
| | 2000 Hz | 94.60 | 0.00 | | 80.64 | 29.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.36 |
| | 4000 Hz | 88.20 | 0.00 | | 80.64 | 99.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.87 |
| | 8000 Hz | 78.80 | 0.00 | | 80.64 | 354.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -353.48 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 75.62 | 0.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.53 |
| | 63 Hz | 122.10 | 0.00 | | 75.62 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.28 |
| | 125 Hz | 115.00 | 0.00 | | 75.62 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.68 |
| | 250 Hz | 108.00 | 0.00 | | 75.62 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.61 |
| | 500 Hz | 103.90 | 0.00 | | 75.62 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.00 |
| | 1000 Hz | 101.60 | 0.00 | | 75.62 | 6.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.76 |
| | 2000 Hz | 96.70 | 0.00 | | 75.62 | 16.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.64 |
| | 4000 Hz | 88.60 | 0.00 | | 75.62 | 55.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -39.78 |
| | 8000 Hz | 80.90 | 0.00 | | 75.62 | 198.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.62 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 77.08 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.18 |
| | 125 Hz | 109.80 | 0.00 | | 77.08 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.89 |
| | 250 Hz | 107.40 | 0.00 | | 77.08 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.22 |
| | 500 Hz | 101.60 | 0.00 | | 77.08 | 3.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.64 |
| | 1000 Hz | 94.50 | 0.00 | | 77.08 | 7.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.06 |
| | 2000 Hz | 88.00 | 0.00 | | 77.08 | 19.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.54 |
| | 4000 Hz | 85.30 | 0.00 | | 77.08 | 65.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.77 |
| | 8000 Hz | 79.90 | 0.00 | | 77.08 | 235.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.56 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.55 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.79 |
| | 125 Hz | 110.80 | 0.00 | | 77.55 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.37 |
| | 250 Hz | 105.10 | 0.00 | | 77.55 | 2.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.33 |
| | 500 Hz | 102.60 | 0.00 | | 77.55 | 4.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.95 |
| | 1000 Hz | 99.60 | 0.00 | | 77.55 | 7.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.27 |
| | 2000 Hz | 93.10 | 0.00 | | 77.55 | 20.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.00 |
| | 4000 Hz | 80.70 | 0.00 | | 77.55 | 69.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.54 |
| | 8000 Hz | 77.00 | 0.00 | | 77.55 | 248.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -246.11 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.11 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.22 |
| | 125 Hz | 110.80 | 0.00 | | 78.11 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.76 |
| | 250 Hz | 105.10 | 0.00 | | 78.11 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.63 |
| | 500 Hz | 102.60 | 0.00 | | 78.11 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.12 |
| | 1000 Hz | 99.60 | 0.00 | | 78.11 | 8.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.20 |
| | 2000 Hz | 93.10 | 0.00 | | 78.11 | 21.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.91 |
| | 4000 Hz | 80.70 | 0.00 | | 78.11 | 74.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.69 |
| | 8000 Hz | 77.00 | 0.00 | | 78.11 | 264.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -263.05 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.58 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.73 |
| | 125 Hz | 110.80 | 0.00 | | 78.58 | 0.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.24 |
| | 250 Hz | 105.10 | 0.00 | | 78.58 | 2.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.02 |
| | 500 Hz | 102.60 | 0.00 | | 78.58 | 4.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.41 |
| | 1000 Hz | 99.60 | 0.00 | | 78.58 | 8.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.27 |
| | 2000 Hz | 93.10 | 0.00 | | 78.58 | 23.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.61 |
| | 4000 Hz | 80.70 | 0.00 | | 78.58 | 78.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.33 |
| | 8000 Hz | 77.00 | 0.00 | | 78.58 | 279.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -278.38 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 76.25 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.93 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 104.80 | 0.00 | | 76.25 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.80 |
| | 250 Hz | 99.40 | 0.00 | | 76.25 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.24 |
| | 500 Hz | 95.00 | 0.00 | | 76.25 | 3.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.23 |
| | 1000 Hz | 93.20 | 0.00 | | 76.25 | 6.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.26 |
| | 2000 Hz | 89.10 | 0.00 | | 76.25 | 17.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.83 |
| | 4000 Hz | 83.90 | 0.00 | | 76.25 | 59.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.31 |
| | 8000 Hz | 82.20 | 0.00 | | 76.25 | 213.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -204.92 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.73 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.63 |
| | 125 Hz | 111.00 | 0.00 | | 88.73 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.10 |
| | 250 Hz | 106.60 | 0.00 | | 88.73 | 8.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.83 |
| | 500 Hz | 103.70 | 0.00 | | 88.73 | 14.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 |
| | 1000 Hz | 99.80 | 0.00 | | 88.73 | 28.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.10 |
| | 2000 Hz | 95.60 | 0.00 | | 88.73 | 74.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.57 |
| | 4000 Hz | 86.90 | 0.00 | | 88.73 | 252.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -251.27 |
| | 8000 Hz | 65.40 | 0.00 | | 88.73 | 900.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -920.69 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.15 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.28 |
| | 125 Hz | 111.00 | 0.00 | | 88.15 | 2.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.89 |
| | 250 Hz | 106.60 | 0.00 | | 88.15 | 7.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.94 |
| | 500 Hz | 103.70 | 0.00 | | 88.15 | 13.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 |
| | 1000 Hz | 99.80 | 0.00 | | 88.15 | 26.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.68 |
| | 2000 Hz | 95.60 | 0.00 | | 88.15 | 69.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -59.14 |
| | 4000 Hz | 86.90 | 0.00 | | 88.15 | 236.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -234.26 |
| | 8000 Hz | 65.40 | 0.00 | | 88.15 | 841.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -861.50 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.00 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.53 |
| | 125 Hz | 111.00 | 0.00 | | 87.00 | 2.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.41 |
| | 250 Hz | 106.60 | 0.00 | | 87.00 | 6.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.02 |
| | 500 Hz | 103.70 | 0.00 | | 87.00 | 12.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.54 |
| | 1000 Hz | 99.80 | 0.00 | | 87.00 | 23.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.28 |
| | 2000 Hz | 95.60 | 0.00 | | 87.00 | 60.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.38 |
| | 4000 Hz | 86.90 | 0.00 | | 87.00 | 206.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -203.89 |
| | 8000 Hz | 65.40 | 0.00 | | 87.00 | 737.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -756.16 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.90 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.24 |
| | 125 Hz | 110.20 | 0.00 | | 86.90 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.73 |
| | 250 Hz | 105.30 | 0.00 | | 86.90 | 6.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.89 |
| | 500 Hz | 102.70 | 0.00 | | 86.90 | 12.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.77 |
| | 1000 Hz | 99.80 | 0.00 | | 86.90 | 22.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.93 |
| | 2000 Hz | 95.50 | 0.00 | | 86.90 | 60.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -48.72 |
| | 4000 Hz | 84.90 | 0.00 | | 86.90 | 204.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -203.53 |
| | 8000 Hz | 61.80 | 0.00 | | 86.90 | 729.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -751.59 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 86.93 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.21 |
| | 125 Hz | 110.20 | 0.00 | | 86.93 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.70 |
| | 250 Hz | 105.30 | 0.00 | | 86.93 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.84 |
| | 500 Hz | 102.70 | 0.00 | | 86.93 | 12.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.70 |
| | 1000 Hz | 99.80 | 0.00 | | 86.93 | 22.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.03 |
| | 2000 Hz | 95.50 | 0.00 | | 86.93 | 60.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -48.94 |
| | 4000 Hz | 84.90 | 0.00 | | 86.93 | 205.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -204.22 |
| | 8000 Hz | 61.80 | 0.00 | | 86.93 | 731.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -753.97 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.08 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.53 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 111.00 | 0.00 | | 86.08 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.59 |
| | 250 Hz | 106.60 | 0.00 | | 86.08 | 5.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.61 |
| | 500 Hz | 103.70 | 0.00 | | 86.08 | 10.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.69 |
| | 1000 Hz | 99.80 | 0.00 | | 86.08 | 20.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.03 |
| | 2000 Hz | 95.60 | 0.00 | | 86.08 | 54.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.31 |
| | 4000 Hz | 86.90 | 0.00 | | 86.08 | 185.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.12 |
| | 8000 Hz | 65.40 | 0.00 | | 86.08 | 663.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -680.87 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.10 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.50 |
| | 125 Hz | 111.00 | 0.00 | | 86.10 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.56 |
| | 250 Hz | 106.60 | 0.00 | | 86.10 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.56 |
| | 500 Hz | 103.70 | 0.00 | | 86.10 | 10.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.62 |
| | 1000 Hz | 99.80 | 0.00 | | 86.10 | 20.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.12 |
| | 2000 Hz | 95.60 | 0.00 | | 86.10 | 55.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.52 |
| | 4000 Hz | 86.90 | 0.00 | | 86.10 | 186.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.75 |
| | 8000 Hz | 65.40 | 0.00 | | 86.10 | 665.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -683.06 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 74.89 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.71 |
| | 125 Hz | 104.80 | 0.00 | | 74.89 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.26 |
| | 250 Hz | 101.20 | 0.00 | | 74.89 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.67 |
| | 500 Hz | 96.80 | 0.00 | | 74.89 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.89 |
| | 1000 Hz | 92.70 | 0.00 | | 74.89 | 5.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.08 |
| | 2000 Hz | 90.50 | 0.00 | | 74.89 | 15.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.47 |
| | 4000 Hz | 84.90 | 0.00 | | 74.89 | 51.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.32 |
| | 8000 Hz | 70.70 | 0.00 | | 74.89 | 183.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -184.24 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 76.58 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.39 |
| | 125 Hz | 106.90 | 0.00 | | 76.58 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.54 |
| | 250 Hz | 104.10 | 0.00 | | 76.58 | 1.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.54 |
| | 500 Hz | 100.40 | 0.00 | | 76.58 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.15 |
| | 1000 Hz | 96.10 | 0.00 | | 76.58 | 6.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.57 |
| | 2000 Hz | 90.70 | 0.00 | | 76.58 | 18.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.26 |
| | 4000 Hz | 83.90 | 0.00 | | 76.58 | 62.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.00 |
| | 8000 Hz | 75.80 | 0.00 | | 76.58 | 222.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.04 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.42 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.57 |
| | 125 Hz | 108.80 | 0.00 | | 75.42 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.69 |
| | 250 Hz | 106.10 | 0.00 | | 75.42 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.94 |
| | 500 Hz | 102.40 | 0.00 | | 75.42 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.77 |
| | 1000 Hz | 98.10 | 0.00 | | 75.42 | 6.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.59 |
| | 2000 Hz | 92.80 | 0.00 | | 75.42 | 16.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.29 |
| | 4000 Hz | 85.90 | 0.00 | | 75.42 | 54.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.07 |
| | 8000 Hz | 77.90 | 0.00 | | 75.42 | 194.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -189.07 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 72.50 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.56 |
| | 125 Hz | 106.90 | 0.00 | | 72.50 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.92 |
| | 250 Hz | 104.10 | 0.00 | | 72.50 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.36 |
| | 500 Hz | 100.40 | 0.00 | | 72.50 | 2.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.61 |
| | 1000 Hz | 96.10 | 0.00 | | 72.50 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.26 |
| | 2000 Hz | 90.70 | 0.00 | | 72.50 | 11.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.72 |
| | 4000 Hz | 83.90 | 0.00 | | 72.50 | 38.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.54 |
| | 8000 Hz | 75.80 | 0.00 | | 72.50 | 138.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.59 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 66.57 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.56 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 108.80 | 0.00 | | 66.57 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.98 |
| | 250 Hz | 106.10 | 0.00 | | 66.57 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.90 |
| | 500 Hz | 102.40 | 0.00 | | 66.57 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.67 |
| | 1000 Hz | 98.10 | 0.00 | | 66.57 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.33 |
| | 2000 Hz | 92.80 | 0.00 | | 66.57 | 5.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.42 |
| | 4000 Hz | 85.90 | 0.00 | | 66.57 | 19.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.64 |
| | 8000 Hz | 77.90 | 0.00 | | 66.57 | 70.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.88 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 71.55 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.42 |
| | 125 Hz | 110.70 | 0.00 | | 71.55 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.72 |
| | 250 Hz | 108.00 | 0.00 | | 71.55 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.34 |
| | 500 Hz | 104.50 | 0.00 | | 71.55 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.90 |
| | 1000 Hz | 100.10 | 0.00 | | 71.55 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.66 |
| | 2000 Hz | 94.80 | 0.00 | | 71.55 | 10.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.96 |
| | 4000 Hz | 87.90 | 0.00 | | 71.55 | 34.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.55 |
| | 8000 Hz | 79.90 | 0.00 | | 71.55 | 124.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.14 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 73.90 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.23 |
| | 125 Hz | 110.90 | 0.00 | | 73.90 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.42 |
| | 250 Hz | 108.10 | 0.00 | | 73.90 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.74 |
| | 500 Hz | 104.40 | 0.00 | | 73.90 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.80 |
| | 1000 Hz | 100.10 | 0.00 | | 73.90 | 5.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.09 |
| | 2000 Hz | 94.80 | 0.00 | | 73.90 | 13.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.39 |
| | 4000 Hz | 88.00 | 0.00 | | 73.90 | 45.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -28.70 |
| | 8000 Hz | 80.00 | 0.00 | | 73.90 | 163.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -154.23 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.11 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.79 |
| | 125 Hz | 110.70 | 0.00 | | 75.11 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.93 |
| | 250 Hz | 108.00 | 0.00 | | 75.11 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.21 |
| | 500 Hz | 104.50 | 0.00 | | 75.11 | 3.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.29 |
| | 1000 Hz | 100.10 | 0.00 | | 75.11 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.11 |
| | 2000 Hz | 94.80 | 0.00 | | 75.11 | 15.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.17 |
| | 4000 Hz | 87.90 | 0.00 | | 75.11 | 52.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.85 |
| | 8000 Hz | 79.90 | 0.00 | | 75.11 | 187.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -179.94 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 76.01 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.07 |
| | 125 Hz | 110.90 | 0.00 | | 76.01 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.15 |
| | 250 Hz | 108.10 | 0.00 | | 76.01 | 1.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.23 |
| | 500 Hz | 104.40 | 0.00 | | 76.01 | 3.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.95 |
| | 1000 Hz | 100.10 | 0.00 | | 76.01 | 6.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.57 |
| | 2000 Hz | 94.80 | 0.00 | | 76.01 | 17.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.57 |
| | 4000 Hz | 88.00 | 0.00 | | 76.01 | 58.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.40 |
| | 8000 Hz | 80.00 | 0.00 | | 76.01 | 208.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -201.26 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 77.91 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.92 |
| | 125 Hz | 110.70 | 0.00 | | 77.91 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.88 |
| | 250 Hz | 108.00 | 0.00 | | 77.91 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.78 |
| | 500 Hz | 104.50 | 0.00 | | 77.91 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.32 |
| | 1000 Hz | 100.10 | 0.00 | | 77.91 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.08 |
| | 2000 Hz | 94.80 | 0.00 | | 77.91 | 21.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.53 |
| | 4000 Hz | 87.90 | 0.00 | | 77.91 | 72.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.65 |
| | 8000 Hz | 79.90 | 0.00 | | 77.91 | 259.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -254.07 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------------|--|-----|---------|------------|------|-----|------------|-------|------|---------------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | | IPKT: y /m | | | IPKT: z /m | | | Lr(IP) /dB(A) | | |
| IPkt025 | IP W | 381033.30 | | | 5776656.18 | | | 68.434 | | | 42.53 | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 85.79 | 10.56 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.10 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 71.60 | 2.06 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.73 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 78.12 | 4.37 | 4.61 | 0.00 | 0.00 | 0.16 | 0.00 | | 10.75 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 75.06 | 3.07 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.81 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 82.39 | 0.45 | -3.00 | 0.00 | 0.00 | 4.61 | 0.00 | | 19.75 |
| | 125 Hz | 102.50 | 0.00 | | 82.39 | 1.53 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 17.15 |
| | 250 Hz | 99.20 | 0.00 | | 82.39 | 3.87 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | | 11.86 |
| | 500 Hz | 96.00 | 0.00 | | 82.39 | 7.16 | -3.00 | 0.00 | 0.00 | 3.24 | 0.00 | | 6.22 |
| | 1000 Hz | 92.30 | 0.00 | | 82.39 | 13.58 | -3.00 | 0.00 | 0.00 | 0.85 | 0.00 | | -1.52 |
| | 2000 Hz | 89.10 | 0.00 | | 82.39 | 35.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.17 |
| | 4000 Hz | 85.30 | 0.00 | | 82.39 | 121.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.75 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAi119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 82.70 | 0.47 | -3.00 | 0.00 | 0.00 | 4.32 | 0.00 | | 22.71 |
| | 125 Hz | 105.50 | 0.00 | | 82.70 | 1.58 | -3.00 | 0.00 | 0.00 | 3.82 | 0.00 | | 20.40 |
| | 250 Hz | 102.20 | 0.00 | | 82.70 | 4.01 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | | 15.88 |
| | 500 Hz | 99.00 | 0.00 | | 82.70 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.89 |
| | 1000 Hz | 95.30 | 0.00 | | 82.70 | 14.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.53 |
| | 2000 Hz | 92.10 | 0.00 | | 82.70 | 37.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.78 |
| | 4000 Hz | 88.30 | 0.00 | | 82.70 | 126.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.47 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAi120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.14 | 0.15 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | | 34.62 |
| | 63 Hz | 116.40 | 0.00 | | 84.14 | 0.55 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 30.51 |
| | 125 Hz | 110.70 | 0.00 | | 84.14 | 1.87 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 24.13 |
| | 250 Hz | 104.40 | 0.00 | | 84.14 | 4.74 | -3.00 | 0.00 | 0.00 | 1.89 | 0.00 | | 16.64 |
| | 500 Hz | 101.20 | 0.00 | | 84.14 | 8.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.31 |
| | 1000 Hz | 99.40 | 0.00 | | 84.14 | 16.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.66 |
| | 2000 Hz | 93.80 | 0.00 | | 84.14 | 43.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.20 |
| | 4000 Hz | 86.70 | 0.00 | | 84.14 | 148.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -143.19 |
| | 8000 Hz | 78.40 | 0.00 | | 84.14 | 530.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -533.28 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAi121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 78.39 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.93 |
| | 63 Hz | 116.40 | 0.00 | | 78.39 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.72 |
| | 125 Hz | 110.70 | 0.00 | | 78.39 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.35 |
| | 250 Hz | 104.40 | 0.00 | | 78.39 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.57 |
| | 500 Hz | 101.20 | 0.00 | | 78.39 | 4.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.29 |
| | 1000 Hz | 99.40 | 0.00 | | 78.39 | 8.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.44 |
| | 2000 Hz | 93.80 | 0.00 | | 78.39 | 22.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.23 |
| | 4000 Hz | 86.70 | 0.00 | | 78.39 | 76.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.45 |
| | 8000 Hz | 78.40 | 0.00 | | 78.39 | 273.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -270.76 |

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| WEAi122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.28 | 0.13 | -3.00 | 0.00 | 0.00 | 3.74 | 0.00 | | 36.25 |
| | 63 Hz | 116.40 | 0.00 | | 83.28 | 0.50 | -3.00 | 0.00 | 0.00 | 2.39 | 0.00 | | 33.24 |
| | 125 Hz | 110.70 | 0.00 | | 83.28 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.73 |
| | 250 Hz | 104.40 | 0.00 | | 83.28 | 4.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.83 |
| | 500 Hz | 101.20 | 0.00 | | 83.28 | 7.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.00 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 99.40 | 0.00 | | 83.28 | 15.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.09 |
| | 2000 Hz | 93.80 | 0.00 | | 83.28 | 39.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.21 |
| | 4000 Hz | 86.70 | 0.00 | | 83.28 | 134.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.30 |
| | 8000 Hz | 78.40 | 0.00 | | 83.28 | 480.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -482.39 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.85 | 0.14 | -3.00 | 0.00 | 0.00 | 4.49 | 0.00 | | 34.93 |
| | 63 Hz | 116.40 | 0.00 | | 83.85 | 0.53 | -3.00 | 0.00 | 0.00 | 4.18 | 0.00 | | 30.84 |
| | 125 Hz | 110.70 | 0.00 | | 83.85 | 1.80 | -3.00 | 0.00 | 0.00 | 3.51 | 0.00 | | 24.54 |
| | 250 Hz | 104.40 | 0.00 | | 83.85 | 4.58 | -3.00 | 0.00 | 0.00 | 1.72 | 0.00 | | 17.25 |
| | 500 Hz | 101.20 | 0.00 | | 83.85 | 8.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.89 |
| | 1000 Hz | 99.40 | 0.00 | | 83.85 | 16.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.50 |
| | 2000 Hz | 93.80 | 0.00 | | 83.85 | 42.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.46 |
| | 4000 Hz | 86.70 | 0.00 | | 83.85 | 143.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -137.99 |
| | 8000 Hz | 78.40 | 0.00 | | 83.85 | 513.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -515.47 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.81 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.48 |
| | 63 Hz | 116.40 | 0.00 | | 81.81 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.17 |
| | 125 Hz | 110.70 | 0.00 | | 81.81 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.46 |
| | 250 Hz | 104.40 | 0.00 | | 81.81 | 3.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.97 |
| | 500 Hz | 101.20 | 0.00 | | 81.81 | 6.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.70 |
| | 1000 Hz | 99.40 | 0.00 | | 81.81 | 12.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.89 |
| | 2000 Hz | 93.80 | 0.00 | | 81.81 | 33.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.56 |
| | 4000 Hz | 86.70 | 0.00 | | 81.81 | 113.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.89 |
| | 8000 Hz | 78.40 | 0.00 | | 81.81 | 405.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -406.22 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.26 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.03 |
| | 63 Hz | 116.40 | 0.00 | | 82.26 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.70 |
| | 125 Hz | 110.70 | 0.00 | | 82.26 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.94 |
| | 250 Hz | 104.40 | 0.00 | | 82.26 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.33 |
| | 500 Hz | 101.20 | 0.00 | | 82.26 | 7.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.90 |
| | 1000 Hz | 99.40 | 0.00 | | 82.26 | 13.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.78 |
| | 2000 Hz | 93.80 | 0.00 | | 82.26 | 35.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.78 |
| | 4000 Hz | 86.70 | 0.00 | | 82.26 | 119.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.34 |
| | 8000 Hz | 78.40 | 0.00 | | 82.26 | 427.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -428.09 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.47 | 0.13 | -3.00 | 0.00 | 0.00 | 3.99 | 0.00 | | 35.80 |
| | 63 Hz | 116.40 | 0.00 | | 83.47 | 0.51 | -3.00 | 0.00 | 0.00 | 3.04 | 0.00 | | 32.37 |
| | 125 Hz | 110.70 | 0.00 | | 83.47 | 1.73 | -3.00 | 0.00 | 0.00 | 0.20 | 0.00 | | 28.30 |
| | 250 Hz | 104.40 | 0.00 | | 83.47 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.54 |
| | 500 Hz | 101.20 | 0.00 | | 83.47 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.62 |
| | 1000 Hz | 99.40 | 0.00 | | 83.47 | 15.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.55 |
| | 2000 Hz | 93.80 | 0.00 | | 83.47 | 40.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.31 |
| | 4000 Hz | 86.70 | 0.00 | | 83.47 | 137.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.59 |
| | 8000 Hz | 78.40 | 0.00 | | 83.47 | 491.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -493.60 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.60 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.68 |
| | 63 Hz | 116.40 | 0.00 | | 82.60 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.33 |
| | 125 Hz | 110.70 | 0.00 | | 82.60 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.53 |
| | 250 Hz | 104.40 | 0.00 | | 82.60 | 3.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.83 |
| | 500 Hz | 101.20 | 0.00 | | 82.60 | 7.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.27 |
| | 1000 Hz | 99.40 | 0.00 | | 82.60 | 13.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.89 |
| | 2000 Hz | 93.80 | 0.00 | | 82.60 | 36.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.56 |
| | 4000 Hz | 86.70 | 0.00 | | 82.60 | 124.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.56 |
| | 8000 Hz | 78.40 | 0.00 | | 82.60 | 444.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -445.80 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 82.07 | 0.11 | -3.00 | 0.00 | 0.00 | 2.15 | 0.00 | | 35.77 |
| | 63 Hz | 113.10 | 0.00 | | 82.07 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.60 |
| | 125 Hz | 107.40 | 0.00 | | 82.07 | 1.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.86 |
| | 250 Hz | 101.10 | 0.00 | | 82.07 | 3.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.30 |
| | 500 Hz | 97.90 | 0.00 | | 82.07 | 6.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.94 |
| | 1000 Hz | 96.10 | 0.00 | | 82.07 | 13.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.95 |
| | 2000 Hz | 90.50 | 0.00 | | 82.07 | 34.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.13 |
| | 4000 Hz | 83.40 | 0.00 | | 82.07 | 117.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.88 |
| | 8000 Hz | 75.10 | 0.00 | | 82.07 | 418.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -422.01 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.14 | 0.13 | -3.00 | 0.00 | 0.00 | 2.21 | 0.00 | | 37.92 |
| | 63 Hz | 116.40 | 0.00 | | 83.14 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.77 |
| | 125 Hz | 110.70 | 0.00 | | 83.14 | 1.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.90 |
| | 250 Hz | 104.40 | 0.00 | | 83.14 | 4.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.04 |
| | 500 Hz | 101.20 | 0.00 | | 83.14 | 7.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.26 |
| | 1000 Hz | 99.40 | 0.00 | | 83.14 | 14.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.46 |
| | 2000 Hz | 93.80 | 0.00 | | 83.14 | 39.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.44 |
| | 4000 Hz | 86.70 | 0.00 | | 83.14 | 132.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -126.03 |
| | 8000 Hz | 78.40 | 0.00 | | 83.14 | 472.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -474.65 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.02 | 0.14 | -3.00 | 0.00 | 0.00 | 3.71 | 0.00 | | 35.53 |
| | 63 Hz | 116.40 | 0.00 | | 84.02 | 0.54 | -3.00 | 0.00 | 0.00 | 2.31 | 0.00 | | 32.53 |
| | 125 Hz | 110.70 | 0.00 | | 84.02 | 1.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.85 |
| | 250 Hz | 104.40 | 0.00 | | 84.02 | 4.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.72 |
| | 500 Hz | 101.20 | 0.00 | | 84.02 | 8.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.56 |
| | 1000 Hz | 99.40 | 0.00 | | 84.02 | 16.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.02 |
| | 2000 Hz | 93.80 | 0.00 | | 84.02 | 43.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.47 |
| | 4000 Hz | 86.70 | 0.00 | | 84.02 | 146.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -140.99 |
| | 8000 Hz | 78.40 | 0.00 | | 84.02 | 523.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -525.74 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.41 | 0.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.57 |
| | 125 Hz | 104.80 | 0.00 | | 86.41 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.97 |
| | 250 Hz | 101.50 | 0.00 | | 86.41 | 6.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.94 |
| | 500 Hz | 97.10 | 0.00 | | 86.41 | 11.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.33 |
| | 1000 Hz | 91.00 | 0.00 | | 86.41 | 21.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.97 |
| | 2000 Hz | 86.30 | 0.00 | | 86.41 | 56.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.08 |
| | 4000 Hz | 80.30 | 0.00 | | 86.41 | 193.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -196.31 |
| | 8000 Hz | 74.00 | 0.00 | | 86.41 | 689.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -698.49 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.84 | 0.20 | -3.00 | 0.00 | 0.00 | 1.71 | 0.00 | | 29.25 |
| | 63 Hz | 113.00 | 0.00 | | 86.84 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.41 |
| | 125 Hz | 108.60 | 0.00 | | 86.84 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.21 |
| | 250 Hz | 105.70 | 0.00 | | 86.84 | 6.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.40 |
| | 500 Hz | 101.70 | 0.00 | | 86.84 | 11.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.92 |
| | 1000 Hz | 95.50 | 0.00 | | 86.84 | 22.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.00 |
| | 2000 Hz | 89.70 | 0.00 | | 86.84 | 59.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.01 |
| | 4000 Hz | 82.20 | 0.00 | | 86.84 | 203.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.66 |
| | 8000 Hz | 74.00 | 0.00 | | 86.84 | 724.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -733.96 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 86.84 | 0.20 | -3.00 | 0.00 | 0.00 | 1.72 | 0.00 | | 29.24 |
| | 63 Hz | 113.00 | 0.00 | | 86.84 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.41 |
| | 125 Hz | 108.60 | 0.00 | | 86.84 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.21 |
| | 250 Hz | 105.70 | 0.00 | | 86.84 | 6.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.40 |
| | 500 Hz | 101.70 | 0.00 | | 86.84 | 11.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.92 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 95.50 | 0.00 | | 86.84 | 22.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.00 |
| | 2000 Hz | 89.70 | 0.00 | | 86.84 | 59.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.01 |
| | 4000 Hz | 82.20 | 0.00 | | 86.84 | 203.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.67 |
| | 8000 Hz | 74.00 | 0.00 | | 86.84 | 724.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -733.97 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 85.24 | 0.16 | -3.00 | 0.00 | 0.00 | 1.80 | 0.00 | | 30.69 |
| | 63 Hz | 111.30 | 0.00 | | 85.24 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.44 |
| | 125 Hz | 107.40 | 0.00 | | 85.24 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.05 |
| | 250 Hz | 102.80 | 0.00 | | 85.24 | 5.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.19 |
| | 500 Hz | 99.70 | 0.00 | | 85.24 | 9.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.54 |
| | 1000 Hz | 96.60 | 0.00 | | 85.24 | 18.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.47 |
| | 2000 Hz | 91.70 | 0.00 | | 85.24 | 49.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.31 |
| | 4000 Hz | 85.00 | 0.00 | | 85.24 | 168.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -166.03 |
| | 8000 Hz | 87.30 | 0.00 | | 85.24 | 602.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -596.97 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 86.85 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.30 |
| | 125 Hz | 108.60 | 0.00 | | 86.85 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.20 |
| | 250 Hz | 103.40 | 0.00 | | 86.85 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.08 |
| | 500 Hz | 99.10 | 0.00 | | 86.85 | 11.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.30 |
| | 1000 Hz | 98.00 | 0.00 | | 86.85 | 22.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.52 |
| | 2000 Hz | 89.80 | 0.00 | | 86.85 | 59.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.97 |
| | 4000 Hz | 85.30 | 0.00 | | 86.85 | 203.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -201.75 |
| | 8000 Hz | 80.10 | 0.00 | | 86.85 | 724.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -728.50 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 86.65 | 0.19 | -3.00 | 0.00 | 0.00 | 1.82 | 0.00 | | 32.93 |
| | 63 Hz | 112.30 | 0.00 | | 86.65 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.91 |
| | 125 Hz | 108.10 | 0.00 | | 86.65 | 2.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.96 |
| | 250 Hz | 103.50 | 0.00 | | 86.65 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.52 |
| | 500 Hz | 100.70 | 0.00 | | 86.65 | 11.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.36 |
| | 1000 Hz | 98.30 | 0.00 | | 86.65 | 22.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.52 |
| | 2000 Hz | 93.80 | 0.00 | | 86.65 | 58.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.44 |
| | 4000 Hz | 86.20 | 0.00 | | 86.65 | 198.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -196.14 |
| | 8000 Hz | 78.20 | 0.00 | | 86.65 | 708.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -714.10 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.37 | 0.19 | -3.00 | 0.00 | 0.00 | 1.68 | 0.00 | | 31.36 |
| | 63 Hz | 111.70 | 0.00 | | 86.37 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.62 |
| | 125 Hz | 106.40 | 0.00 | | 86.37 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.62 |
| | 250 Hz | 102.10 | 0.00 | | 86.37 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.61 |
| | 500 Hz | 99.10 | 0.00 | | 86.37 | 11.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.43 |
| | 1000 Hz | 96.90 | 0.00 | | 86.37 | 21.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.92 |
| | 2000 Hz | 90.50 | 0.00 | | 86.37 | 56.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -49.56 |
| | 4000 Hz | 81.00 | 0.00 | | 86.37 | 192.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.63 |
| | 8000 Hz | 76.50 | 0.00 | | 86.37 | 685.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -692.60 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.18 | 0.21 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | | 32.25 |
| | 63 Hz | 110.40 | 0.00 | | 87.18 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.43 |
| | 125 Hz | 107.20 | 0.00 | | 87.18 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.37 |
| | 250 Hz | 101.70 | 0.00 | | 87.18 | 6.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.80 |
| | 500 Hz | 98.20 | 0.00 | | 87.18 | 12.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.60 |
| | 1000 Hz | 95.60 | 0.00 | | 87.18 | 23.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.15 |
| | 2000 Hz | 93.70 | 0.00 | | 87.18 | 62.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.76 |
| | 4000 Hz | 90.70 | 0.00 | | 87.18 | 211.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.66 |
| | 8000 Hz | 79.50 | 0.00 | | 87.18 | 753.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -757.90 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 31.5 Hz | 113.80 | 0.00 | | 82.15 | 0.12 | -3.00 | 0.00 | 0.00 | 1.34 | 0.00 | | 33.20 |
| | 63 Hz | 111.60 | 0.00 | | 82.15 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.01 |
| | 125 Hz | 108.60 | 0.00 | | 82.15 | 1.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.97 |
| | 250 Hz | 106.50 | 0.00 | | 82.15 | 3.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.58 |
| | 500 Hz | 102.90 | 0.00 | | 82.15 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.79 |
| | 1000 Hz | 99.60 | 0.00 | | 82.15 | 13.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.25 |
| | 2000 Hz | 95.90 | 0.00 | | 82.15 | 34.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.14 |
| | 4000 Hz | 90.10 | 0.00 | | 82.15 | 118.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -107.37 |
| | 8000 Hz | 76.30 | 0.00 | | 82.15 | 422.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -424.87 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.22 | 0.12 | -3.00 | 0.00 | 0.00 | 1.33 | 0.00 | | 33.13 |
| | 63 Hz | 111.60 | 0.00 | | 82.22 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.94 |
| | 125 Hz | 108.60 | 0.00 | | 82.22 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.89 |
| | 250 Hz | 106.50 | 0.00 | | 82.22 | 3.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.48 |
| | 500 Hz | 102.90 | 0.00 | | 82.22 | 7.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.67 |
| | 1000 Hz | 99.60 | 0.00 | | 82.22 | 13.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.07 |
| | 2000 Hz | 95.90 | 0.00 | | 82.22 | 35.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.49 |
| | 4000 Hz | 90.10 | 0.00 | | 82.22 | 119.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.39 |
| | 8000 Hz | 76.30 | 0.00 | | 82.22 | 425.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -428.30 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.70 | 0.10 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 34.70 |
| | 63 Hz | 111.60 | 0.00 | | 80.70 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.52 |
| | 125 Hz | 108.60 | 0.00 | | 80.70 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.64 |
| | 250 Hz | 106.50 | 0.00 | | 80.70 | 3.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.61 |
| | 500 Hz | 102.90 | 0.00 | | 80.70 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.30 |
| | 1000 Hz | 99.60 | 0.00 | | 80.70 | 11.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.72 |
| | 2000 Hz | 95.90 | 0.00 | | 80.70 | 29.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.34 |
| | 4000 Hz | 90.10 | 0.00 | | 80.70 | 100.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.78 |
| | 8000 Hz | 76.30 | 0.00 | | 80.70 | 357.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -358.70 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.19 | 0.09 | -3.00 | 0.00 | 0.00 | 1.22 | 0.00 | | 35.30 |
| | 63 Hz | 111.60 | 0.00 | | 80.19 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.06 |
| | 125 Hz | 108.60 | 0.00 | | 80.19 | 1.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.23 |
| | 250 Hz | 106.50 | 0.00 | | 80.19 | 3.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.31 |
| | 500 Hz | 102.90 | 0.00 | | 80.19 | 5.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.16 |
| | 1000 Hz | 99.60 | 0.00 | | 80.19 | 10.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.88 |
| | 2000 Hz | 95.90 | 0.00 | | 80.19 | 27.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.11 |
| | 4000 Hz | 90.10 | 0.00 | | 80.19 | 94.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.45 |
| | 8000 Hz | 76.30 | 0.00 | | 80.19 | 336.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -337.47 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.31 | 0.09 | -3.00 | 0.00 | 0.00 | 1.19 | 0.00 | | 35.21 |
| | 63 Hz | 111.60 | 0.00 | | 80.31 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.93 |
| | 125 Hz | 108.60 | 0.00 | | 80.31 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.09 |
| | 250 Hz | 106.50 | 0.00 | | 80.31 | 3.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.14 |
| | 500 Hz | 102.90 | 0.00 | | 80.31 | 5.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.96 |
| | 1000 Hz | 99.60 | 0.00 | | 80.31 | 10.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.60 |
| | 2000 Hz | 95.90 | 0.00 | | 80.31 | 28.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.65 |
| | 4000 Hz | 90.10 | 0.00 | | 80.31 | 95.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.97 |
| | 8000 Hz | 76.30 | 0.00 | | 80.31 | 341.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -342.55 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.64 | 0.08 | -3.00 | 0.00 | 0.00 | 1.06 | 0.00 | | 37.03 |
| | 63 Hz | 111.60 | 0.00 | | 78.64 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.67 |
| | 125 Hz | 108.60 | 0.00 | | 78.64 | 0.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.97 |
| | 250 Hz | 106.50 | 0.00 | | 78.64 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.35 |
| | 500 Hz | 102.90 | 0.00 | | 78.64 | 4.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.62 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.60 | 0.00 | | 78.64 | 8.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.15 |
| | 2000 Hz | 95.90 | 0.00 | | 78.64 | 23.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.02 |
| | 4000 Hz | 90.10 | 0.00 | | 78.64 | 78.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.48 |
| | 8000 Hz | 76.30 | 0.00 | | 78.64 | 281.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -280.92 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 77.93 | 0.07 | -3.00 | 0.00 | 0.00 | 0.91 | 0.00 | 37.89 |
| | 63 Hz | 111.60 | 0.00 | | 77.93 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.40 |
| | 125 Hz | 108.60 | 0.00 | | 77.93 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.76 |
| | 250 Hz | 106.50 | 0.00 | | 77.93 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.25 |
| | 500 Hz | 102.90 | 0.00 | | 77.93 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.69 |
| | 1000 Hz | 99.60 | 0.00 | | 77.93 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.55 |
| | 2000 Hz | 95.90 | 0.00 | | 77.93 | 21.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.49 |
| | 4000 Hz | 90.10 | 0.00 | | 77.93 | 72.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.61 |
| | 8000 Hz | 76.30 | 0.00 | | 77.93 | 259.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -258.22 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.77 | 0.08 | -3.00 | 0.00 | 0.00 | 0.99 | 0.00 | 36.97 |
| | 63 Hz | 111.60 | 0.00 | | 78.77 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.54 |
| | 125 Hz | 108.60 | 0.00 | | 78.77 | 1.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.83 |
| | 250 Hz | 106.50 | 0.00 | | 78.77 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.18 |
| | 500 Hz | 102.90 | 0.00 | | 78.77 | 4.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.42 |
| | 1000 Hz | 99.60 | 0.00 | | 78.77 | 8.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.89 |
| | 2000 Hz | 95.90 | 0.00 | | 78.77 | 23.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.50 |
| | 4000 Hz | 90.10 | 0.00 | | 78.77 | 80.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -65.82 |
| | 8000 Hz | 76.30 | 0.00 | | 78.77 | 285.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -285.33 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 83.13 | 0.49 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | -78.14 |
| | 125 Hz | 5.20 | 0.00 | | 83.13 | 1.66 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | -80.62 |
| | 250 Hz | 1.90 | 0.00 | | 83.13 | 4.22 | -3.00 | 0.00 | 0.00 | 3.14 | 0.00 | -85.59 |
| | 500 Hz | -1.30 | 0.00 | | 83.13 | 7.79 | -3.00 | 0.00 | 0.00 | 0.50 | 0.00 | -89.72 |
| | 1000 Hz | -5.00 | 0.00 | | 83.13 | 14.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -99.91 |
| | 2000 Hz | -8.20 | 0.00 | | 83.13 | 39.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -127.39 |
| | 4000 Hz | -12.00 | 0.00 | | 83.13 | 132.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -224.59 |

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|---------|--------------------|--------|------|--|-------|-------|-------|------|------|------|------|--------|
| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 78.06 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.87 |
| | 125 Hz | 106.50 | 0.00 | | 78.06 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.52 |
| | 250 Hz | 103.20 | 0.00 | | 78.06 | 2.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.79 |
| | 500 Hz | 100.00 | 0.00 | | 78.06 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.60 |
| | 1000 Hz | 96.30 | 0.00 | | 78.06 | 8.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 |
| | 2000 Hz | 93.10 | 0.00 | | 78.06 | 21.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.74 |
| | 4000 Hz | 89.30 | 0.00 | | 78.06 | 73.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -59.63 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.50 | 0.14 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | 29.61 |
| | 63 Hz | 110.90 | 0.00 | | 83.50 | 0.51 | -3.00 | 0.00 | 0.00 | 4.34 | 0.00 | 25.56 |
| | 125 Hz | 108.00 | 0.00 | | 83.50 | 1.73 | -3.00 | 0.00 | 0.00 | 3.86 | 0.00 | 21.91 |
| | 250 Hz | 103.80 | 0.00 | | 83.50 | 4.40 | -3.00 | 0.00 | 0.00 | 2.71 | 0.00 | 16.20 |
| | 500 Hz | 101.90 | 0.00 | | 83.50 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.28 |
| | 1000 Hz | 98.90 | 0.00 | | 83.50 | 15.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.99 |
| | 2000 Hz | 94.60 | 0.00 | | 83.50 | 40.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.63 |
| | 4000 Hz | 88.20 | 0.00 | | 83.50 | 138.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -130.44 |
| | 8000 Hz | 78.80 | 0.00 | | 83.50 | 492.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -494.40 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.43 | 0.12 | -3.00 | 0.00 | 0.00 | 3.20 | 0.00 | 32.05 |
| | 63 Hz | 110.90 | 0.00 | | 82.43 | 0.45 | -3.00 | 0.00 | 0.00 | 0.72 | 0.00 | 30.30 |
| | 125 Hz | 108.00 | 0.00 | | 82.43 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.04 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 103.80 | 0.00 | | 82.43 | 3.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.48 |
| | 500 Hz | 101.90 | 0.00 | | 82.43 | 7.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.29 |
| | 1000 Hz | 98.90 | 0.00 | | 82.43 | 13.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.84 |
| | 2000 Hz | 94.60 | 0.00 | | 82.43 | 36.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.85 |
| | 4000 Hz | 88.20 | 0.00 | | 82.43 | 122.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.40 |
| | 8000 Hz | 78.80 | 0.00 | | 82.43 | 435.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.36 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.92 | 0.13 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 31.42 |
| | 63 Hz | 110.90 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 1.20 | 0.00 | | 29.31 |
| | 125 Hz | 108.00 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.46 |
| | 250 Hz | 103.80 | 0.00 | | 82.92 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.77 |
| | 500 Hz | 101.90 | 0.00 | | 82.92 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.38 |
| | 1000 Hz | 98.90 | 0.00 | | 82.92 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.56 |
| | 2000 Hz | 94.60 | 0.00 | | 82.92 | 38.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.42 |
| | 4000 Hz | 88.20 | 0.00 | | 82.92 | 129.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.95 |
| | 8000 Hz | 78.80 | 0.00 | | 82.92 | 460.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -462.03 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.55 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.14 |
| | 63 Hz | 110.90 | 0.00 | | 81.55 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.94 |
| | 125 Hz | 108.00 | 0.00 | | 81.55 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.07 |
| | 250 Hz | 103.80 | 0.00 | | 81.55 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.74 |
| | 500 Hz | 101.90 | 0.00 | | 81.55 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.86 |
| | 1000 Hz | 98.90 | 0.00 | | 81.55 | 12.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.03 |
| | 2000 Hz | 94.60 | 0.00 | | 81.55 | 32.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.50 |
| | 4000 Hz | 88.20 | 0.00 | | 81.55 | 110.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.75 |
| | 8000 Hz | 78.80 | 0.00 | | 81.55 | 393.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -393.50 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 77.64 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.49 |
| | 63 Hz | 122.10 | 0.00 | | 77.64 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.20 |
| | 125 Hz | 115.00 | 0.00 | | 77.64 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.47 |
| | 250 Hz | 108.00 | 0.00 | | 77.64 | 2.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.12 |
| | 500 Hz | 103.90 | 0.00 | | 77.64 | 4.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.12 |
| | 1000 Hz | 101.60 | 0.00 | | 77.64 | 7.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.10 |
| | 2000 Hz | 96.70 | 0.00 | | 77.64 | 20.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.29 |
| | 4000 Hz | 88.60 | 0.00 | | 77.64 | 70.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.46 |
| | 8000 Hz | 80.90 | 0.00 | | 77.64 | 251.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -244.90 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 78.81 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.39 |
| | 125 Hz | 109.80 | 0.00 | | 78.81 | 1.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.98 |
| | 250 Hz | 107.40 | 0.00 | | 78.81 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.03 |
| | 500 Hz | 101.60 | 0.00 | | 78.81 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.06 |
| | 1000 Hz | 94.50 | 0.00 | | 78.81 | 8.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.71 |
| | 2000 Hz | 88.00 | 0.00 | | 78.81 | 23.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.55 |
| | 4000 Hz | 85.30 | 0.00 | | 78.81 | 80.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.03 |
| | 8000 Hz | 79.90 | 0.00 | | 78.81 | 287.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -283.09 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.11 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.18 |
| | 125 Hz | 110.80 | 0.00 | | 79.11 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.64 |
| | 250 Hz | 105.10 | 0.00 | | 79.11 | 2.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.33 |
| | 500 Hz | 102.60 | 0.00 | | 79.11 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.58 |
| | 1000 Hz | 99.60 | 0.00 | | 79.11 | 9.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.18 |
| | 2000 Hz | 93.10 | 0.00 | | 79.11 | 24.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.61 |
| | 4000 Hz | 80.70 | 0.00 | | 79.11 | 83.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.83 |
| | 8000 Hz | 77.00 | 0.00 | | 79.11 | 297.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -296.63 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.49 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.78 |
| | 125 Hz | 110.80 | 0.00 | | 79.49 | 1.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.21 |
| | 250 Hz | 105.10 | 0.00 | | 79.49 | 2.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.83 |
| | 500 Hz | 102.60 | 0.00 | | 79.49 | 5.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.98 |
| | 1000 Hz | 99.60 | 0.00 | | 79.49 | 9.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.38 |
| | 2000 Hz | 93.10 | 0.00 | | 79.49 | 25.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.09 |
| | 4000 Hz | 80.70 | 0.00 | | 79.49 | 87.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.93 |
| | 8000 Hz | 77.00 | 0.00 | | 79.49 | 310.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -310.28 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.80 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.46 |
| | 125 Hz | 110.80 | 0.00 | | 79.80 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.86 |
| | 250 Hz | 105.10 | 0.00 | | 79.80 | 2.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.42 |
| | 500 Hz | 102.60 | 0.00 | | 79.80 | 5.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.49 |
| | 1000 Hz | 99.60 | 0.00 | | 79.80 | 10.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.72 |
| | 2000 Hz | 93.10 | 0.00 | | 79.80 | 26.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.33 |
| | 4000 Hz | 80.70 | 0.00 | | 79.80 | 90.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.41 |
| | 8000 Hz | 77.00 | 0.00 | | 79.80 | 322.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -321.90 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 78.26 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.86 |
| | 125 Hz | 104.80 | 0.00 | | 78.26 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.60 |
| | 250 Hz | 99.40 | 0.00 | | 78.26 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.74 |
| | 500 Hz | 95.00 | 0.00 | | 78.26 | 4.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.30 |
| | 1000 Hz | 93.20 | 0.00 | | 78.26 | 8.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.51 |
| | 2000 Hz | 89.10 | 0.00 | | 78.26 | 22.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.44 |
| | 4000 Hz | 83.90 | 0.00 | | 78.26 | 75.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.94 |
| | 8000 Hz | 82.20 | 0.00 | | 78.26 | 269.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -262.62 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.20 | 0.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.11 |
| | 125 Hz | 111.00 | 0.00 | | 89.20 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.45 |
| | 250 Hz | 106.60 | 0.00 | | 89.20 | 8.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.91 |
| | 500 Hz | 103.70 | 0.00 | | 89.20 | 15.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.82 |
| | 1000 Hz | 99.80 | 0.00 | | 89.20 | 29.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.15 |
| | 2000 Hz | 95.60 | 0.00 | | 89.20 | 78.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.20 |
| | 4000 Hz | 86.90 | 0.00 | | 89.20 | 266.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -265.83 |
| | 8000 Hz | 65.40 | 0.00 | | 89.20 | 950.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -971.41 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.63 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.74 |
| | 125 Hz | 111.00 | 0.00 | | 88.63 | 3.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.24 |
| | 250 Hz | 106.60 | 0.00 | | 88.63 | 7.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.02 |
| | 500 Hz | 103.70 | 0.00 | | 88.63 | 14.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.38 |
| | 1000 Hz | 99.80 | 0.00 | | 88.63 | 27.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.69 |
| | 2000 Hz | 95.60 | 0.00 | | 88.63 | 73.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.64 |
| | 4000 Hz | 86.90 | 0.00 | | 88.63 | 249.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -248.36 |
| | 8000 Hz | 65.40 | 0.00 | | 88.63 | 890.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -910.55 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.56 | 0.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.92 |
| | 125 Hz | 111.00 | 0.00 | | 87.56 | 2.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.68 |
| | 250 Hz | 106.60 | 0.00 | | 87.56 | 7.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.02 |
| | 500 Hz | 103.70 | 0.00 | | 87.56 | 12.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.17 |
| | 1000 Hz | 99.80 | 0.00 | | 87.56 | 24.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.37 |
| | 2000 Hz | 95.60 | 0.00 | | 87.56 | 65.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.99 |
| | 4000 Hz | 86.90 | 0.00 | | 87.56 | 220.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -218.18 |
| | 8000 Hz | 65.40 | 0.00 | | 87.56 | 786.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -805.68 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.49 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.60 |
| | 125 Hz | 110.20 | 0.00 | | 87.49 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.97 |
| | 250 Hz | 105.30 | 0.00 | | 87.49 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.85 |
| | 500 Hz | 102.70 | 0.00 | | 87.49 | 12.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.34 |
| | 1000 Hz | 99.80 | 0.00 | | 87.49 | 24.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.10 |
| | 2000 Hz | 95.50 | 0.00 | | 87.49 | 64.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.51 |
| | 4000 Hz | 84.90 | 0.00 | | 87.49 | 218.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -218.37 |
| | 8000 Hz | 61.80 | 0.00 | | 87.49 | 780.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -803.02 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.53 | 0.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.55 |
| | 125 Hz | 110.20 | 0.00 | | 87.53 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.91 |
| | 250 Hz | 105.30 | 0.00 | | 87.53 | 7.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.77 |
| | 500 Hz | 102.70 | 0.00 | | 87.53 | 12.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.23 |
| | 1000 Hz | 99.80 | 0.00 | | 87.53 | 24.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.28 |
| | 2000 Hz | 95.50 | 0.00 | | 87.53 | 64.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.88 |
| | 4000 Hz | 84.90 | 0.00 | | 87.53 | 219.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -219.55 |
| | 8000 Hz | 61.80 | 0.00 | | 87.53 | 784.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -807.11 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.72 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.83 |
| | 125 Hz | 111.00 | 0.00 | | 86.72 | 2.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.76 |
| | 250 Hz | 106.60 | 0.00 | | 86.72 | 6.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.50 |
| | 500 Hz | 103.70 | 0.00 | | 86.72 | 11.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.19 |
| | 1000 Hz | 99.80 | 0.00 | | 86.72 | 22.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.28 |
| | 2000 Hz | 95.60 | 0.00 | | 86.72 | 59.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.20 |
| | 4000 Hz | 86.90 | 0.00 | | 86.72 | 200.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.17 |
| | 8000 Hz | 65.40 | 0.00 | | 86.72 | 714.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -732.87 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.77 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.78 |
| | 125 Hz | 111.00 | 0.00 | | 86.77 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.70 |
| | 250 Hz | 106.60 | 0.00 | | 86.77 | 6.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.41 |
| | 500 Hz | 103.70 | 0.00 | | 86.77 | 11.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.08 |
| | 1000 Hz | 99.80 | 0.00 | | 86.77 | 22.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.46 |
| | 2000 Hz | 95.60 | 0.00 | | 86.77 | 59.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.58 |
| | 4000 Hz | 86.90 | 0.00 | | 86.77 | 201.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.34 |
| | 8000 Hz | 65.40 | 0.00 | | 86.77 | 718.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -736.95 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 76.92 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.64 |
| | 125 Hz | 104.80 | 0.00 | | 76.92 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.06 |
| | 250 Hz | 101.20 | 0.00 | | 76.92 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.21 |
| | 500 Hz | 96.80 | 0.00 | | 76.92 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.06 |
| | 1000 Hz | 92.70 | 0.00 | | 76.92 | 7.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.54 |
| | 2000 Hz | 90.50 | 0.00 | | 76.92 | 19.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.54 |
| | 4000 Hz | 84.90 | 0.00 | | 76.92 | 64.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -53.85 |
| | 8000 Hz | 70.70 | 0.00 | | 76.92 | 231.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -234.42 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 74.22 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.81 |
| | 125 Hz | 106.90 | 0.00 | | 74.22 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.09 |
| | 250 Hz | 104.10 | 0.00 | | 74.22 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.37 |
| | 500 Hz | 100.40 | 0.00 | | 74.22 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.39 |
| | 1000 Hz | 96.10 | 0.00 | | 74.22 | 5.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.58 |
| | 2000 Hz | 90.70 | 0.00 | | 74.22 | 14.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.48 |
| | 4000 Hz | 83.90 | 0.00 | | 74.22 | 47.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.80 |
| | 8000 Hz | 75.80 | 0.00 | | 74.22 | 169.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -164.76 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 72.36 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.70 |
| | 125 Hz | 108.80 | 0.00 | | 72.36 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.96 |
| | 250 Hz | 106.10 | 0.00 | | 72.36 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.52 |
| | 500 Hz | 102.40 | 0.00 | | 72.36 | 2.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.78 |
| | 1000 Hz | 98.10 | 0.00 | | 72.36 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.46 |
| | 2000 Hz | 92.80 | 0.00 | | 72.36 | 11.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.13 |
| | 4000 Hz | 85.90 | 0.00 | | 72.36 | 38.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.80 |
| | 8000 Hz | 77.90 | 0.00 | | 72.36 | 136.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.20 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 68.27 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.84 |
| | 125 Hz | 106.90 | 0.00 | | 68.27 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.33 |
| | 250 Hz | 104.10 | 0.00 | | 68.27 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.07 |
| | 500 Hz | 100.40 | 0.00 | | 68.27 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.72 |
| | 1000 Hz | 96.10 | 0.00 | | 68.27 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.16 |
| | 2000 Hz | 90.70 | 0.00 | | 68.27 | 7.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.37 |
| | 4000 Hz | 83.90 | 0.00 | | 68.27 | 23.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.31 |
| | 8000 Hz | 75.80 | 0.00 | | 68.27 | 85.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.85 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 69.75 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.35 |
| | 125 Hz | 108.80 | 0.00 | | 69.75 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.70 |
| | 250 Hz | 106.10 | 0.00 | | 69.75 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.45 |
| | 500 Hz | 102.40 | 0.00 | | 69.75 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.98 |
| | 1000 Hz | 98.10 | 0.00 | | 69.75 | 3.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.19 |
| | 2000 Hz | 92.80 | 0.00 | | 69.75 | 8.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.68 |
| | 4000 Hz | 85.90 | 0.00 | | 69.75 | 28.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.23 |
| | 8000 Hz | 77.90 | 0.00 | | 69.75 | 101.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -90.06 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 73.24 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.70 |
| | 125 Hz | 110.70 | 0.00 | | 73.24 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.93 |
| | 250 Hz | 108.00 | 0.00 | | 73.24 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.41 |
| | 500 Hz | 104.50 | 0.00 | | 73.24 | 2.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 1000 Hz | 100.10 | 0.00 | | 73.24 | 4.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.12 |
| | 2000 Hz | 94.80 | 0.00 | | 73.24 | 12.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.05 |
| | 4000 Hz | 87.90 | 0.00 | | 73.24 | 42.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.77 |
| | 8000 Hz | 79.90 | 0.00 | | 73.24 | 151.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -141.68 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 75.65 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.45 |
| | 125 Hz | 110.90 | 0.00 | | 75.65 | 0.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.55 |
| | 250 Hz | 108.10 | 0.00 | | 75.65 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.67 |
| | 500 Hz | 104.40 | 0.00 | | 75.65 | 3.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.46 |
| | 1000 Hz | 100.10 | 0.00 | | 75.65 | 6.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.21 |
| | 2000 Hz | 94.80 | 0.00 | | 75.65 | 16.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.65 |
| | 4000 Hz | 88.00 | 0.00 | | 75.65 | 55.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.60 |
| | 8000 Hz | 80.00 | 0.00 | | 75.65 | 199.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -192.22 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 76.13 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.75 |
| | 125 Hz | 110.70 | 0.00 | | 76.13 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.82 |
| | 250 Hz | 108.00 | 0.00 | | 76.13 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.98 |
| | 500 Hz | 104.50 | 0.00 | | 76.13 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.89 |
| | 1000 Hz | 100.10 | 0.00 | | 76.13 | 6.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.36 |
| | 2000 Hz | 94.80 | 0.00 | | 76.13 | 17.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.21 |
| | 4000 Hz | 87.90 | 0.00 | | 76.13 | 59.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.42 |
| | 8000 Hz | 79.90 | 0.00 | | 76.13 | 211.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.34 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 77.58 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.46 |
| | 125 Hz | 110.90 | 0.00 | | 77.58 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.44 |
| | 250 Hz | 108.10 | 0.00 | | 77.58 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.29 |
| | 500 Hz | 104.40 | 0.00 | | 77.58 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.70 |
| | 1000 Hz | 100.10 | 0.00 | | 77.58 | 7.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.71 |
| | 2000 Hz | 94.80 | 0.00 | | 77.58 | 20.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.41 |
| | 4000 Hz | 88.00 | 0.00 | | 77.58 | 69.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.53 |
| | 8000 Hz | 80.00 | 0.00 | | 77.58 | 249.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -244.05 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.14 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.65 |
| | 125 Hz | 110.70 | 0.00 | | 79.14 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.51 |
| | 250 Hz | 108.00 | 0.00 | | 79.14 | 2.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.20 |
| | 500 Hz | 104.50 | 0.00 | | 79.14 | 4.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.44 |
| | 1000 Hz | 100.10 | 0.00 | | 79.14 | 9.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.62 |
| | 2000 Hz | 94.80 | 0.00 | | 79.14 | 24.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.01 |
| | 4000 Hz | 87.90 | 0.00 | | 79.14 | 83.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -71.91 |
| | 8000 Hz | 79.90 | 0.00 | | 79.14 | 298.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -294.68 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt026 | IP X | 381223.76 | 5776344.99 | 70.695 | 41.96 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 86.30 | 11.20 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | -2.24 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 70.08 | 1.73 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | 21.59 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 77.52 | 4.08 | 4.66 | 0.00 | 0.00 | 0.11 | 0.00 | 11.64 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 72.97 | 2.41 | 4.67 | 0.00 | 0.00 | 0.00 | 0.00 | -76.04 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.52 | 0.41 | -3.00 | 0.00 | 0.00 | 4.64 | 0.00 | 20.64 |
| | 125 Hz | 102.50 | 0.00 | | 81.52 | 1.38 | -3.00 | 0.00 | 0.00 | 4.50 | 0.00 | 18.10 |
| | 250 Hz | 99.20 | 0.00 | | 81.52 | 3.50 | -3.00 | 0.00 | 0.00 | 4.22 | 0.00 | 12.96 |
| | 500 Hz | 96.00 | 0.00 | | 81.52 | 6.47 | -3.00 | 0.00 | 0.00 | 3.59 | 0.00 | 7.42 |
| | 1000 Hz | 92.30 | 0.00 | | 81.52 | 12.28 | -3.00 | 0.00 | 0.00 | 1.96 | 0.00 | -0.45 |
| | 2000 Hz | 89.10 | 0.00 | | 81.52 | 32.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.86 |
| | 4000 Hz | 85.30 | 0.00 | | 81.52 | 110.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -103.23 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.89 | 0.43 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | 23.17 |
| | 125 Hz | 105.50 | 0.00 | | 81.89 | 1.44 | -3.00 | 0.00 | 0.00 | 4.66 | 0.00 | 20.51 |
| | 250 Hz | 102.20 | 0.00 | | 81.89 | 3.66 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | 15.11 |
| | 500 Hz | 99.00 | 0.00 | | 81.89 | 6.76 | -3.00 | 0.00 | 0.00 | 4.31 | 0.00 | 9.05 |
| | 1000 Hz | 95.30 | 0.00 | | 81.89 | 12.82 | -3.00 | 0.00 | 0.00 | 3.78 | 0.00 | -0.19 |
| | 2000 Hz | 92.10 | 0.00 | | 81.89 | 33.87 | -3.00 | 0.00 | 0.00 | 2.51 | 0.00 | -23.17 |
| | 4000 Hz | 88.30 | 0.00 | | 81.89 | 114.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -105.45 |

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|---------|---------------|--------|------|--|-------|------|-------|------|------|------|------|-------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.45 | 0.13 | -3.00 | 0.00 | 0.00 | 1.58 | 0.00 | 38.24 |
| | 63 Hz | 116.40 | 0.00 | | 83.45 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.44 |
| | 125 Hz | 110.70 | 0.00 | | 83.45 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.52 |
| | 250 Hz | 104.40 | 0.00 | | 83.45 | 4.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.57 |
| | 500 Hz | 101.20 | 0.00 | | 83.45 | 8.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.66 |

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| enveco GmbH | | |
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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.40 | 0.00 | | 83.45 | 15.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 |
| | 2000 Hz | 93.80 | 0.00 | | 83.45 | 40.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.20 |
| | 4000 Hz | 86.70 | 0.00 | | 83.45 | 137.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -131.24 |
| | 8000 Hz | 78.40 | 0.00 | | 83.45 | 490.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -492.41 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 77.24 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.09 |
| | 63 Hz | 116.40 | 0.00 | | 77.24 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.91 |
| | 125 Hz | 110.70 | 0.00 | | 77.24 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.62 |
| | 250 Hz | 104.40 | 0.00 | | 77.24 | 2.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.02 |
| | 500 Hz | 101.20 | 0.00 | | 77.24 | 3.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.01 |
| | 1000 Hz | 99.40 | 0.00 | | 77.24 | 7.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.66 |
| | 2000 Hz | 93.80 | 0.00 | | 77.24 | 19.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 |
| | 4000 Hz | 86.70 | 0.00 | | 77.24 | 67.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.78 |
| | 8000 Hz | 78.40 | 0.00 | | 77.24 | 239.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -235.65 |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.56 | 0.12 | -3.00 | 0.00 | 0.00 | 1.46 | 0.00 | 39.26 |
| | 63 Hz | 116.40 | 0.00 | | 82.56 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.38 |
| | 125 Hz | 110.70 | 0.00 | | 82.56 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.59 |
| | 250 Hz | 104.40 | 0.00 | | 82.56 | 3.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.90 |
| | 500 Hz | 101.20 | 0.00 | | 82.56 | 7.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.35 |
| | 1000 Hz | 99.40 | 0.00 | | 82.56 | 13.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.01 |
| | 2000 Hz | 93.80 | 0.00 | | 82.56 | 36.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.32 |
| | 4000 Hz | 86.70 | 0.00 | | 82.56 | 124.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -116.86 |
| | 8000 Hz | 78.40 | 0.00 | | 82.56 | 442.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -443.42 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.16 | 0.13 | -3.00 | 0.00 | 0.00 | 1.59 | 0.00 | 38.52 |
| | 63 Hz | 116.40 | 0.00 | | 83.16 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.74 |
| | 125 Hz | 110.70 | 0.00 | | 83.16 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.87 |
| | 250 Hz | 104.40 | 0.00 | | 83.16 | 4.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 |
| | 500 Hz | 101.20 | 0.00 | | 83.16 | 7.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.22 |
| | 1000 Hz | 99.40 | 0.00 | | 83.16 | 14.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.40 |
| | 2000 Hz | 93.80 | 0.00 | | 83.16 | 39.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.58 |
| | 4000 Hz | 86.70 | 0.00 | | 83.16 | 132.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -126.44 |
| | 8000 Hz | 78.40 | 0.00 | | 83.16 | 474.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -476.05 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.95 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.35 |
| | 63 Hz | 116.40 | 0.00 | | 80.95 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.07 |
| | 125 Hz | 110.70 | 0.00 | | 80.95 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.46 |
| | 250 Hz | 104.40 | 0.00 | | 80.95 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.17 |
| | 500 Hz | 101.20 | 0.00 | | 80.95 | 6.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.19 |
| | 1000 Hz | 99.40 | 0.00 | | 80.95 | 11.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.95 |
| | 2000 Hz | 93.80 | 0.00 | | 80.95 | 30.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.54 |
| | 4000 Hz | 86.70 | 0.00 | | 80.95 | 103.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -94.31 |
| | 8000 Hz | 78.40 | 0.00 | | 80.95 | 367.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -367.14 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.42 | 0.11 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | 39.75 |
| | 63 Hz | 116.40 | 0.00 | | 81.42 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.57 |
| | 125 Hz | 110.70 | 0.00 | | 81.42 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.91 |
| | 250 Hz | 104.40 | 0.00 | | 81.42 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.52 |
| | 500 Hz | 101.20 | 0.00 | | 81.42 | 6.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.38 |
| | 1000 Hz | 99.40 | 0.00 | | 81.42 | 12.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.84 |
| | 2000 Hz | 93.80 | 0.00 | | 81.42 | 32.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.71 |
| | 4000 Hz | 86.70 | 0.00 | | 81.42 | 108.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.52 |
| | 8000 Hz | 78.40 | 0.00 | | 81.42 | 388.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -388.08 |

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| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.73 | 0.12 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 36.10 |
| | 63 Hz | 116.40 | 0.00 | | 82.73 | 0.47 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | | 32.11 |
| | 125 Hz | 110.70 | 0.00 | | 82.73 | 1.59 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | | 26.09 |
| | 250 Hz | 104.40 | 0.00 | | 82.73 | 4.03 | -3.00 | 0.00 | 0.00 | 1.04 | 0.00 | | 19.61 |
| | 500 Hz | 101.20 | 0.00 | | 82.73 | 7.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.03 |
| | 1000 Hz | 99.40 | 0.00 | | 82.73 | 14.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.55 |
| | 2000 Hz | 93.80 | 0.00 | | 82.73 | 37.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.23 |
| | 4000 Hz | 86.70 | 0.00 | | 82.73 | 126.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.53 |
| | 8000 Hz | 78.40 | 0.00 | | 82.73 | 451.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -452.53 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.74 | 0.11 | -3.00 | 0.00 | 0.00 | 0.72 | 0.00 | | 40.83 |
| | 63 Hz | 116.40 | 0.00 | | 81.74 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.24 |
| | 125 Hz | 110.70 | 0.00 | | 81.74 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.54 |
| | 250 Hz | 104.40 | 0.00 | | 81.74 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.06 |
| | 500 Hz | 101.20 | 0.00 | | 81.74 | 6.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.82 |
| | 1000 Hz | 99.40 | 0.00 | | 81.74 | 12.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.06 |
| | 2000 Hz | 93.80 | 0.00 | | 81.74 | 33.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.23 |
| | 4000 Hz | 86.70 | 0.00 | | 81.74 | 112.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.94 |
| | 8000 Hz | 78.40 | 0.00 | | 81.74 | 402.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -403.01 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 81.17 | 0.10 | -3.00 | 0.00 | 0.00 | 2.50 | 0.00 | | 36.33 |
| | 63 Hz | 113.10 | 0.00 | | 81.17 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.54 |
| | 125 Hz | 107.40 | 0.00 | | 81.17 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.90 |
| | 250 Hz | 101.10 | 0.00 | | 81.17 | 3.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.56 |
| | 500 Hz | 97.90 | 0.00 | | 81.17 | 6.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.51 |
| | 1000 Hz | 96.10 | 0.00 | | 81.17 | 11.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.13 |
| | 2000 Hz | 90.50 | 0.00 | | 81.17 | 31.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.85 |
| | 4000 Hz | 83.40 | 0.00 | | 81.17 | 105.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.50 |
| | 8000 Hz | 75.10 | 0.00 | | 81.17 | 377.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -380.16 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.34 | 0.12 | -3.00 | 0.00 | 0.00 | 2.67 | 0.00 | | 38.27 |
| | 63 Hz | 116.40 | 0.00 | | 82.34 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.61 |
| | 125 Hz | 110.70 | 0.00 | | 82.34 | 1.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.85 |
| | 250 Hz | 104.40 | 0.00 | | 82.34 | 3.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.21 |
| | 500 Hz | 101.20 | 0.00 | | 82.34 | 7.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.75 |
| | 1000 Hz | 99.40 | 0.00 | | 82.34 | 13.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.57 |
| | 2000 Hz | 93.80 | 0.00 | | 82.34 | 35.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.19 |
| | 4000 Hz | 86.70 | 0.00 | | 82.34 | 120.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.54 |
| | 8000 Hz | 78.40 | 0.00 | | 82.34 | 431.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -432.17 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.30 | 0.13 | -3.00 | 0.00 | 0.00 | 3.87 | 0.00 | | 36.10 |
| | 63 Hz | 116.40 | 0.00 | | 83.30 | 0.50 | -3.00 | 0.00 | 0.00 | 2.73 | 0.00 | | 32.87 |
| | 125 Hz | 110.70 | 0.00 | | 83.30 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.71 |
| | 250 Hz | 104.40 | 0.00 | | 83.30 | 4.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.80 |
| | 500 Hz | 101.20 | 0.00 | | 83.30 | 7.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.96 |
| | 1000 Hz | 99.40 | 0.00 | | 83.30 | 15.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.03 |
| | 2000 Hz | 93.80 | 0.00 | | 83.30 | 39.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.31 |
| | 4000 Hz | 86.70 | 0.00 | | 83.30 | 135.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.62 |
| | 8000 Hz | 78.40 | 0.00 | | 83.30 | 481.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -483.49 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 86.93 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.01 |
| | 125 Hz | 104.80 | 0.00 | | 86.93 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.30 |
| | 250 Hz | 101.50 | 0.00 | | 86.93 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.05 |
| | 500 Hz | 97.10 | 0.00 | | 86.93 | 12.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.11 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 91.00 | 0.00 | | 86.93 | 22.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.81 |
| | 2000 Hz | 86.30 | 0.00 | | 86.93 | 60.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.09 |
| | 4000 Hz | 80.30 | 0.00 | | 86.93 | 205.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -208.68 |
| | 8000 Hz | 74.00 | 0.00 | | 86.93 | 731.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -741.27 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.33 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.46 |
| | 63 Hz | 113.00 | 0.00 | | 87.33 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| | 125 Hz | 108.60 | 0.00 | | 87.33 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.57 |
| | 250 Hz | 105.70 | 0.00 | | 87.33 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.52 |
| | 500 Hz | 101.70 | 0.00 | | 87.33 | 12.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 |
| | 1000 Hz | 95.50 | 0.00 | | 87.33 | 23.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.82 |
| | 2000 Hz | 89.70 | 0.00 | | 87.33 | 63.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.01 |
| | 4000 Hz | 82.20 | 0.00 | | 87.33 | 214.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -217.05 |
| | 8000 Hz | 74.00 | 0.00 | | 87.33 | 766.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -776.87 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.34 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.45 |
| | 63 Hz | 113.00 | 0.00 | | 87.34 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.87 |
| | 125 Hz | 108.60 | 0.00 | | 87.34 | 2.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.57 |
| | 250 Hz | 105.70 | 0.00 | | 87.34 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.52 |
| | 500 Hz | 101.70 | 0.00 | | 87.34 | 12.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 |
| | 1000 Hz | 95.50 | 0.00 | | 87.34 | 23.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.83 |
| | 2000 Hz | 89.70 | 0.00 | | 87.34 | 63.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.03 |
| | 4000 Hz | 82.20 | 0.00 | | 87.34 | 214.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -217.11 |
| | 8000 Hz | 74.00 | 0.00 | | 87.34 | 766.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -777.08 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 85.77 | 0.18 | -3.00 | 0.00 | 0.00 | 1.82 | 0.00 | 30.13 |
| | 63 Hz | 111.30 | 0.00 | | 85.77 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.86 |
| | 125 Hz | 107.40 | 0.00 | | 85.77 | 2.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.38 |
| | 250 Hz | 102.80 | 0.00 | | 85.77 | 5.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.32 |
| | 500 Hz | 99.70 | 0.00 | | 85.77 | 10.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.37 |
| | 1000 Hz | 96.60 | 0.00 | | 85.77 | 20.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.20 |
| | 2000 Hz | 91.70 | 0.00 | | 85.77 | 52.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -44.00 |
| | 4000 Hz | 85.00 | 0.00 | | 85.77 | 179.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -177.26 |
| | 8000 Hz | 87.30 | 0.00 | | 85.77 | 640.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -635.66 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.34 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.77 |
| | 125 Hz | 108.60 | 0.00 | | 87.34 | 2.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.57 |
| | 250 Hz | 103.40 | 0.00 | | 87.34 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.22 |
| | 500 Hz | 99.10 | 0.00 | | 87.34 | 12.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 |
| | 1000 Hz | 98.00 | 0.00 | | 87.34 | 23.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.33 |
| | 2000 Hz | 89.80 | 0.00 | | 87.34 | 63.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.93 |
| | 4000 Hz | 85.30 | 0.00 | | 87.34 | 214.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -214.00 |
| | 8000 Hz | 80.10 | 0.00 | | 87.34 | 766.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -770.94 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.15 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.24 |
| | 63 Hz | 112.30 | 0.00 | | 87.15 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.37 |
| | 125 Hz | 108.10 | 0.00 | | 87.15 | 2.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.31 |
| | 250 Hz | 103.50 | 0.00 | | 87.15 | 6.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.65 |
| | 500 Hz | 100.70 | 0.00 | | 87.15 | 12.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 |
| | 1000 Hz | 98.30 | 0.00 | | 87.15 | 23.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.34 |
| | 2000 Hz | 93.80 | 0.00 | | 87.15 | 62.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.42 |
| | 4000 Hz | 86.20 | 0.00 | | 87.15 | 210.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -208.43 |
| | 8000 Hz | 78.20 | 0.00 | | 87.15 | 750.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -756.65 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | |
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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 31.5 Hz | 116.60 | 0.00 | | 86.87 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.53 |
| | 63 Hz | 111.70 | 0.00 | | 86.87 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.07 |
| | 125 Hz | 106.40 | 0.00 | | 86.87 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.97 |
| | 250 Hz | 102.10 | 0.00 | | 86.87 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.74 |
| | 500 Hz | 99.10 | 0.00 | | 86.87 | 11.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 |
| | 1000 Hz | 96.90 | 0.00 | | 86.87 | 22.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.72 |
| | 2000 Hz | 90.50 | 0.00 | | 86.87 | 60.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -53.49 |
| | 4000 Hz | 81.00 | 0.00 | | 86.87 | 203.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -206.72 |
| | 8000 Hz | 76.50 | 0.00 | | 86.87 | 727.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -734.42 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.66 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.62 |
| | 63 Hz | 110.40 | 0.00 | | 87.66 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.91 |
| | 125 Hz | 107.20 | 0.00 | | 87.66 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.74 |
| | 250 Hz | 101.70 | 0.00 | | 87.66 | 7.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.94 |
| | 500 Hz | 98.20 | 0.00 | | 87.66 | 13.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 |
| | 1000 Hz | 95.60 | 0.00 | | 87.66 | 24.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.96 |
| | 2000 Hz | 93.70 | 0.00 | | 87.66 | 65.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.76 |
| | 4000 Hz | 90.70 | 0.00 | | 87.66 | 223.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -217.10 |
| | 8000 Hz | 79.50 | 0.00 | | 87.66 | 795.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -801.02 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.61 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.06 |
| | 63 Hz | 111.60 | 0.00 | | 82.61 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.52 |
| | 125 Hz | 108.60 | 0.00 | | 82.61 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.42 |
| | 250 Hz | 106.50 | 0.00 | | 82.61 | 3.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.91 |
| | 500 Hz | 102.90 | 0.00 | | 82.61 | 7.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.95 |
| | 1000 Hz | 99.60 | 0.00 | | 82.61 | 13.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.06 |
| | 2000 Hz | 95.90 | 0.00 | | 82.61 | 36.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.52 |
| | 4000 Hz | 90.10 | 0.00 | | 82.61 | 124.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -114.32 |
| | 8000 Hz | 76.30 | 0.00 | | 82.61 | 445.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -448.46 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.60 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.08 |
| | 63 Hz | 111.60 | 0.00 | | 82.60 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.54 |
| | 125 Hz | 108.60 | 0.00 | | 82.60 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.44 |
| | 250 Hz | 106.50 | 0.00 | | 82.60 | 3.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.93 |
| | 500 Hz | 102.90 | 0.00 | | 82.60 | 7.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.97 |
| | 1000 Hz | 99.60 | 0.00 | | 82.60 | 13.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.09 |
| | 2000 Hz | 95.90 | 0.00 | | 82.60 | 36.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.45 |
| | 4000 Hz | 90.10 | 0.00 | | 82.60 | 124.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -114.11 |
| | 8000 Hz | 76.30 | 0.00 | | 82.60 | 444.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -447.74 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.38 | 0.11 | -3.00 | 0.00 | 0.00 | 2.64 | 0.00 | 32.68 |
| | 63 Hz | 111.60 | 0.00 | | 81.38 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.82 |
| | 125 Hz | 108.60 | 0.00 | | 81.38 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.87 |
| | 250 Hz | 106.50 | 0.00 | | 81.38 | 3.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.68 |
| | 500 Hz | 102.90 | 0.00 | | 81.38 | 6.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.16 |
| | 1000 Hz | 99.60 | 0.00 | | 81.38 | 12.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.15 |
| | 2000 Hz | 95.90 | 0.00 | | 81.38 | 31.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.39 |
| | 4000 Hz | 90.10 | 0.00 | | 81.38 | 108.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -96.51 |
| | 8000 Hz | 76.30 | 0.00 | | 81.38 | 386.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -388.11 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.82 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.88 |
| | 63 Hz | 111.60 | 0.00 | | 80.82 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.41 |
| | 125 Hz | 108.60 | 0.00 | | 80.82 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.51 |
| | 250 Hz | 106.50 | 0.00 | | 80.82 | 3.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.45 |
| | 500 Hz | 102.90 | 0.00 | | 80.82 | 5.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.11 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.60 | 0.00 | | 80.82 | 11.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.46 |
| | 2000 Hz | 95.90 | 0.00 | | 80.82 | 29.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.85 |
| | 4000 Hz | 90.10 | 0.00 | | 80.82 | 101.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.22 |
| | 8000 Hz | 76.30 | 0.00 | | 80.82 | 362.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -363.53 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.76 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.94 |
| | 63 Hz | 111.60 | 0.00 | | 80.76 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.46 |
| | 125 Hz | 108.60 | 0.00 | | 80.76 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.57 |
| | 250 Hz | 106.50 | 0.00 | | 80.76 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.53 |
| | 500 Hz | 102.90 | 0.00 | | 80.76 | 5.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.21 |
| | 1000 Hz | 99.60 | 0.00 | | 80.76 | 11.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.58 |
| | 2000 Hz | 95.90 | 0.00 | | 80.76 | 29.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.60 |
| | 4000 Hz | 90.10 | 0.00 | | 80.76 | 100.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -88.51 |
| | 8000 Hz | 76.30 | 0.00 | | 80.76 | 359.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -361.16 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.51 | 0.09 | -3.00 | 0.00 | 0.00 | 1.02 | 0.00 | 36.18 |
| | 63 Hz | 111.60 | 0.00 | | 79.51 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.76 |
| | 125 Hz | 108.60 | 0.00 | | 79.51 | 1.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.99 |
| | 250 Hz | 106.50 | 0.00 | | 79.51 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.21 |
| | 500 Hz | 102.90 | 0.00 | | 79.51 | 5.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.25 |
| | 1000 Hz | 99.60 | 0.00 | | 79.51 | 9.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.34 |
| | 2000 Hz | 95.90 | 0.00 | | 79.51 | 25.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.36 |
| | 4000 Hz | 90.10 | 0.00 | | 79.51 | 87.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -73.73 |
| | 8000 Hz | 76.30 | 0.00 | | 79.51 | 311.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -311.66 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.65 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.07 |
| | 63 Hz | 111.60 | 0.00 | | 78.65 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.65 |
| | 125 Hz | 108.60 | 0.00 | | 78.65 | 0.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.95 |
| | 250 Hz | 106.50 | 0.00 | | 78.65 | 2.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.33 |
| | 500 Hz | 102.90 | 0.00 | | 78.65 | 4.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.59 |
| | 1000 Hz | 99.60 | 0.00 | | 78.65 | 8.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.12 |
| | 2000 Hz | 95.90 | 0.00 | | 78.65 | 23.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.08 |
| | 4000 Hz | 90.10 | 0.00 | | 78.65 | 79.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.67 |
| | 8000 Hz | 76.30 | 0.00 | | 78.65 | 282.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -281.53 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.24 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.47 |
| | 63 Hz | 111.60 | 0.00 | | 79.24 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.04 |
| | 125 Hz | 108.60 | 0.00 | | 79.24 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.29 |
| | 250 Hz | 106.50 | 0.00 | | 79.24 | 2.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.56 |
| | 500 Hz | 102.90 | 0.00 | | 79.24 | 4.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.68 |
| | 1000 Hz | 99.60 | 0.00 | | 79.24 | 9.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.91 |
| | 2000 Hz | 95.90 | 0.00 | | 79.24 | 24.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.31 |
| | 4000 Hz | 90.10 | 0.00 | | 79.24 | 84.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -70.82 |
| | 8000 Hz | 76.30 | 0.00 | | 79.24 | 302.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -301.95 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 83.23 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -73.83 |
| | 125 Hz | 5.20 | 0.00 | | 83.23 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -76.71 |
| | 250 Hz | 1.90 | 0.00 | | 83.23 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -82.60 |
| | 500 Hz | -1.30 | 0.00 | | 83.23 | 7.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.41 |
| | 1000 Hz | -5.00 | 0.00 | | 83.23 | 14.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -100.19 |
| | 2000 Hz | -8.20 | 0.00 | | 83.23 | 39.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -127.95 |
| | 4000 Hz | -12.00 | 0.00 | | 83.23 | 134.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -226.23 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 77.11 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.85 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 106.50 | 0.00 | | 77.11 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.56 |
| | 250 Hz | 103.20 | 0.00 | | 77.11 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.98 |
| | 500 Hz | 100.00 | 0.00 | | 77.11 | 3.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.00 |
| | 1000 Hz | 96.30 | 0.00 | | 77.11 | 7.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.80 |
| | 2000 Hz | 93.10 | 0.00 | | 77.11 | 19.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.53 |
| | 4000 Hz | 89.30 | 0.00 | | 77.11 | 66.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.02 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.86 | 0.13 | -3.00 | 0.00 | 0.00 | 1.58 | 0.00 | | 33.23 |
| | 63 Hz | 110.90 | 0.00 | | 82.86 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.57 |
| | 125 Hz | 108.00 | 0.00 | | 82.86 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.53 |
| | 250 Hz | 103.80 | 0.00 | | 82.86 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.86 |
| | 500 Hz | 101.90 | 0.00 | | 82.86 | 7.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.50 |
| | 1000 Hz | 98.90 | 0.00 | | 82.86 | 14.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.72 |
| | 2000 Hz | 94.60 | 0.00 | | 82.86 | 37.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.10 |
| | 4000 Hz | 88.20 | 0.00 | | 82.86 | 128.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.00 |
| | 8000 Hz | 78.80 | 0.00 | | 82.86 | 457.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -458.82 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.67 | 0.11 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 34.59 |
| | 63 Hz | 110.90 | 0.00 | | 81.67 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.81 |
| | 125 Hz | 108.00 | 0.00 | | 81.67 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.92 |
| | 250 Hz | 103.80 | 0.00 | | 81.67 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.56 |
| | 500 Hz | 101.90 | 0.00 | | 81.67 | 6.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.64 |
| | 1000 Hz | 98.90 | 0.00 | | 81.67 | 12.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.73 |
| | 2000 Hz | 94.60 | 0.00 | | 81.67 | 33.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.10 |
| | 4000 Hz | 88.20 | 0.00 | | 81.67 | 112.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.48 |
| | 8000 Hz | 78.80 | 0.00 | | 81.67 | 399.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -399.38 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.19 | 0.12 | -3.00 | 0.00 | 0.00 | 1.45 | 0.00 | | 34.04 |
| | 63 Hz | 110.90 | 0.00 | | 82.19 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.27 |
| | 125 Hz | 108.00 | 0.00 | | 82.19 | 1.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.32 |
| | 250 Hz | 103.80 | 0.00 | | 82.19 | 3.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.83 |
| | 500 Hz | 101.90 | 0.00 | | 82.19 | 6.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.72 |
| | 1000 Hz | 98.90 | 0.00 | | 82.19 | 13.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.45 |
| | 2000 Hz | 94.60 | 0.00 | | 82.19 | 35.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.64 |
| | 4000 Hz | 88.20 | 0.00 | | 82.19 | 118.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.86 |
| | 8000 Hz | 78.80 | 0.00 | | 82.19 | 423.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -424.34 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.70 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.00 |
| | 63 Hz | 110.90 | 0.00 | | 80.70 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.83 |
| | 125 Hz | 108.00 | 0.00 | | 80.70 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.04 |
| | 250 Hz | 103.80 | 0.00 | | 80.70 | 3.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.91 |
| | 500 Hz | 101.90 | 0.00 | | 80.70 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.31 |
| | 1000 Hz | 98.90 | 0.00 | | 80.70 | 11.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.02 |
| | 2000 Hz | 94.60 | 0.00 | | 80.70 | 29.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.64 |
| | 4000 Hz | 88.20 | 0.00 | | 80.70 | 100.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.67 |
| | 8000 Hz | 78.80 | 0.00 | | 80.70 | 357.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -356.16 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 76.75 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.39 |
| | 63 Hz | 122.10 | 0.00 | | 76.75 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.12 |
| | 125 Hz | 115.00 | 0.00 | | 76.75 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.46 |
| | 250 Hz | 108.00 | 0.00 | | 76.75 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.23 |
| | 500 Hz | 103.90 | 0.00 | | 76.75 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.42 |
| | 1000 Hz | 101.60 | 0.00 | | 76.75 | 7.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.77 |
| | 2000 Hz | 96.70 | 0.00 | | 76.75 | 18.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.23 |
| | 4000 Hz | 88.60 | 0.00 | | 76.75 | 63.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.65 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 80.90 | 0.00 | | 76.75 | 226.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -219.36 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 77.98 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.24 |
| | 125 Hz | 109.80 | 0.00 | | 77.98 | 0.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.90 |
| | 250 Hz | 107.40 | 0.00 | | 77.98 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.08 |
| | 500 Hz | 101.60 | 0.00 | | 77.98 | 4.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.31 |
| | 1000 Hz | 94.50 | 0.00 | | 77.98 | 8.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.34 |
| | 2000 Hz | 88.00 | 0.00 | | 77.98 | 21.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.59 |
| | 4000 Hz | 85.30 | 0.00 | | 77.98 | 73.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.94 |
| | 8000 Hz | 79.90 | 0.00 | | 77.98 | 261.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -256.35 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.23 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.10 |
| | 125 Hz | 110.80 | 0.00 | | 78.23 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.63 |
| | 250 Hz | 105.10 | 0.00 | | 78.23 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.48 |
| | 500 Hz | 102.60 | 0.00 | | 78.23 | 4.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.95 |
| | 1000 Hz | 99.60 | 0.00 | | 78.23 | 8.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.97 |
| | 2000 Hz | 93.10 | 0.00 | | 78.23 | 22.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.33 |
| | 4000 Hz | 80.70 | 0.00 | | 78.23 | 75.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.83 |
| | 8000 Hz | 77.00 | 0.00 | | 78.23 | 268.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -266.82 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.56 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.75 |
| | 125 Hz | 110.80 | 0.00 | | 78.56 | 0.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.26 |
| | 250 Hz | 105.10 | 0.00 | | 78.56 | 2.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.05 |
| | 500 Hz | 102.60 | 0.00 | | 78.56 | 4.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.44 |
| | 1000 Hz | 99.60 | 0.00 | | 78.56 | 8.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.31 |
| | 2000 Hz | 93.10 | 0.00 | | 78.56 | 23.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.53 |
| | 4000 Hz | 80.70 | 0.00 | | 78.56 | 78.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.11 |
| | 8000 Hz | 77.00 | 0.00 | | 78.56 | 279.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -277.67 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.83 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.47 |
| | 125 Hz | 110.80 | 0.00 | | 78.83 | 1.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.96 |
| | 250 Hz | 105.10 | 0.00 | | 78.83 | 2.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.70 |
| | 500 Hz | 102.60 | 0.00 | | 78.83 | 4.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.02 |
| | 1000 Hz | 99.60 | 0.00 | | 78.83 | 9.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.76 |
| | 2000 Hz | 93.10 | 0.00 | | 78.83 | 23.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.53 |
| | 4000 Hz | 80.70 | 0.00 | | 78.83 | 80.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.85 |
| | 8000 Hz | 77.00 | 0.00 | | 78.83 | 287.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -286.73 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 77.58 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.56 |
| | 125 Hz | 104.80 | 0.00 | | 77.58 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.34 |
| | 250 Hz | 99.40 | 0.00 | | 77.58 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.59 |
| | 500 Hz | 95.00 | 0.00 | | 77.58 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.30 |
| | 1000 Hz | 93.20 | 0.00 | | 77.58 | 7.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.81 |
| | 2000 Hz | 89.10 | 0.00 | | 77.58 | 20.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.11 |
| | 4000 Hz | 83.90 | 0.00 | | 77.58 | 69.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.63 |
| | 8000 Hz | 82.20 | 0.00 | | 77.58 | 249.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -241.85 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.31 | 1.00 | -3.00 | 0.00 | 0.00 | 2.38 | 0.00 | | 25.61 |
| | 125 Hz | 111.00 | 0.00 | | 89.31 | 3.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.30 |
| | 250 Hz | 106.60 | 0.00 | | 89.31 | 8.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.69 |
| | 500 Hz | 103.70 | 0.00 | | 89.31 | 15.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.51 |
| | 1000 Hz | 99.80 | 0.00 | | 89.31 | 30.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.64 |
| | 2000 Hz | 95.60 | 0.00 | | 89.31 | 79.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.31 |
| | 4000 Hz | 86.90 | 0.00 | | 89.31 | 269.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -269.34 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 65.40 | 0.00 | | 89.31 | 962.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -983.65 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.77 | 0.94 | -3.00 | 0.00 | 0.00 | 2.13 | 0.00 | | 26.45 |
| | 125 Hz | 111.00 | 0.00 | | 88.77 | 3.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.05 |
| | 250 Hz | 106.60 | 0.00 | | 88.77 | 8.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.76 |
| | 500 Hz | 103.70 | 0.00 | | 88.77 | 14.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.01 |
| | 1000 Hz | 99.80 | 0.00 | | 88.77 | 28.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.27 |
| | 2000 Hz | 95.60 | 0.00 | | 88.77 | 74.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.95 |
| | 4000 Hz | 86.90 | 0.00 | | 88.77 | 253.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -252.47 |
| | 8000 Hz | 65.40 | 0.00 | | 88.77 | 904.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -924.87 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.71 | 0.83 | -3.00 | 0.00 | 0.00 | 1.79 | 0.00 | | 27.97 |
| | 125 Hz | 111.00 | 0.00 | | 87.71 | 2.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.48 |
| | 250 Hz | 106.60 | 0.00 | | 87.71 | 7.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.75 |
| | 500 Hz | 103.70 | 0.00 | | 87.71 | 13.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.80 |
| | 1000 Hz | 99.80 | 0.00 | | 87.71 | 25.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.95 |
| | 2000 Hz | 95.60 | 0.00 | | 87.71 | 66.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.27 |
| | 4000 Hz | 86.90 | 0.00 | | 87.71 | 224.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -222.18 |
| | 8000 Hz | 65.40 | 0.00 | | 87.71 | 800.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -819.57 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.61 | 0.82 | -3.00 | 0.00 | 0.00 | 1.79 | 0.00 | | 27.68 |
| | 125 Hz | 110.20 | 0.00 | | 87.61 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.80 |
| | 250 Hz | 105.30 | 0.00 | | 87.61 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.62 |
| | 500 Hz | 102.70 | 0.00 | | 87.61 | 13.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.03 |
| | 1000 Hz | 99.80 | 0.00 | | 87.61 | 24.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.59 |
| | 2000 Hz | 95.50 | 0.00 | | 87.61 | 65.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.57 |
| | 4000 Hz | 84.90 | 0.00 | | 87.61 | 221.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.69 |
| | 8000 Hz | 61.80 | 0.00 | | 87.61 | 791.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -814.54 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.63 | 0.83 | -3.00 | 0.00 | 0.00 | 1.80 | 0.00 | | 27.64 |
| | 125 Hz | 110.20 | 0.00 | | 87.63 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.78 |
| | 250 Hz | 105.30 | 0.00 | | 87.63 | 7.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.59 |
| | 500 Hz | 102.70 | 0.00 | | 87.63 | 13.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.98 |
| | 1000 Hz | 99.80 | 0.00 | | 87.63 | 24.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.66 |
| | 2000 Hz | 95.50 | 0.00 | | 87.63 | 65.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.73 |
| | 4000 Hz | 84.90 | 0.00 | | 87.63 | 222.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -222.18 |
| | 8000 Hz | 61.80 | 0.00 | | 87.63 | 793.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -816.23 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.85 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.69 |
| | 125 Hz | 111.00 | 0.00 | | 86.85 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.60 |
| | 250 Hz | 106.60 | 0.00 | | 86.85 | 6.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.27 |
| | 500 Hz | 103.70 | 0.00 | | 86.85 | 11.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.89 |
| | 1000 Hz | 99.80 | 0.00 | | 86.85 | 22.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.75 |
| | 2000 Hz | 95.60 | 0.00 | | 86.85 | 59.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.22 |
| | 4000 Hz | 86.90 | 0.00 | | 86.85 | 203.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -200.30 |
| | 8000 Hz | 65.40 | 0.00 | | 86.85 | 725.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -743.73 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.87 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.67 |
| | 125 Hz | 111.00 | 0.00 | | 86.87 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.58 |
| | 250 Hz | 106.60 | 0.00 | | 86.87 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.25 |
| | 500 Hz | 103.70 | 0.00 | | 86.87 | 11.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.85 |
| | 1000 Hz | 99.80 | 0.00 | | 86.87 | 22.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.80 |
| | 2000 Hz | 95.60 | 0.00 | | 86.87 | 60.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.34 |
| | 4000 Hz | 86.90 | 0.00 | | 86.87 | 203.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -200.69 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 65.40 | 0.00 | | 86.87 | 726.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -745.06 |

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| WEAI019 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 75.79 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.80 |
| | 125 Hz | 104.80 | 0.00 | | 75.79 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.29 |
| | 250 Hz | 101.20 | 0.00 | | 75.79 | 1.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.60 |
| | 500 Hz | 96.80 | 0.00 | | 75.79 | 3.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.66 |
| | 1000 Hz | 92.70 | 0.00 | | 75.79 | 6.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.56 |
| | 2000 Hz | 90.50 | 0.00 | | 75.79 | 16.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.93 |
| | 4000 Hz | 84.90 | 0.00 | | 75.79 | 56.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.80 |
| | 8000 Hz | 70.70 | 0.00 | | 75.79 | 202.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.05 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 73.95 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.08 |
| | 125 Hz | 106.90 | 0.00 | | 73.95 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.38 |
| | 250 Hz | 104.10 | 0.00 | | 73.95 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.69 |
| | 500 Hz | 100.40 | 0.00 | | 73.95 | 2.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.75 |
| | 1000 Hz | 96.10 | 0.00 | | 73.95 | 5.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.02 |
| | 2000 Hz | 90.70 | 0.00 | | 73.95 | 13.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.18 |
| | 4000 Hz | 83.90 | 0.00 | | 73.95 | 46.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.06 |
| | 8000 Hz | 75.80 | 0.00 | | 73.95 | 164.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -159.28 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 72.93 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.11 |
| | 125 Hz | 108.80 | 0.00 | | 72.93 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.35 |
| | 250 Hz | 106.10 | 0.00 | | 72.93 | 1.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.86 |
| | 500 Hz | 102.40 | 0.00 | | 72.93 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.06 |
| | 1000 Hz | 98.10 | 0.00 | | 72.93 | 4.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.60 |
| | 2000 Hz | 92.80 | 0.00 | | 72.93 | 12.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.79 |
| | 4000 Hz | 85.90 | 0.00 | | 72.93 | 40.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.98 |
| | 8000 Hz | 77.90 | 0.00 | | 72.93 | 146.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -138.08 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 68.30 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.81 |
| | 125 Hz | 106.90 | 0.00 | | 68.30 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.30 |
| | 250 Hz | 104.10 | 0.00 | | 68.30 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.03 |
| | 500 Hz | 100.40 | 0.00 | | 68.30 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.69 |
| | 1000 Hz | 96.10 | 0.00 | | 68.30 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.12 |
| | 2000 Hz | 90.70 | 0.00 | | 68.30 | 7.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.31 |
| | 4000 Hz | 83.90 | 0.00 | | 68.30 | 24.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.43 |
| | 8000 Hz | 75.80 | 0.00 | | 68.30 | 85.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.19 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 71.64 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.43 |
| | 125 Hz | 108.80 | 0.00 | | 71.64 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.72 |
| | 250 Hz | 106.10 | 0.00 | | 71.64 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.34 |
| | 500 Hz | 102.40 | 0.00 | | 71.64 | 2.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.69 |
| | 1000 Hz | 98.10 | 0.00 | | 71.64 | 3.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.53 |
| | 2000 Hz | 92.80 | 0.00 | | 71.64 | 10.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.76 |
| | 4000 Hz | 85.90 | 0.00 | | 71.64 | 35.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.01 |
| | 8000 Hz | 77.90 | 0.00 | | 71.64 | 125.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.56 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.75 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.17 |
| | 125 Hz | 110.70 | 0.00 | | 74.75 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.32 |
| | 250 Hz | 108.00 | 0.00 | | 74.75 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.65 |
| | 500 Hz | 104.50 | 0.00 | | 74.75 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.79 |
| | 1000 Hz | 100.10 | 0.00 | | 74.75 | 5.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.72 |
| | 2000 Hz | 94.80 | 0.00 | | 74.75 | 14.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.18 |
| | 4000 Hz | 87.90 | 0.00 | | 74.75 | 50.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.29 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
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| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 79.90 | 0.00 | | 74.75 | 179.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -171.78 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 76.63 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.44 |
| | 125 Hz | 110.90 | 0.00 | | 76.63 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.48 |
| | 250 Hz | 108.10 | 0.00 | | 76.63 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.47 |
| | 500 Hz | 104.40 | 0.00 | | 76.63 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.08 |
| | 1000 Hz | 100.10 | 0.00 | | 76.63 | 6.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.48 |
| | 2000 Hz | 94.80 | 0.00 | | 76.63 | 18.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.69 |
| | 4000 Hz | 88.00 | 0.00 | | 76.63 | 62.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.31 |
| | 8000 Hz | 80.00 | 0.00 | | 76.63 | 223.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -217.17 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 77.33 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.51 |
| | 125 Hz | 110.70 | 0.00 | | 77.33 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.51 |
| | 250 Hz | 108.00 | 0.00 | | 77.33 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.50 |
| | 500 Hz | 104.50 | 0.00 | | 77.33 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.17 |
| | 1000 Hz | 100.10 | 0.00 | | 77.33 | 7.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.18 |
| | 2000 Hz | 94.80 | 0.00 | | 77.33 | 20.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.43 |
| | 4000 Hz | 87.90 | 0.00 | | 77.33 | 67.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.39 |
| | 8000 Hz | 79.90 | 0.00 | | 77.33 | 242.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -236.82 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 78.28 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.74 |
| | 125 Hz | 110.90 | 0.00 | | 78.28 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.67 |
| | 250 Hz | 108.10 | 0.00 | | 78.28 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.41 |
| | 500 Hz | 104.40 | 0.00 | | 78.28 | 4.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.67 |
| | 1000 Hz | 100.10 | 0.00 | | 78.28 | 8.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.37 |
| | 2000 Hz | 94.80 | 0.00 | | 78.28 | 22.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.82 |
| | 4000 Hz | 88.00 | 0.00 | | 78.28 | 75.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.05 |
| | 8000 Hz | 80.00 | 0.00 | | 78.28 | 270.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -265.52 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.77 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.00 |
| | 125 Hz | 110.70 | 0.00 | | 79.77 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.80 |
| | 250 Hz | 108.00 | 0.00 | | 79.77 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.37 |
| | 500 Hz | 104.50 | 0.00 | | 79.77 | 5.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.44 |
| | 1000 Hz | 100.10 | 0.00 | | 79.77 | 10.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.29 |
| | 2000 Hz | 94.80 | 0.00 | | 79.77 | 26.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.49 |
| | 4000 Hz | 87.90 | 0.00 | | 79.77 | 89.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.81 |
| | 8000 Hz | 79.90 | 0.00 | | 79.77 | 320.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -317.67 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt027 | IP Y | 381206.66 | | 5776228.04 | | 70.838 | | 41.72 | |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 86.37 | 11.30 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.42 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 69.07 | 1.54 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.77 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 77.10 | 3.88 | 4.69 | 0.00 | 0.00 | 0.08 | 0.00 | | 12.26 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 72.62 | 2.32 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.62 |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|------|-------|------|-------|------|------|--|-------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.24 | 0.40 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | 20.82 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 102.50 | 0.00 | | 81.24 | 1.34 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | | 18.20 |
| | 250 Hz | 99.20 | 0.00 | | 81.24 | 3.39 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | 12.89 |
| | 500 Hz | 96.00 | 0.00 | | 81.24 | 6.27 | -3.00 | 0.00 | 0.00 | 4.58 | 0.00 | | 6.92 |
| | 1000 Hz | 92.30 | 0.00 | | 81.24 | 11.89 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | | -2.21 |
| | 2000 Hz | 89.10 | 0.00 | | 81.24 | 31.42 | -3.00 | 0.00 | 0.00 | 3.94 | 0.00 | | -24.50 |
| | 4000 Hz | 85.30 | 0.00 | | 81.24 | 106.55 | -3.00 | 0.00 | 0.00 | 2.91 | 0.00 | | -102.40 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.61 | 0.41 | -3.00 | 0.00 | 0.00 | 4.74 | 0.00 | | 23.43 |
| | 125 Hz | 105.50 | 0.00 | | 81.61 | 1.39 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | | 20.78 |
| | 250 Hz | 102.20 | 0.00 | | 81.61 | 3.54 | -3.00 | 0.00 | 0.00 | 4.66 | 0.00 | | 15.39 |
| | 500 Hz | 99.00 | 0.00 | | 81.61 | 6.54 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | | 9.30 |
| | 1000 Hz | 95.30 | 0.00 | | 81.61 | 12.41 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | -0.05 |
| | 2000 Hz | 92.10 | 0.00 | | 81.61 | 32.79 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | | -23.13 |
| | 4000 Hz | 88.30 | 0.00 | | 81.61 | 111.19 | -3.00 | 0.00 | 0.00 | 2.64 | 0.00 | | -104.14 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.22 | 0.13 | -3.00 | 0.00 | 0.00 | 4.07 | 0.00 | | 35.98 |
| | 63 Hz | 116.40 | 0.00 | | 83.22 | 0.50 | -3.00 | 0.00 | 0.00 | 3.24 | 0.00 | | 32.45 |
| | 125 Hz | 110.70 | 0.00 | | 83.22 | 1.68 | -3.00 | 0.00 | 0.00 | 0.90 | 0.00 | | 27.91 |
| | 250 Hz | 104.40 | 0.00 | | 83.22 | 4.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.92 |
| | 500 Hz | 101.20 | 0.00 | | 83.22 | 7.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.11 |
| | 1000 Hz | 99.40 | 0.00 | | 83.22 | 14.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.24 |
| | 2000 Hz | 93.80 | 0.00 | | 83.22 | 39.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.89 |
| | 4000 Hz | 86.70 | 0.00 | | 83.22 | 133.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.36 |
| | 8000 Hz | 78.40 | 0.00 | | 83.22 | 477.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -479.19 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 76.73 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.61 |
| | 63 Hz | 116.40 | 0.00 | | 76.73 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.44 |
| | 125 Hz | 110.70 | 0.00 | | 76.73 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.18 |
| | 250 Hz | 104.40 | 0.00 | | 76.73 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.66 |
| | 500 Hz | 101.20 | 0.00 | | 76.73 | 3.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.75 |
| | 1000 Hz | 99.40 | 0.00 | | 76.73 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.60 |
| | 2000 Hz | 93.80 | 0.00 | | 76.73 | 18.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.38 |
| | 4000 Hz | 86.70 | 0.00 | | 76.73 | 63.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -50.40 |
| | 8000 Hz | 78.40 | 0.00 | | 76.73 | 226.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.37 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.29 | 0.12 | -3.00 | 0.00 | 0.00 | 4.20 | 0.00 | | 36.79 |
| | 63 Hz | 116.40 | 0.00 | | 82.29 | 0.45 | -3.00 | 0.00 | 0.00 | 3.55 | 0.00 | | 33.12 |
| | 125 Hz | 110.70 | 0.00 | | 82.29 | 1.51 | -3.00 | 0.00 | 0.00 | 1.88 | 0.00 | | 28.03 |
| | 250 Hz | 104.40 | 0.00 | | 82.29 | 3.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.28 |
| | 500 Hz | 101.20 | 0.00 | | 82.29 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.84 |
| | 1000 Hz | 99.40 | 0.00 | | 82.29 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.70 |
| | 2000 Hz | 93.80 | 0.00 | | 82.29 | 35.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.94 |
| | 4000 Hz | 86.70 | 0.00 | | 82.29 | 120.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.81 |
| | 8000 Hz | 78.40 | 0.00 | | 82.29 | 428.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -429.68 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.92 | 0.13 | -3.00 | 0.00 | 0.00 | 4.06 | 0.00 | | 36.30 |
| | 63 Hz | 116.40 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 3.21 | 0.00 | | 32.79 |
| | 125 Hz | 110.70 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 0.81 | 0.00 | | 28.35 |
| | 250 Hz | 104.40 | 0.00 | | 82.92 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.37 |
| | 500 Hz | 101.20 | 0.00 | | 82.92 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.68 |
| | 1000 Hz | 99.40 | 0.00 | | 82.92 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.06 |
| | 2000 Hz | 93.80 | 0.00 | | 82.92 | 38.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.22 |
| | 4000 Hz | 86.70 | 0.00 | | 82.92 | 129.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.44 |
| | 8000 Hz | 78.40 | 0.00 | | 82.92 | 460.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -462.42 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.63 | 0.10 | -3.00 | 0.00 | 0.00 | 0.84 | 0.00 | | 41.84 |
| | 63 Hz | 116.40 | 0.00 | | 80.63 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.41 |
| | 125 Hz | 110.70 | 0.00 | | 80.63 | 1.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.83 |
| | 250 Hz | 104.40 | 0.00 | | 80.63 | 3.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.61 |
| | 500 Hz | 101.20 | 0.00 | | 80.63 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.73 |
| | 1000 Hz | 99.40 | 0.00 | | 80.63 | 11.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.69 |
| | 2000 Hz | 93.80 | 0.00 | | 80.63 | 29.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.10 |
| | 4000 Hz | 86.70 | 0.00 | | 80.63 | 99.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -90.21 |
| | 8000 Hz | 78.40 | 0.00 | | 80.63 | 354.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -353.34 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.12 | 0.10 | -3.00 | 0.00 | 0.00 | 2.38 | 0.00 | | 39.80 |
| | 63 Hz | 116.40 | 0.00 | | 81.12 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.89 |
| | 125 Hz | 110.70 | 0.00 | | 81.12 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.26 |
| | 250 Hz | 104.40 | 0.00 | | 81.12 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.94 |
| | 500 Hz | 101.20 | 0.00 | | 81.12 | 6.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.90 |
| | 1000 Hz | 99.40 | 0.00 | | 81.12 | 11.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.55 |
| | 2000 Hz | 93.80 | 0.00 | | 81.12 | 30.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.30 |
| | 4000 Hz | 86.70 | 0.00 | | 81.12 | 105.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.50 |
| | 8000 Hz | 78.40 | 0.00 | | 81.12 | 374.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -374.50 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.48 | 0.12 | -3.00 | 0.00 | 0.00 | 4.56 | 0.00 | | 36.25 |
| | 63 Hz | 116.40 | 0.00 | | 82.48 | 0.46 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | 32.13 |
| | 125 Hz | 110.70 | 0.00 | | 82.48 | 1.54 | -3.00 | 0.00 | 0.00 | 3.85 | 0.00 | | 25.83 |
| | 250 Hz | 104.40 | 0.00 | | 82.48 | 3.91 | -3.00 | 0.00 | 0.00 | 2.68 | 0.00 | | 18.33 |
| | 500 Hz | 101.20 | 0.00 | | 82.48 | 7.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.50 |
| | 1000 Hz | 99.40 | 0.00 | | 82.48 | 13.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.21 |
| | 2000 Hz | 93.80 | 0.00 | | 82.48 | 36.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.91 |
| | 4000 Hz | 86.70 | 0.00 | | 82.48 | 122.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.65 |
| | 8000 Hz | 78.40 | 0.00 | | 82.48 | 438.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -439.33 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.48 | 0.11 | -3.00 | 0.00 | 0.00 | 1.82 | 0.00 | | 40.00 |
| | 63 Hz | 116.40 | 0.00 | | 81.48 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.51 |
| | 125 Hz | 110.70 | 0.00 | | 81.48 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.85 |
| | 250 Hz | 104.40 | 0.00 | | 81.48 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.43 |
| | 500 Hz | 101.20 | 0.00 | | 81.48 | 6.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.28 |
| | 1000 Hz | 99.40 | 0.00 | | 81.48 | 12.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.70 |
| | 2000 Hz | 93.80 | 0.00 | | 81.48 | 32.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.98 |
| | 4000 Hz | 86.70 | 0.00 | | 81.48 | 109.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.31 |
| | 8000 Hz | 78.40 | 0.00 | | 81.48 | 390.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -390.73 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 80.88 | 0.10 | -3.00 | 0.00 | 0.00 | 3.26 | 0.00 | | 35.86 |
| | 63 Hz | 113.10 | 0.00 | | 80.88 | 0.38 | -3.00 | 0.00 | 0.00 | 0.92 | 0.00 | | 33.92 |
| | 125 Hz | 107.40 | 0.00 | | 80.88 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.24 |
| | 250 Hz | 101.10 | 0.00 | | 80.88 | 3.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.97 |
| | 500 Hz | 97.90 | 0.00 | | 80.88 | 6.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.02 |
| | 1000 Hz | 96.10 | 0.00 | | 80.88 | 11.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.82 |
| | 2000 Hz | 90.50 | 0.00 | | 80.88 | 30.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.50 |
| | 4000 Hz | 83.40 | 0.00 | | 80.88 | 102.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.65 |
| | 8000 Hz | 75.10 | 0.00 | | 80.88 | 364.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -367.19 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.09 | 0.11 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | | 37.91 |
| | 63 Hz | 116.40 | 0.00 | | 82.09 | 0.44 | -3.00 | 0.00 | 0.00 | 1.01 | 0.00 | | 35.86 |
| | 125 Hz | 110.70 | 0.00 | | 82.09 | 1.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.14 |
| | 250 Hz | 104.40 | 0.00 | | 82.09 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.57 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.20 | 0.00 | | 82.09 | 6.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.20 |
| | 1000 Hz | 99.40 | 0.00 | | 82.09 | 13.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.20 |
| | 2000 Hz | 93.80 | 0.00 | | 82.09 | 34.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.93 |
| | 4000 Hz | 86.70 | 0.00 | | 82.09 | 117.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.86 |
| | 8000 Hz | 78.40 | 0.00 | | 82.09 | 419.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -419.68 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.07 | 0.13 | -3.00 | 0.00 | 0.00 | 4.05 | 0.00 | | 36.15 |
| | 63 Hz | 116.40 | 0.00 | | 83.07 | 0.49 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | | 32.65 |
| | 125 Hz | 110.70 | 0.00 | | 83.07 | 1.65 | -3.00 | 0.00 | 0.00 | 0.73 | 0.00 | | 28.25 |
| | 250 Hz | 104.40 | 0.00 | | 83.07 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.14 |
| | 500 Hz | 101.20 | 0.00 | | 83.07 | 7.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.39 |
| | 1000 Hz | 99.40 | 0.00 | | 83.07 | 14.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.65 |
| | 2000 Hz | 93.80 | 0.00 | | 83.07 | 38.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.07 |
| | 4000 Hz | 86.70 | 0.00 | | 83.07 | 131.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -124.94 |
| | 8000 Hz | 78.40 | 0.00 | | 83.07 | 469.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -470.92 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 87.04 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.89 |
| | 125 Hz | 104.80 | 0.00 | | 87.04 | 2.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.16 |
| | 250 Hz | 101.50 | 0.00 | | 87.04 | 6.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.85 |
| | 500 Hz | 97.10 | 0.00 | | 87.04 | 12.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.85 |
| | 1000 Hz | 91.00 | 0.00 | | 87.04 | 23.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.22 |
| | 2000 Hz | 86.30 | 0.00 | | 87.04 | 61.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.98 |
| | 4000 Hz | 80.30 | 0.00 | | 87.04 | 207.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -211.43 |
| | 8000 Hz | 74.00 | 0.00 | | 87.04 | 740.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -750.82 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.44 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.34 |
| | 63 Hz | 113.00 | 0.00 | | 87.44 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.75 |
| | 125 Hz | 108.60 | 0.00 | | 87.44 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.43 |
| | 250 Hz | 105.70 | 0.00 | | 87.44 | 6.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.33 |
| | 500 Hz | 101.70 | 0.00 | | 87.44 | 12.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.46 |
| | 1000 Hz | 95.50 | 0.00 | | 87.44 | 24.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.23 |
| | 2000 Hz | 89.70 | 0.00 | | 87.44 | 64.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.93 |
| | 4000 Hz | 82.20 | 0.00 | | 87.44 | 217.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -219.90 |
| | 8000 Hz | 74.00 | 0.00 | | 87.44 | 776.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -786.74 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.45 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.33 |
| | 63 Hz | 113.00 | 0.00 | | 87.45 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.74 |
| | 125 Hz | 108.60 | 0.00 | | 87.45 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.41 |
| | 250 Hz | 105.70 | 0.00 | | 87.45 | 6.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.31 |
| | 500 Hz | 101.70 | 0.00 | | 87.45 | 12.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.43 |
| | 1000 Hz | 95.50 | 0.00 | | 87.45 | 24.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.27 |
| | 2000 Hz | 89.70 | 0.00 | | 87.45 | 64.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.00 |
| | 4000 Hz | 82.20 | 0.00 | | 87.45 | 217.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.14 |
| | 8000 Hz | 74.00 | 0.00 | | 87.45 | 777.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -787.57 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 85.85 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.87 |
| | 63 Hz | 111.30 | 0.00 | | 85.85 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.78 |
| | 125 Hz | 107.40 | 0.00 | | 85.85 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.28 |
| | 250 Hz | 102.80 | 0.00 | | 85.85 | 5.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.19 |
| | 500 Hz | 99.70 | 0.00 | | 85.85 | 10.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.20 |
| | 1000 Hz | 96.60 | 0.00 | | 85.85 | 20.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.46 |
| | 2000 Hz | 91.70 | 0.00 | | 85.85 | 53.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.56 |
| | 4000 Hz | 85.00 | 0.00 | | 85.85 | 181.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.99 |
| | 8000 Hz | 87.30 | 0.00 | | 85.85 | 646.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -641.60 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.44 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.66 |
| | 125 Hz | 108.60 | 0.00 | | 87.44 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.44 |
| | 250 Hz | 103.40 | 0.00 | | 87.44 | 6.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.04 |
| | 500 Hz | 99.10 | 0.00 | | 87.44 | 12.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 |
| | 1000 Hz | 98.00 | 0.00 | | 87.44 | 24.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.71 |
| | 2000 Hz | 89.80 | 0.00 | | 87.44 | 64.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.77 |
| | 4000 Hz | 85.30 | 0.00 | | 87.44 | 217.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -216.62 |
| | 8000 Hz | 80.10 | 0.00 | | 87.44 | 775.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -780.01 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.26 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.13 |
| | 63 Hz | 112.30 | 0.00 | | 87.26 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.25 |
| | 125 Hz | 108.10 | 0.00 | | 87.26 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.17 |
| | 250 Hz | 103.50 | 0.00 | | 87.26 | 6.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.46 |
| | 500 Hz | 100.70 | 0.00 | | 87.26 | 12.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.91 |
| | 1000 Hz | 98.30 | 0.00 | | 87.26 | 23.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.73 |
| | 2000 Hz | 93.80 | 0.00 | | 87.26 | 62.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -53.28 |
| | 4000 Hz | 86.20 | 0.00 | | 87.26 | 213.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -211.09 |
| | 8000 Hz | 78.20 | 0.00 | | 87.26 | 759.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -765.86 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 86.97 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.43 |
| | 63 Hz | 111.70 | 0.00 | | 86.97 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.96 |
| | 125 Hz | 106.40 | 0.00 | | 86.97 | 2.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.84 |
| | 250 Hz | 102.10 | 0.00 | | 86.97 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.56 |
| | 500 Hz | 99.10 | 0.00 | | 86.97 | 12.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| | 1000 Hz | 96.90 | 0.00 | | 86.97 | 23.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.08 |
| | 2000 Hz | 90.50 | 0.00 | | 86.97 | 60.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.27 |
| | 4000 Hz | 81.00 | 0.00 | | 86.97 | 206.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -209.13 |
| | 8000 Hz | 76.50 | 0.00 | | 86.97 | 735.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -742.78 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.77 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.51 |
| | 63 Hz | 110.40 | 0.00 | | 87.77 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.79 |
| | 125 Hz | 107.20 | 0.00 | | 87.77 | 2.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.59 |
| | 250 Hz | 101.70 | 0.00 | | 87.77 | 7.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.73 |
| | 500 Hz | 98.20 | 0.00 | | 87.77 | 13.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| | 1000 Hz | 95.60 | 0.00 | | 87.77 | 25.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.40 |
| | 2000 Hz | 93.70 | 0.00 | | 87.77 | 66.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.74 |
| | 4000 Hz | 90.70 | 0.00 | | 87.77 | 226.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -220.16 |
| | 8000 Hz | 79.50 | 0.00 | | 87.77 | 806.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -811.63 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.87 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.80 |
| | 63 Hz | 111.60 | 0.00 | | 82.87 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.25 |
| | 125 Hz | 108.60 | 0.00 | | 82.87 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.12 |
| | 250 Hz | 106.50 | 0.00 | | 82.87 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.54 |
| | 500 Hz | 102.90 | 0.00 | | 82.87 | 7.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.47 |
| | 1000 Hz | 99.60 | 0.00 | | 82.87 | 14.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.38 |
| | 2000 Hz | 95.90 | 0.00 | | 82.87 | 37.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.88 |
| | 4000 Hz | 90.10 | 0.00 | | 82.87 | 128.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.32 |
| | 8000 Hz | 76.30 | 0.00 | | 82.87 | 458.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -462.07 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.85 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.83 |
| | 63 Hz | 111.60 | 0.00 | | 82.85 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.28 |
| | 125 Hz | 108.60 | 0.00 | | 82.85 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.14 |
| | 250 Hz | 106.50 | 0.00 | | 82.85 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.57 |
| | 500 Hz | 102.90 | 0.00 | | 82.85 | 7.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.51 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 99.60 | 0.00 | | 82.85 | 14.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.44 |
| | 2000 Hz | 95.90 | 0.00 | | 82.85 | 37.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.76 |
| | 4000 Hz | 90.10 | 0.00 | | 82.85 | 128.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.98 |
| | 8000 Hz | 76.30 | 0.00 | | 82.85 | 457.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.89 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.68 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.01 |
| | 63 Hz | 111.60 | 0.00 | | 81.68 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.50 |
| | 125 Hz | 108.60 | 0.00 | | 81.68 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.51 |
| | 250 Hz | 106.50 | 0.00 | | 81.68 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.25 |
| | 500 Hz | 102.90 | 0.00 | | 81.68 | 6.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.63 |
| | 1000 Hz | 99.60 | 0.00 | | 81.68 | 12.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.41 |
| | 2000 Hz | 95.90 | 0.00 | | 81.68 | 33.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.83 |
| | 4000 Hz | 90.10 | 0.00 | | 81.68 | 112.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.67 |
| | 8000 Hz | 76.30 | 0.00 | | 81.68 | 399.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.17 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.14 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.56 |
| | 63 Hz | 111.60 | 0.00 | | 81.14 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.07 |
| | 125 Hz | 108.60 | 0.00 | | 81.14 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.14 |
| | 250 Hz | 106.50 | 0.00 | | 81.14 | 3.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |
| | 500 Hz | 102.90 | 0.00 | | 81.14 | 6.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.57 |
| | 1000 Hz | 99.60 | 0.00 | | 81.14 | 11.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.71 |
| | 2000 Hz | 95.90 | 0.00 | | 81.14 | 31.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.29 |
| | 4000 Hz | 90.10 | 0.00 | | 81.14 | 105.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.34 |
| | 8000 Hz | 76.30 | 0.00 | | 81.14 | 375.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -377.42 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.07 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.63 |
| | 63 Hz | 111.60 | 0.00 | | 81.07 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.15 |
| | 125 Hz | 108.60 | 0.00 | | 81.07 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.22 |
| | 250 Hz | 106.50 | 0.00 | | 81.07 | 3.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.11 |
| | 500 Hz | 102.90 | 0.00 | | 81.07 | 6.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.69 |
| | 1000 Hz | 99.60 | 0.00 | | 81.07 | 11.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.88 |
| | 2000 Hz | 95.90 | 0.00 | | 81.07 | 30.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.97 |
| | 4000 Hz | 90.10 | 0.00 | | 81.07 | 104.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.42 |
| | 8000 Hz | 76.30 | 0.00 | | 81.07 | 372.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -374.32 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.89 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.82 |
| | 63 Hz | 111.60 | 0.00 | | 79.89 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.37 |
| | 125 Hz | 108.60 | 0.00 | | 79.89 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.57 |
| | 250 Hz | 106.50 | 0.00 | | 79.89 | 2.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.71 |
| | 500 Hz | 102.90 | 0.00 | | 79.89 | 5.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.65 |
| | 1000 Hz | 99.60 | 0.00 | | 79.89 | 10.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.54 |
| | 2000 Hz | 95.90 | 0.00 | | 79.89 | 26.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.88 |
| | 4000 Hz | 90.10 | 0.00 | | 79.89 | 91.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.98 |
| | 8000 Hz | 76.30 | 0.00 | | 79.89 | 325.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -325.83 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.06 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.66 |
| | 63 Hz | 111.60 | 0.00 | | 79.06 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.24 |
| | 125 Hz | 108.60 | 0.00 | | 79.06 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.50 |
| | 250 Hz | 106.50 | 0.00 | | 79.06 | 2.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.81 |
| | 500 Hz | 102.90 | 0.00 | | 79.06 | 4.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.97 |
| | 1000 Hz | 99.60 | 0.00 | | 79.06 | 9.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.30 |
| | 2000 Hz | 95.90 | 0.00 | | 79.06 | 24.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.59 |
| | 4000 Hz | 90.10 | 0.00 | | 79.06 | 82.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.83 |
| | 8000 Hz | 76.30 | 0.00 | | 79.06 | 295.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -295.32 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.60 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.11 |
| | 63 Hz | 111.60 | 0.00 | | 79.60 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.67 |
| | 125 Hz | 108.60 | 0.00 | | 79.60 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.89 |
| | 250 Hz | 106.50 | 0.00 | | 79.60 | 2.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.09 |
| | 500 Hz | 102.90 | 0.00 | | 79.60 | 5.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.11 |
| | 1000 Hz | 99.60 | 0.00 | | 79.60 | 9.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.15 |
| | 2000 Hz | 95.90 | 0.00 | | 79.60 | 26.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.72 |
| | 4000 Hz | 90.10 | 0.00 | | 79.60 | 88.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.72 |
| | 8000 Hz | 76.30 | 0.00 | | 79.60 | 314.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -314.96 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 83.42 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.03 |
| | 125 Hz | 5.20 | 0.00 | | 83.42 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.94 |
| | 250 Hz | 1.90 | 0.00 | | 83.42 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.88 |
| | 500 Hz | -1.30 | 0.00 | | 83.42 | 8.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.78 |
| | 1000 Hz | -5.00 | 0.00 | | 83.42 | 15.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.71 |
| | 2000 Hz | -8.20 | 0.00 | | 83.42 | 40.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -129.02 |
| | 4000 Hz | -12.00 | 0.00 | | 83.42 | 136.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.40 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 76.60 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.37 |
| | 125 Hz | 106.50 | 0.00 | | 76.60 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.11 |
| | 250 Hz | 103.20 | 0.00 | | 76.60 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.61 |
| | 500 Hz | 100.00 | 0.00 | | 76.60 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.72 |
| | 1000 Hz | 96.30 | 0.00 | | 76.60 | 6.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.73 |
| | 2000 Hz | 93.10 | 0.00 | | 76.60 | 18.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.08 |
| | 4000 Hz | 89.30 | 0.00 | | 76.60 | 62.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.77 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.59 | 0.12 | -3.00 | 0.00 | 0.00 | 4.04 | 0.00 | | 31.05 |
| | 63 Hz | 110.90 | 0.00 | | 82.59 | 0.46 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 27.69 |
| | 125 Hz | 108.00 | 0.00 | | 82.59 | 1.56 | -3.00 | 0.00 | 0.00 | 0.63 | 0.00 | | 26.22 |
| | 250 Hz | 103.80 | 0.00 | | 82.59 | 3.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.25 |
| | 500 Hz | 101.90 | 0.00 | | 82.59 | 7.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.99 |
| | 1000 Hz | 98.90 | 0.00 | | 82.59 | 13.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.42 |
| | 2000 Hz | 94.60 | 0.00 | | 82.59 | 36.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.70 |
| | 4000 Hz | 88.20 | 0.00 | | 82.59 | 124.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.87 |
| | 8000 Hz | 78.80 | 0.00 | | 82.59 | 443.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -444.77 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.37 | 0.11 | -3.00 | 0.00 | 0.00 | 3.60 | 0.00 | | 32.72 |
| | 63 Hz | 110.90 | 0.00 | | 81.37 | 0.40 | -3.00 | 0.00 | 0.00 | 2.00 | 0.00 | | 30.13 |
| | 125 Hz | 108.00 | 0.00 | | 81.37 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.27 |
| | 250 Hz | 103.80 | 0.00 | | 81.37 | 3.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.99 |
| | 500 Hz | 101.90 | 0.00 | | 81.37 | 6.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.17 |
| | 1000 Hz | 98.90 | 0.00 | | 81.37 | 12.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.46 |
| | 2000 Hz | 94.60 | 0.00 | | 81.37 | 31.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.67 |
| | 4000 Hz | 88.20 | 0.00 | | 81.37 | 108.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.34 |
| | 8000 Hz | 78.80 | 0.00 | | 81.37 | 385.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -385.36 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.91 | 0.11 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | | 31.75 |
| | 63 Hz | 110.90 | 0.00 | | 81.91 | 0.43 | -3.00 | 0.00 | 0.00 | 3.13 | 0.00 | | 28.44 |
| | 125 Hz | 108.00 | 0.00 | | 81.91 | 1.44 | -3.00 | 0.00 | 0.00 | 0.52 | 0.00 | | 27.13 |
| | 250 Hz | 103.80 | 0.00 | | 81.91 | 3.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.23 |
| | 500 Hz | 101.90 | 0.00 | | 81.91 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.23 |
| | 1000 Hz | 98.90 | 0.00 | | 81.91 | 12.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.16 |
| | 2000 Hz | 94.60 | 0.00 | | 81.91 | 33.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.23 |
| | 4000 Hz | 88.20 | 0.00 | | 81.91 | 115.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.75 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.80 | 0.00 | | 81.91 | 410.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -410.42 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.36 | 0.09 | -3.00 | 0.00 | 0.00 | 0.66 | 0.00 | | 36.68 |
| | 63 Hz | 110.90 | 0.00 | | 80.36 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.18 |
| | 125 Hz | 108.00 | 0.00 | | 80.36 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.43 |
| | 250 Hz | 103.80 | 0.00 | | 80.36 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.37 |
| | 500 Hz | 101.90 | 0.00 | | 80.36 | 5.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.87 |
| | 1000 Hz | 98.90 | 0.00 | | 80.36 | 10.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.79 |
| | 2000 Hz | 94.60 | 0.00 | | 80.36 | 28.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.17 |
| | 4000 Hz | 88.20 | 0.00 | | 80.36 | 96.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.49 |
| | 8000 Hz | 78.80 | 0.00 | | 80.36 | 343.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -342.13 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 76.23 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.91 |
| | 63 Hz | 122.10 | 0.00 | | 76.23 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.64 |
| | 125 Hz | 115.00 | 0.00 | | 76.23 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.02 |
| | 250 Hz | 108.00 | 0.00 | | 76.23 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.86 |
| | 500 Hz | 103.90 | 0.00 | | 76.23 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.14 |
| | 1000 Hz | 101.60 | 0.00 | | 76.23 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.68 |
| | 2000 Hz | 96.70 | 0.00 | | 76.23 | 17.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.81 |
| | 4000 Hz | 88.60 | 0.00 | | 76.23 | 59.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.51 |
| | 8000 Hz | 80.90 | 0.00 | | 76.23 | 213.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.89 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 77.53 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.71 |
| | 125 Hz | 109.80 | 0.00 | | 77.53 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.39 |
| | 250 Hz | 107.40 | 0.00 | | 77.53 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.65 |
| | 500 Hz | 101.60 | 0.00 | | 77.53 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.97 |
| | 1000 Hz | 94.50 | 0.00 | | 77.53 | 7.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.20 |
| | 2000 Hz | 88.00 | 0.00 | | 77.53 | 20.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.04 |
| | 4000 Hz | 85.30 | 0.00 | | 77.53 | 69.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.79 |
| | 8000 Hz | 79.90 | 0.00 | | 77.53 | 248.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.70 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.78 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.56 |
| | 125 Hz | 110.80 | 0.00 | | 77.78 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.13 |
| | 250 Hz | 105.10 | 0.00 | | 77.78 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.05 |
| | 500 Hz | 102.60 | 0.00 | | 77.78 | 4.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.62 |
| | 1000 Hz | 99.60 | 0.00 | | 77.78 | 7.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.84 |
| | 2000 Hz | 93.10 | 0.00 | | 77.78 | 21.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.77 |
| | 4000 Hz | 80.70 | 0.00 | | 77.78 | 71.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.59 |
| | 8000 Hz | 77.00 | 0.00 | | 77.78 | 255.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -252.85 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.12 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.20 |
| | 125 Hz | 110.80 | 0.00 | | 78.12 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.75 |
| | 250 Hz | 105.10 | 0.00 | | 78.12 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.61 |
| | 500 Hz | 102.60 | 0.00 | | 78.12 | 4.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.10 |
| | 1000 Hz | 99.60 | 0.00 | | 78.12 | 8.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.18 |
| | 2000 Hz | 93.10 | 0.00 | | 78.12 | 21.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.96 |
| | 4000 Hz | 80.70 | 0.00 | | 78.12 | 74.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.83 |
| | 8000 Hz | 77.00 | 0.00 | | 78.12 | 265.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -263.50 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.40 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.91 |
| | 125 Hz | 110.80 | 0.00 | | 78.40 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.43 |
| | 250 Hz | 105.10 | 0.00 | | 78.40 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.25 |
| | 500 Hz | 102.60 | 0.00 | | 78.40 | 4.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.68 |
| | 1000 Hz | 99.60 | 0.00 | | 78.40 | 8.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.62 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 93.10 | 0.00 | | 78.40 | 22.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.97 |
| | 4000 Hz | 80.70 | 0.00 | | 78.40 | 76.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.56 |
| | 8000 Hz | 77.00 | 0.00 | | 78.40 | 274.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -272.52 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 77.15 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.01 |
| | 125 Hz | 104.80 | 0.00 | | 77.15 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.82 |
| | 250 Hz | 99.40 | 0.00 | | 77.15 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.14 |
| | 500 Hz | 95.00 | 0.00 | | 77.15 | 3.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.94 |
| | 1000 Hz | 93.20 | 0.00 | | 77.15 | 7.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.63 |
| | 2000 Hz | 89.10 | 0.00 | | 77.15 | 19.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.66 |
| | 4000 Hz | 83.90 | 0.00 | | 77.15 | 66.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.75 |
| | 8000 Hz | 82.20 | 0.00 | | 77.15 | 237.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.14 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.27 | 1.00 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 24.48 |
| | 125 Hz | 111.00 | 0.00 | | 89.27 | 3.37 | -3.00 | 0.00 | 0.00 | 1.90 | 0.00 | | 19.46 |
| | 250 Hz | 106.60 | 0.00 | | 89.27 | 8.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.79 |
| | 500 Hz | 103.70 | 0.00 | | 89.27 | 15.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.64 |
| | 1000 Hz | 99.80 | 0.00 | | 89.27 | 29.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.43 |
| | 2000 Hz | 95.60 | 0.00 | | 89.27 | 79.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.84 |
| | 4000 Hz | 86.90 | 0.00 | | 89.27 | 268.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -267.86 |
| | 8000 Hz | 65.40 | 0.00 | | 89.27 | 957.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -978.50 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.73 | 0.94 | -3.00 | 0.00 | 0.00 | 3.46 | 0.00 | | 25.17 |
| | 125 Hz | 111.00 | 0.00 | | 88.73 | 3.16 | -3.00 | 0.00 | 0.00 | 1.61 | 0.00 | | 20.50 |
| | 250 Hz | 106.60 | 0.00 | | 88.73 | 8.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.84 |
| | 500 Hz | 103.70 | 0.00 | | 88.73 | 14.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.13 |
| | 1000 Hz | 99.80 | 0.00 | | 88.73 | 28.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.09 |
| | 2000 Hz | 95.60 | 0.00 | | 88.73 | 74.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.55 |
| | 4000 Hz | 86.90 | 0.00 | | 88.73 | 252.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -251.19 |
| | 8000 Hz | 65.40 | 0.00 | | 88.73 | 900.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -920.41 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.66 | 0.83 | -3.00 | 0.00 | 0.00 | 3.34 | 0.00 | | 26.47 |
| | 125 Hz | 111.00 | 0.00 | | 87.66 | 2.80 | -3.00 | 0.00 | 0.00 | 1.25 | 0.00 | | 22.29 |
| | 250 Hz | 106.60 | 0.00 | | 87.66 | 7.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.84 |
| | 500 Hz | 103.70 | 0.00 | | 87.66 | 13.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.92 |
| | 1000 Hz | 99.80 | 0.00 | | 87.66 | 24.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.76 |
| | 2000 Hz | 95.60 | 0.00 | | 87.66 | 65.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.85 |
| | 4000 Hz | 86.90 | 0.00 | | 87.66 | 223.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.87 |
| | 8000 Hz | 65.40 | 0.00 | | 87.66 | 795.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -815.00 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.56 | 0.82 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 26.18 |
| | 125 Hz | 110.20 | 0.00 | | 87.56 | 2.76 | -3.00 | 0.00 | 0.00 | 1.26 | 0.00 | | 21.62 |
| | 250 Hz | 105.30 | 0.00 | | 87.56 | 7.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.72 |
| | 500 Hz | 102.70 | 0.00 | | 87.56 | 12.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.17 |
| | 1000 Hz | 99.80 | 0.00 | | 87.56 | 24.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.36 |
| | 2000 Hz | 95.50 | 0.00 | | 87.56 | 65.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.08 |
| | 4000 Hz | 84.90 | 0.00 | | 87.56 | 220.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.16 |
| | 8000 Hz | 61.80 | 0.00 | | 87.56 | 786.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -809.23 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.57 | 0.82 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | | 26.16 |
| | 125 Hz | 110.20 | 0.00 | | 87.57 | 2.77 | -3.00 | 0.00 | 0.00 | 1.28 | 0.00 | | 21.58 |
| | 250 Hz | 105.30 | 0.00 | | 87.57 | 7.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.70 |
| | 500 Hz | 102.70 | 0.00 | | 87.57 | 12.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.15 |
| | 1000 Hz | 99.80 | 0.00 | | 87.57 | 24.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.41 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 95.50 | 0.00 | | 87.57 | 65.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.17 |
| | 4000 Hz | 84.90 | 0.00 | | 87.57 | 220.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -220.44 |
| | 8000 Hz | 61.80 | 0.00 | | 87.57 | 787.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -810.20 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.79 | 0.75 | -3.00 | 0.00 | 0.00 | 3.31 | 0.00 | | 27.45 |
| | 125 Hz | 111.00 | 0.00 | | 86.79 | 2.53 | -3.00 | 0.00 | 0.00 | 1.15 | 0.00 | | 23.53 |
| | 250 Hz | 106.60 | 0.00 | | 86.79 | 6.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.39 |
| | 500 Hz | 103.70 | 0.00 | | 86.79 | 11.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.04 |
| | 1000 Hz | 99.80 | 0.00 | | 86.79 | 22.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.51 |
| | 2000 Hz | 95.60 | 0.00 | | 86.79 | 59.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.71 |
| | 4000 Hz | 86.90 | 0.00 | | 86.79 | 201.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.72 |
| | 8000 Hz | 65.40 | 0.00 | | 86.79 | 719.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -738.25 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.79 | 0.75 | -3.00 | 0.00 | 0.00 | 3.32 | 0.00 | | 27.43 |
| | 125 Hz | 111.00 | 0.00 | | 86.79 | 2.53 | -3.00 | 0.00 | 0.00 | 1.18 | 0.00 | | 23.50 |
| | 250 Hz | 106.60 | 0.00 | | 86.79 | 6.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.38 |
| | 500 Hz | 103.70 | 0.00 | | 86.79 | 11.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.03 |
| | 1000 Hz | 99.80 | 0.00 | | 86.79 | 22.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.53 |
| | 2000 Hz | 95.60 | 0.00 | | 86.79 | 59.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.75 |
| | 4000 Hz | 86.90 | 0.00 | | 86.79 | 201.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -198.87 |
| | 8000 Hz | 65.40 | 0.00 | | 86.79 | 720.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -738.76 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 75.20 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.40 |
| | 125 Hz | 104.80 | 0.00 | | 75.20 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.93 |
| | 250 Hz | 101.20 | 0.00 | | 75.20 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.31 |
| | 500 Hz | 96.80 | 0.00 | | 75.20 | 3.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.47 |
| | 1000 Hz | 92.70 | 0.00 | | 75.20 | 5.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.57 |
| | 2000 Hz | 90.50 | 0.00 | | 75.20 | 15.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.62 |
| | 4000 Hz | 84.90 | 0.00 | | 75.20 | 53.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.47 |
| | 8000 Hz | 70.70 | 0.00 | | 75.20 | 189.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -191.12 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 74.42 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.60 |
| | 125 Hz | 106.90 | 0.00 | | 74.42 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.87 |
| | 250 Hz | 104.10 | 0.00 | | 74.42 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.13 |
| | 500 Hz | 100.40 | 0.00 | | 74.42 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.12 |
| | 1000 Hz | 96.10 | 0.00 | | 74.42 | 5.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.26 |
| | 2000 Hz | 90.70 | 0.00 | | 74.42 | 14.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.95 |
| | 4000 Hz | 83.90 | 0.00 | | 74.42 | 48.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.11 |
| | 8000 Hz | 75.80 | 0.00 | | 74.42 | 173.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -168.92 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 73.63 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.41 |
| | 125 Hz | 108.80 | 0.00 | | 73.63 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.62 |
| | 250 Hz | 106.10 | 0.00 | | 73.63 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.06 |
| | 500 Hz | 102.40 | 0.00 | | 73.63 | 2.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.17 |
| | 1000 Hz | 98.10 | 0.00 | | 73.63 | 4.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.52 |
| | 2000 Hz | 92.80 | 0.00 | | 73.63 | 13.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.10 |
| | 4000 Hz | 85.90 | 0.00 | | 73.63 | 44.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.07 |
| | 8000 Hz | 77.90 | 0.00 | | 73.63 | 158.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.90 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 69.39 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.71 |
| | 125 Hz | 106.90 | 0.00 | | 69.39 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.17 |
| | 250 Hz | 104.10 | 0.00 | | 69.39 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.85 |
| | 500 Hz | 100.40 | 0.00 | | 69.39 | 1.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.41 |
| | 1000 Hz | 96.10 | 0.00 | | 69.39 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.67 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 90.70 | 0.00 | | 69.39 | 8.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.29 |
| | 4000 Hz | 83.90 | 0.00 | | 69.39 | 27.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.71 |
| | 8000 Hz | 75.80 | 0.00 | | 69.39 | 97.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.68 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 71.76 | 0.13 | -3.00 | 0.00 | 0.00 | 0.12 | 0.00 | | 42.19 |
| | 125 Hz | 108.80 | 0.00 | | 71.76 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.59 |
| | 250 Hz | 106.10 | 0.00 | | 71.76 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.20 |
| | 500 Hz | 102.40 | 0.00 | | 71.76 | 2.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.53 |
| | 1000 Hz | 98.10 | 0.00 | | 71.76 | 3.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.35 |
| | 2000 Hz | 92.80 | 0.00 | | 71.76 | 10.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.49 |
| | 4000 Hz | 85.90 | 0.00 | | 71.76 | 35.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.64 |
| | 8000 Hz | 77.90 | 0.00 | | 71.76 | 127.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -118.48 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 74.86 | 0.19 | -3.00 | 0.00 | 0.00 | 1.31 | 0.00 | | 39.74 |
| | 125 Hz | 110.70 | 0.00 | | 74.86 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.20 |
| | 250 Hz | 108.00 | 0.00 | | 74.86 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.51 |
| | 500 Hz | 104.50 | 0.00 | | 74.86 | 3.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.63 |
| | 1000 Hz | 100.10 | 0.00 | | 74.86 | 5.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.53 |
| | 2000 Hz | 94.80 | 0.00 | | 74.86 | 15.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.86 |
| | 4000 Hz | 87.90 | 0.00 | | 74.86 | 51.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.09 |
| | 8000 Hz | 79.90 | 0.00 | | 74.86 | 182.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -174.31 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 76.64 | 0.23 | -3.00 | 0.00 | 0.00 | 1.97 | 0.00 | | 37.45 |
| | 125 Hz | 110.90 | 0.00 | | 76.64 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.47 |
| | 250 Hz | 108.10 | 0.00 | | 76.64 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.46 |
| | 500 Hz | 104.40 | 0.00 | | 76.64 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.07 |
| | 1000 Hz | 100.10 | 0.00 | | 76.64 | 7.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.46 |
| | 2000 Hz | 94.80 | 0.00 | | 76.64 | 18.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.66 |
| | 4000 Hz | 88.00 | 0.00 | | 76.64 | 62.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.39 |
| | 8000 Hz | 80.00 | 0.00 | | 76.64 | 223.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -217.43 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 77.44 | 0.26 | -3.00 | 0.00 | 0.00 | 2.31 | 0.00 | | 36.10 |
| | 125 Hz | 110.70 | 0.00 | | 77.44 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.40 |
| | 250 Hz | 108.00 | 0.00 | | 77.44 | 2.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.37 |
| | 500 Hz | 104.50 | 0.00 | | 77.44 | 4.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.01 |
| | 1000 Hz | 100.10 | 0.00 | | 77.44 | 7.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.98 |
| | 2000 Hz | 94.80 | 0.00 | | 77.44 | 20.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.07 |
| | 4000 Hz | 87.90 | 0.00 | | 77.44 | 68.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.35 |
| | 8000 Hz | 79.90 | 0.00 | | 77.44 | 245.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -239.96 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 78.24 | 0.28 | -3.00 | 0.00 | 0.00 | 2.36 | 0.00 | | 35.42 |
| | 125 Hz | 110.90 | 0.00 | | 78.24 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.71 |
| | 250 Hz | 108.10 | 0.00 | | 78.24 | 2.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.46 |
| | 500 Hz | 104.40 | 0.00 | | 78.24 | 4.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.72 |
| | 1000 Hz | 100.10 | 0.00 | | 78.24 | 8.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.44 |
| | 2000 Hz | 94.80 | 0.00 | | 78.24 | 22.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.68 |
| | 4000 Hz | 88.00 | 0.00 | | 78.24 | 75.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.67 |
| | 8000 Hz | 80.00 | 0.00 | | 78.24 | 269.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -264.28 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.74 | 0.33 | -3.00 | 0.00 | 0.00 | 2.62 | 0.00 | | 33.40 |
| | 125 Hz | 110.70 | 0.00 | | 79.74 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.83 |
| | 250 Hz | 108.00 | 0.00 | | 79.74 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.40 |
| | 500 Hz | 104.50 | 0.00 | | 79.74 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.48 |
| | 1000 Hz | 100.10 | 0.00 | | 79.74 | 10.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.34 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 2000 Hz | 94.80 | 0.00 | | 79.74 | 26.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -8.40 |
| | 4000 Hz | 87.90 | 0.00 | | 79.74 | 89.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -78.55 |
| | 8000 Hz | 79.90 | 0.00 | | 79.74 | 319.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -316.80 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt028 | IP Z | 381343.80 | 5776118.01 | 74.455 | 41.42 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 86.63 | 11.63 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | -3.01 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 69.46 | 1.61 | 4.59 | 0.00 | 0.00 | 0.00 | 0.00 | 22.36 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 77.15 | 3.91 | 4.70 | 0.00 | 0.00 | 0.07 | 0.00 | 12.18 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 71.27 | 1.99 | 4.63 | 0.00 | 0.00 | 0.00 | 0.00 | -73.88 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 80.84 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.98 |
| | 125 Hz | 102.50 | 0.00 | | 80.84 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.39 |
| | 250 Hz | 99.20 | 0.00 | | 80.84 | 3.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.12 |
| | 500 Hz | 96.00 | 0.00 | | 80.84 | 5.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.18 |
| | 1000 Hz | 92.30 | 0.00 | | 80.84 | 11.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 |
| | 2000 Hz | 89.10 | 0.00 | | 80.84 | 30.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.74 |
| | 4000 Hz | 85.30 | 0.00 | | 80.84 | 101.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -94.28 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.27 | 0.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 23.77 |
| | 125 Hz | 105.50 | 0.00 | | 81.27 | 1.34 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 21.12 |
| | 250 Hz | 102.20 | 0.00 | | 81.27 | 3.40 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 15.76 |
| | 500 Hz | 99.00 | 0.00 | | 81.27 | 6.29 | -3.00 | 0.00 | 0.00 | 4.77 | 0.00 | 9.68 |
| | 1000 Hz | 95.30 | 0.00 | | 81.27 | 11.93 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 0.35 |
| | 2000 Hz | 92.10 | 0.00 | | 81.27 | 31.52 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | -22.43 |
| | 4000 Hz | 88.30 | 0.00 | | 81.27 | 106.87 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | -101.57 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.93 | 0.13 | -3.00 | 0.00 | 0.00 | 4.76 | 0.00 | 35.58 |
| | 63 Hz | 116.40 | 0.00 | | 82.93 | 0.48 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | 31.24 |
| | 125 Hz | 110.70 | 0.00 | | 82.93 | 1.62 | -3.00 | 0.00 | 0.00 | 4.73 | 0.00 | 24.42 |
| | 250 Hz | 104.40 | 0.00 | | 82.93 | 4.12 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | 15.66 |
| | 500 Hz | 101.20 | 0.00 | | 82.93 | 7.61 | -3.00 | 0.00 | 0.00 | 4.60 | 0.00 | 9.06 |
| | 1000 Hz | 99.40 | 0.00 | | 82.93 | 14.45 | -3.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.61 |
| | 2000 Hz | 93.80 | 0.00 | | 82.93 | 38.17 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | -28.33 |
| | 4000 Hz | 86.70 | 0.00 | | 82.93 | 129.45 | -3.00 | 0.00 | 0.00 | 3.13 | 0.00 | -125.81 |
| | 8000 Hz | 78.40 | 0.00 | | 82.93 | 461.70 | -3.00 | 0.00 | 0.00 | 0.45 | 0.00 | -463.68 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 76.35 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.99 |
| | 63 Hz | 116.40 | 0.00 | | 76.35 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.82 |
| | 125 Hz | 110.70 | 0.00 | | 76.35 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.59 |
| | 250 Hz | 104.40 | 0.00 | | 76.35 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.12 |
| | 500 Hz | 101.20 | 0.00 | | 76.35 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.28 |
| | 1000 Hz | 99.40 | 0.00 | | 76.35 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.28 |
| | 2000 Hz | 93.80 | 0.00 | | 76.35 | 17.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 |
| | 4000 Hz | 86.70 | 0.00 | | 76.35 | 60.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -47.34 |
| | 8000 Hz | 78.40 | 0.00 | | 76.35 | 216.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -211.40 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.00 | 0.11 | -3.00 | 0.00 | 0.00 | 4.05 | 0.00 | | 37.23 |
| | 63 Hz | 116.40 | 0.00 | | 82.00 | 0.43 | -3.00 | 0.00 | 0.00 | 3.19 | 0.00 | | 33.78 |
| | 125 Hz | 110.70 | 0.00 | | 82.00 | 1.46 | -3.00 | 0.00 | 0.00 | 0.73 | 0.00 | | 29.51 |
| | 250 Hz | 104.40 | 0.00 | | 82.00 | 3.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.69 |
| | 500 Hz | 101.20 | 0.00 | | 82.00 | 6.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.35 |
| | 1000 Hz | 99.40 | 0.00 | | 82.00 | 12.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.41 |
| | 2000 Hz | 93.80 | 0.00 | | 82.00 | 34.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.51 |
| | 4000 Hz | 86.70 | 0.00 | | 82.00 | 116.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -108.65 |
| | 8000 Hz | 78.40 | 0.00 | | 82.00 | 414.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -415.58 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.64 | 0.12 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | | 39.09 |
| | 63 Hz | 116.40 | 0.00 | | 82.64 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.29 |
| | 125 Hz | 110.70 | 0.00 | | 82.64 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.49 |
| | 250 Hz | 104.40 | 0.00 | | 82.64 | 3.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.77 |
| | 500 Hz | 101.20 | 0.00 | | 82.64 | 7.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.19 |
| | 1000 Hz | 99.40 | 0.00 | | 82.64 | 13.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.78 |
| | 2000 Hz | 93.80 | 0.00 | | 82.64 | 36.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.77 |
| | 4000 Hz | 86.70 | 0.00 | | 82.64 | 125.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -118.16 |
| | 8000 Hz | 78.40 | 0.00 | | 82.64 | 446.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -447.87 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.28 | 0.09 | -3.00 | 0.00 | 0.00 | 0.64 | 0.00 | | 42.38 |
| | 63 Hz | 116.40 | 0.00 | | 80.28 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.76 |
| | 125 Hz | 110.70 | 0.00 | | 80.28 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.22 |
| | 250 Hz | 104.40 | 0.00 | | 80.28 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.08 |
| | 500 Hz | 101.20 | 0.00 | | 80.28 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.30 |
| | 1000 Hz | 99.40 | 0.00 | | 80.28 | 10.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.47 |
| | 2000 Hz | 93.80 | 0.00 | | 80.28 | 28.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.63 |
| | 4000 Hz | 86.70 | 0.00 | | 80.28 | 95.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.03 |
| | 8000 Hz | 78.40 | 0.00 | | 80.28 | 340.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -339.29 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.77 | 0.10 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | | 39.19 |
| | 63 Hz | 116.40 | 0.00 | | 80.77 | 0.37 | -3.00 | 0.00 | 0.00 | 1.17 | 0.00 | | 37.08 |
| | 125 Hz | 110.70 | 0.00 | | 80.77 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.66 |
| | 250 Hz | 104.40 | 0.00 | | 80.77 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.41 |
| | 500 Hz | 101.20 | 0.00 | | 80.77 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.49 |
| | 1000 Hz | 99.40 | 0.00 | | 80.77 | 11.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.36 |
| | 2000 Hz | 93.80 | 0.00 | | 80.77 | 29.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.75 |
| | 4000 Hz | 86.70 | 0.00 | | 80.77 | 100.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.06 |
| | 8000 Hz | 78.40 | 0.00 | | 80.77 | 360.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -359.55 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.16 | 0.12 | -3.00 | 0.00 | 0.00 | 1.47 | 0.00 | | 39.66 |
| | 63 Hz | 116.40 | 0.00 | | 82.16 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.80 |
| | 125 Hz | 110.70 | 0.00 | | 82.16 | 1.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.06 |
| | 250 Hz | 104.40 | 0.00 | | 82.16 | 3.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.47 |
| | 500 Hz | 101.20 | 0.00 | | 82.16 | 6.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.07 |
| | 1000 Hz | 99.40 | 0.00 | | 82.16 | 13.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.02 |
| | 2000 Hz | 93.80 | 0.00 | | 82.16 | 34.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.29 |
| | 4000 Hz | 86.70 | 0.00 | | 82.16 | 118.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.91 |
| | 8000 Hz | 78.40 | 0.00 | | 82.16 | 422.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -423.22 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.08 | 0.10 | -3.00 | 0.00 | 0.00 | 1.37 | 0.00 | | 40.85 |
| | 63 Hz | 116.40 | 0.00 | | 81.08 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.94 |
| | 125 Hz | 110.70 | 0.00 | | 81.08 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.31 |
| | 250 Hz | 104.40 | 0.00 | | 81.08 | 3.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.00 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | Lft |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.20 | 0.00 | | 81.08 | 6.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.97 |
| | 1000 Hz | 99.40 | 0.00 | | 81.08 | 11.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.66 |
| | 2000 Hz | 93.80 | 0.00 | | 81.08 | 30.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.11 |
| | 4000 Hz | 86.70 | 0.00 | | 81.08 | 104.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.93 |
| | 8000 Hz | 78.40 | 0.00 | | 81.08 | 372.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -372.60 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 80.47 | 0.10 | -3.00 | 0.00 | 0.00 | 2.51 | 0.00 | | 37.03 |
| | 63 Hz | 113.10 | 0.00 | | 80.47 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.26 |
| | 125 Hz | 107.40 | 0.00 | | 80.47 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.70 |
| | 250 Hz | 101.10 | 0.00 | | 80.47 | 3.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.52 |
| | 500 Hz | 97.90 | 0.00 | | 80.47 | 5.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.69 |
| | 1000 Hz | 96.10 | 0.00 | | 80.47 | 10.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.74 |
| | 2000 Hz | 90.50 | 0.00 | | 80.47 | 28.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.74 |
| | 4000 Hz | 83.40 | 0.00 | | 80.47 | 97.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.63 |
| | 8000 Hz | 75.10 | 0.00 | | 80.47 | 347.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -350.33 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.72 | 0.11 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 40.14 |
| | 63 Hz | 116.40 | 0.00 | | 81.72 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.26 |
| | 125 Hz | 110.70 | 0.00 | | 81.72 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.57 |
| | 250 Hz | 104.40 | 0.00 | | 81.72 | 3.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.10 |
| | 500 Hz | 101.20 | 0.00 | | 81.72 | 6.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.86 |
| | 1000 Hz | 99.40 | 0.00 | | 81.72 | 12.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.11 |
| | 2000 Hz | 93.80 | 0.00 | | 81.72 | 33.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.13 |
| | 4000 Hz | 86.70 | 0.00 | | 81.72 | 112.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.63 |
| | 8000 Hz | 78.40 | 0.00 | | 81.72 | 401.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -401.95 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.75 | 0.12 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | | 38.98 |
| | 63 Hz | 116.40 | 0.00 | | 82.75 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.18 |
| | 125 Hz | 110.70 | 0.00 | | 82.75 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.36 |
| | 250 Hz | 104.40 | 0.00 | | 82.75 | 4.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.62 |
| | 500 Hz | 101.20 | 0.00 | | 82.75 | 7.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.00 |
| | 1000 Hz | 99.40 | 0.00 | | 82.75 | 14.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.51 |
| | 2000 Hz | 93.80 | 0.00 | | 82.75 | 37.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.32 |
| | 4000 Hz | 86.70 | 0.00 | | 82.75 | 126.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.80 |
| | 8000 Hz | 78.40 | 0.00 | | 82.75 | 452.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -453.42 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 87.27 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.64 |
| | 125 Hz | 104.80 | 0.00 | | 87.27 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.86 |
| | 250 Hz | 101.50 | 0.00 | | 87.27 | 6.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.44 |
| | 500 Hz | 97.10 | 0.00 | | 87.27 | 12.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.29 |
| | 1000 Hz | 91.00 | 0.00 | | 87.27 | 23.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.07 |
| | 2000 Hz | 86.30 | 0.00 | | 87.27 | 62.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.87 |
| | 4000 Hz | 80.30 | 0.00 | | 87.27 | 213.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -217.28 |
| | 8000 Hz | 74.00 | 0.00 | | 87.27 | 760.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -771.08 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.66 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.12 |
| | 63 Hz | 113.00 | 0.00 | | 87.66 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.51 |
| | 125 Hz | 108.60 | 0.00 | | 87.66 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.14 |
| | 250 Hz | 105.70 | 0.00 | | 87.66 | 7.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.93 |
| | 500 Hz | 101.70 | 0.00 | | 87.66 | 13.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.91 |
| | 1000 Hz | 95.50 | 0.00 | | 87.66 | 24.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.07 |
| | 2000 Hz | 89.70 | 0.00 | | 87.66 | 65.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.79 |
| | 4000 Hz | 82.20 | 0.00 | | 87.66 | 223.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -225.69 |
| | 8000 Hz | 74.00 | 0.00 | | 87.66 | 796.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -806.83 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.67 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.11 |
| | 63 Hz | 113.00 | 0.00 | | 87.67 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.50 |
| | 125 Hz | 108.60 | 0.00 | | 87.67 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.13 |
| | 250 Hz | 105.70 | 0.00 | | 87.67 | 7.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.92 |
| | 500 Hz | 101.70 | 0.00 | | 87.67 | 13.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.90 |
| | 1000 Hz | 95.50 | 0.00 | | 87.67 | 24.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.09 |
| | 2000 Hz | 89.70 | 0.00 | | 87.67 | 65.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.83 |
| | 4000 Hz | 82.20 | 0.00 | | 87.67 | 223.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -225.82 |
| | 8000 Hz | 74.00 | 0.00 | | 87.67 | 796.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -807.29 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 86.12 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.60 |
| | 63 Hz | 111.30 | 0.00 | | 86.12 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.49 |
| | 125 Hz | 107.40 | 0.00 | | 86.12 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.94 |
| | 250 Hz | 102.80 | 0.00 | | 86.12 | 5.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.73 |
| | 500 Hz | 99.70 | 0.00 | | 86.12 | 10.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.59 |
| | 1000 Hz | 96.60 | 0.00 | | 86.12 | 20.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.37 |
| | 2000 Hz | 91.70 | 0.00 | | 86.12 | 55.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.53 |
| | 4000 Hz | 85.00 | 0.00 | | 86.12 | 186.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -185.00 |
| | 8000 Hz | 87.30 | 0.00 | | 86.12 | 666.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -662.35 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.66 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.41 |
| | 125 Hz | 108.60 | 0.00 | | 87.66 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.14 |
| | 250 Hz | 103.40 | 0.00 | | 87.66 | 7.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.64 |
| | 500 Hz | 99.10 | 0.00 | | 87.66 | 13.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.32 |
| | 1000 Hz | 98.00 | 0.00 | | 87.66 | 24.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.56 |
| | 2000 Hz | 89.80 | 0.00 | | 87.66 | 65.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.66 |
| | 4000 Hz | 85.30 | 0.00 | | 87.66 | 223.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -222.51 |
| | 8000 Hz | 80.10 | 0.00 | | 87.66 | 795.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -800.45 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.48 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.90 |
| | 63 Hz | 112.30 | 0.00 | | 87.48 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.00 |
| | 125 Hz | 108.10 | 0.00 | | 87.48 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.87 |
| | 250 Hz | 103.50 | 0.00 | | 87.48 | 6.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.05 |
| | 500 Hz | 100.70 | 0.00 | | 87.48 | 12.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.35 |
| | 1000 Hz | 98.30 | 0.00 | | 87.48 | 24.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.59 |
| | 2000 Hz | 93.80 | 0.00 | | 87.48 | 64.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.17 |
| | 4000 Hz | 86.20 | 0.00 | | 87.48 | 218.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -216.97 |
| | 8000 Hz | 78.20 | 0.00 | | 87.48 | 779.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -786.26 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 87.21 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.18 |
| | 63 Hz | 111.70 | 0.00 | | 87.21 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.70 |
| | 125 Hz | 106.40 | 0.00 | | 87.21 | 2.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.53 |
| | 250 Hz | 102.10 | 0.00 | | 87.21 | 6.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.14 |
| | 500 Hz | 99.10 | 0.00 | | 87.21 | 12.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.43 |
| | 1000 Hz | 96.90 | 0.00 | | 87.21 | 23.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.96 |
| | 2000 Hz | 90.50 | 0.00 | | 87.21 | 62.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.19 |
| | 4000 Hz | 81.00 | 0.00 | | 87.21 | 211.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -215.09 |
| | 8000 Hz | 76.50 | 0.00 | | 87.21 | 755.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -763.43 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.98 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.29 |
| | 63 Hz | 110.40 | 0.00 | | 87.98 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.56 |
| | 125 Hz | 107.20 | 0.00 | | 87.98 | 2.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.32 |
| | 250 Hz | 101.70 | 0.00 | | 87.98 | 7.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.35 |
| | 500 Hz | 98.20 | 0.00 | | 87.98 | 13.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.40 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 95.60 | 0.00 | | 87.98 | 25.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.22 |
| | 2000 Hz | 93.70 | 0.00 | | 87.98 | 68.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.55 |
| | 4000 Hz | 90.70 | 0.00 | | 87.98 | 231.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -225.81 |
| | 8000 Hz | 79.50 | 0.00 | | 87.98 | 825.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -831.25 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.98 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.69 |
| | 63 Hz | 111.60 | 0.00 | | 82.98 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.13 |
| | 125 Hz | 108.60 | 0.00 | | 82.98 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.98 |
| | 250 Hz | 106.50 | 0.00 | | 82.98 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.37 |
| | 500 Hz | 102.90 | 0.00 | | 82.98 | 7.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.26 |
| | 1000 Hz | 99.60 | 0.00 | | 82.98 | 14.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.08 |
| | 2000 Hz | 95.90 | 0.00 | | 82.98 | 38.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.49 |
| | 4000 Hz | 90.10 | 0.00 | | 82.98 | 130.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.13 |
| | 8000 Hz | 76.30 | 0.00 | | 82.98 | 464.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -468.21 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.92 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.75 |
| | 63 Hz | 111.60 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.20 |
| | 125 Hz | 108.60 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.06 |
| | 250 Hz | 106.50 | 0.00 | | 82.92 | 4.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.46 |
| | 500 Hz | 102.90 | 0.00 | | 82.92 | 7.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.37 |
| | 1000 Hz | 99.60 | 0.00 | | 82.92 | 14.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.24 |
| | 2000 Hz | 95.90 | 0.00 | | 82.92 | 38.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.16 |
| | 4000 Hz | 90.10 | 0.00 | | 82.92 | 129.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -119.16 |
| | 8000 Hz | 76.30 | 0.00 | | 82.92 | 461.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -464.93 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.88 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.81 |
| | 63 Hz | 111.60 | 0.00 | | 81.88 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.30 |
| | 125 Hz | 108.60 | 0.00 | | 81.88 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.29 |
| | 250 Hz | 106.50 | 0.00 | | 81.88 | 3.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.97 |
| | 500 Hz | 102.90 | 0.00 | | 81.88 | 6.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.28 |
| | 1000 Hz | 99.60 | 0.00 | | 81.88 | 12.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.93 |
| | 2000 Hz | 95.90 | 0.00 | | 81.88 | 33.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.79 |
| | 4000 Hz | 90.10 | 0.00 | | 81.88 | 114.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -103.43 |
| | 8000 Hz | 76.30 | 0.00 | | 81.88 | 408.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -411.52 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.31 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.39 |
| | 63 Hz | 111.60 | 0.00 | | 81.31 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.89 |
| | 125 Hz | 108.60 | 0.00 | | 81.31 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.94 |
| | 250 Hz | 106.50 | 0.00 | | 81.31 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.77 |
| | 500 Hz | 102.90 | 0.00 | | 81.31 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.27 |
| | 1000 Hz | 99.60 | 0.00 | | 81.31 | 11.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.30 |
| | 2000 Hz | 95.90 | 0.00 | | 81.31 | 31.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.08 |
| | 4000 Hz | 90.10 | 0.00 | | 81.31 | 107.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.62 |
| | 8000 Hz | 76.30 | 0.00 | | 81.31 | 383.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -385.10 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.16 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.54 |
| | 63 Hz | 111.60 | 0.00 | | 81.16 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.05 |
| | 125 Hz | 108.60 | 0.00 | | 81.16 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.12 |
| | 250 Hz | 106.50 | 0.00 | | 81.16 | 3.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.98 |
| | 500 Hz | 102.90 | 0.00 | | 81.16 | 6.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.54 |
| | 1000 Hz | 99.60 | 0.00 | | 81.16 | 11.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.67 |
| | 2000 Hz | 95.90 | 0.00 | | 81.16 | 31.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.38 |
| | 4000 Hz | 90.10 | 0.00 | | 81.16 | 105.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.59 |
| | 8000 Hz | 76.30 | 0.00 | | 81.16 | 376.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -378.27 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.15 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.56 |
| | 63 Hz | 111.60 | 0.00 | | 80.15 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.10 |
| | 125 Hz | 108.60 | 0.00 | | 80.15 | 1.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.27 |
| | 250 Hz | 106.50 | 0.00 | | 80.15 | 2.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.36 |
| | 500 Hz | 102.90 | 0.00 | | 80.15 | 5.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.22 |
| | 1000 Hz | 99.60 | 0.00 | | 80.15 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.96 |
| | 2000 Hz | 95.90 | 0.00 | | 80.15 | 27.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.97 |
| | 4000 Hz | 90.10 | 0.00 | | 80.15 | 94.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.06 |
| | 8000 Hz | 76.30 | 0.00 | | 80.15 | 335.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -336.13 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.25 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.47 |
| | 63 Hz | 111.60 | 0.00 | | 79.25 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.04 |
| | 125 Hz | 108.60 | 0.00 | | 79.25 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.29 |
| | 250 Hz | 106.50 | 0.00 | | 79.25 | 2.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.56 |
| | 500 Hz | 102.90 | 0.00 | | 79.25 | 4.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.67 |
| | 1000 Hz | 99.60 | 0.00 | | 79.25 | 9.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.90 |
| | 2000 Hz | 95.90 | 0.00 | | 79.25 | 24.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.32 |
| | 4000 Hz | 90.10 | 0.00 | | 79.25 | 84.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.84 |
| | 8000 Hz | 76.30 | 0.00 | | 79.25 | 302.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -302.03 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.69 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.02 |
| | 63 Hz | 111.60 | 0.00 | | 79.69 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.58 |
| | 125 Hz | 108.60 | 0.00 | | 79.69 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.79 |
| | 250 Hz | 106.50 | 0.00 | | 79.69 | 2.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.97 |
| | 500 Hz | 102.90 | 0.00 | | 79.69 | 5.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.97 |
| | 1000 Hz | 99.60 | 0.00 | | 79.69 | 9.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.96 |
| | 2000 Hz | 95.90 | 0.00 | | 79.69 | 26.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.07 |
| | 4000 Hz | 90.10 | 0.00 | | 79.69 | 89.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.72 |
| | 8000 Hz | 76.30 | 0.00 | | 79.69 | 317.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -318.30 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 83.37 | 0.51 | -3.00 | 0.00 | 0.00 | 1.62 | 0.00 | | -75.60 |
| | 125 Hz | 5.20 | 0.00 | | 83.37 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.88 |
| | 250 Hz | 1.90 | 0.00 | | 83.37 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.81 |
| | 500 Hz | -1.30 | 0.00 | | 83.37 | 8.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.69 |
| | 1000 Hz | -5.00 | 0.00 | | 83.37 | 15.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.58 |
| | 2000 Hz | -8.20 | 0.00 | | 83.37 | 40.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.74 |
| | 4000 Hz | -12.00 | 0.00 | | 83.37 | 136.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -228.59 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 76.42 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.55 |
| | 125 Hz | 106.50 | 0.00 | | 76.42 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 250 Hz | 103.20 | 0.00 | | 76.42 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.83 |
| | 500 Hz | 100.00 | 0.00 | | 76.42 | 3.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.98 |
| | 1000 Hz | 96.30 | 0.00 | | 76.42 | 6.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.05 |
| | 2000 Hz | 93.10 | 0.00 | | 76.42 | 18.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.63 |
| | 4000 Hz | 89.30 | 0.00 | | 76.42 | 61.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.32 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.37 | 0.12 | -3.00 | 0.00 | 0.00 | 1.43 | 0.00 | | 33.88 |
| | 63 Hz | 110.90 | 0.00 | | 82.37 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.08 |
| | 125 Hz | 108.00 | 0.00 | | 82.37 | 1.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.11 |
| | 250 Hz | 103.80 | 0.00 | | 82.37 | 3.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.57 |
| | 500 Hz | 101.90 | 0.00 | | 82.37 | 7.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.39 |
| | 1000 Hz | 98.90 | 0.00 | | 82.37 | 13.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.99 |
| | 2000 Hz | 94.60 | 0.00 | | 82.37 | 35.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.56 |
| | 4000 Hz | 88.20 | 0.00 | | 82.37 | 121.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.53 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 78.80 | 0.00 | | 82.37 | 432.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -433.42 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.09 | 0.10 | -3.00 | 0.00 | 0.00 | 3.75 | 0.00 | | 32.86 |
| | 63 Hz | 110.90 | 0.00 | | 81.09 | 0.39 | -3.00 | 0.00 | 0.00 | 2.40 | 0.00 | | 30.01 |
| | 125 Hz | 108.00 | 0.00 | | 81.09 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.59 |
| | 250 Hz | 103.80 | 0.00 | | 81.09 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.37 |
| | 500 Hz | 101.90 | 0.00 | | 81.09 | 6.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.64 |
| | 1000 Hz | 98.90 | 0.00 | | 81.09 | 11.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.11 |
| | 2000 Hz | 94.60 | 0.00 | | 81.09 | 30.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.40 |
| | 4000 Hz | 88.20 | 0.00 | | 81.09 | 104.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.68 |
| | 8000 Hz | 78.80 | 0.00 | | 81.09 | 373.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -373.04 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.63 | 0.11 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 31.94 |
| | 63 Hz | 110.90 | 0.00 | | 81.63 | 0.41 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 28.50 |
| | 125 Hz | 108.00 | 0.00 | | 81.63 | 1.40 | -3.00 | 0.00 | 0.00 | 1.27 | 0.00 | | 26.70 |
| | 250 Hz | 103.80 | 0.00 | | 81.63 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.62 |
| | 500 Hz | 101.90 | 0.00 | | 81.63 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.71 |
| | 1000 Hz | 98.90 | 0.00 | | 81.63 | 12.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.83 |
| | 2000 Hz | 94.60 | 0.00 | | 81.63 | 32.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.91 |
| | 4000 Hz | 88.20 | 0.00 | | 81.63 | 111.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.92 |
| | 8000 Hz | 78.80 | 0.00 | | 81.63 | 397.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -397.46 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.05 | 0.09 | -3.00 | 0.00 | 0.00 | 1.01 | 0.00 | | 36.65 |
| | 63 Hz | 110.90 | 0.00 | | 80.05 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.50 |
| | 125 Hz | 108.00 | 0.00 | | 80.05 | 1.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.78 |
| | 250 Hz | 103.80 | 0.00 | | 80.05 | 2.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.79 |
| | 500 Hz | 101.90 | 0.00 | | 80.05 | 5.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.39 |
| | 1000 Hz | 98.90 | 0.00 | | 80.05 | 10.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.48 |
| | 2000 Hz | 94.60 | 0.00 | | 80.05 | 27.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.85 |
| | 4000 Hz | 88.20 | 0.00 | | 80.05 | 92.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.76 |
| | 8000 Hz | 78.80 | 0.00 | | 80.05 | 331.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -329.64 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 76.12 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 49.02 |
| | 63 Hz | 122.10 | 0.00 | | 76.12 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.76 |
| | 125 Hz | 115.00 | 0.00 | | 76.12 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.13 |
| | 250 Hz | 108.00 | 0.00 | | 76.12 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.99 |
| | 500 Hz | 103.90 | 0.00 | | 76.12 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.30 |
| | 1000 Hz | 101.60 | 0.00 | | 76.12 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.88 |
| | 2000 Hz | 96.70 | 0.00 | | 76.12 | 17.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.14 |
| | 4000 Hz | 88.60 | 0.00 | | 76.12 | 59.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.66 |
| | 8000 Hz | 80.90 | 0.00 | | 76.12 | 210.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -203.13 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 77.40 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.85 |
| | 125 Hz | 109.80 | 0.00 | | 77.40 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.54 |
| | 250 Hz | 107.40 | 0.00 | | 77.40 | 2.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.82 |
| | 500 Hz | 101.60 | 0.00 | | 77.40 | 4.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.18 |
| | 1000 Hz | 94.50 | 0.00 | | 77.40 | 7.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.46 |
| | 2000 Hz | 88.00 | 0.00 | | 77.40 | 20.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.59 |
| | 4000 Hz | 85.30 | 0.00 | | 77.40 | 68.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.56 |
| | 8000 Hz | 79.90 | 0.00 | | 77.40 | 244.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -238.68 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.57 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.77 |
| | 125 Hz | 110.80 | 0.00 | | 77.57 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.35 |
| | 250 Hz | 105.10 | 0.00 | | 77.57 | 2.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.31 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.60 | 0.00 | | 77.57 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.92 |
| | 1000 Hz | 99.60 | 0.00 | | 77.57 | 7.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.24 |
| | 2000 Hz | 93.10 | 0.00 | | 77.57 | 20.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.06 |
| | 4000 Hz | 80.70 | 0.00 | | 77.57 | 69.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.70 |
| | 8000 Hz | 77.00 | 0.00 | | 77.57 | 249.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -246.64 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.85 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.48 |
| | 125 Hz | 110.80 | 0.00 | | 77.85 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.04 |
| | 250 Hz | 105.10 | 0.00 | | 77.85 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.95 |
| | 500 Hz | 102.60 | 0.00 | | 77.85 | 4.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.50 |
| | 1000 Hz | 99.60 | 0.00 | | 77.85 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.70 |
| | 2000 Hz | 93.10 | 0.00 | | 77.85 | 21.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.03 |
| | 4000 Hz | 80.70 | 0.00 | | 77.85 | 72.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.29 |
| | 8000 Hz | 77.00 | 0.00 | | 77.85 | 257.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -255.16 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.08 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.25 |
| | 125 Hz | 110.80 | 0.00 | | 78.08 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.79 |
| | 250 Hz | 105.10 | 0.00 | | 78.08 | 2.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.67 |
| | 500 Hz | 102.60 | 0.00 | | 78.08 | 4.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.17 |
| | 1000 Hz | 99.60 | 0.00 | | 78.08 | 8.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.26 |
| | 2000 Hz | 93.10 | 0.00 | | 78.08 | 21.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.81 |
| | 4000 Hz | 80.70 | 0.00 | | 78.08 | 74.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.41 |
| | 8000 Hz | 77.00 | 0.00 | | 78.08 | 264.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -262.12 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 77.14 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.01 |
| | 125 Hz | 104.80 | 0.00 | | 77.14 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.82 |
| | 250 Hz | 99.40 | 0.00 | | 77.14 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.14 |
| | 500 Hz | 95.00 | 0.00 | | 77.14 | 3.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.95 |
| | 1000 Hz | 93.20 | 0.00 | | 77.14 | 7.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.64 |
| | 2000 Hz | 89.10 | 0.00 | | 77.14 | 19.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.65 |
| | 4000 Hz | 83.90 | 0.00 | | 77.14 | 66.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.72 |
| | 8000 Hz | 82.20 | 0.00 | | 77.14 | 237.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -229.05 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.38 | 1.01 | -3.00 | 0.00 | 0.00 | 3.82 | 0.00 | | 24.08 |
| | 125 Hz | 111.00 | 0.00 | | 89.38 | 3.41 | -3.00 | 0.00 | 0.00 | 2.63 | 0.00 | | 18.57 |
| | 250 Hz | 106.60 | 0.00 | | 89.38 | 8.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.56 |
| | 500 Hz | 103.70 | 0.00 | | 89.38 | 16.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.31 |
| | 1000 Hz | 99.80 | 0.00 | | 89.38 | 30.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.95 |
| | 2000 Hz | 95.60 | 0.00 | | 89.38 | 80.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.02 |
| | 4000 Hz | 86.90 | 0.00 | | 89.38 | 272.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -271.59 |
| | 8000 Hz | 65.40 | 0.00 | | 89.38 | 970.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -991.48 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.86 | 0.95 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | | 25.15 |
| | 125 Hz | 111.00 | 0.00 | | 88.86 | 3.21 | -3.00 | 0.00 | 0.00 | 1.21 | 0.00 | | 20.71 |
| | 250 Hz | 106.60 | 0.00 | | 88.86 | 8.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.58 |
| | 500 Hz | 103.70 | 0.00 | | 88.86 | 15.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.77 |
| | 1000 Hz | 99.80 | 0.00 | | 88.86 | 28.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.65 |
| | 2000 Hz | 95.60 | 0.00 | | 88.86 | 75.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.81 |
| | 4000 Hz | 86.90 | 0.00 | | 88.86 | 256.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -255.16 |
| | 8000 Hz | 65.40 | 0.00 | | 88.86 | 913.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -934.24 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.81 | 0.84 | -3.00 | 0.00 | 0.00 | 3.07 | 0.00 | | 26.58 |
| | 125 Hz | 111.00 | 0.00 | | 87.81 | 2.85 | -3.00 | 0.00 | 0.00 | 0.31 | 0.00 | | 23.04 |
| | 250 Hz | 106.60 | 0.00 | | 87.81 | 7.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.57 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 103.70 | 0.00 | | 87.81 | 13.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.55 |
| | 1000 Hz | 99.80 | 0.00 | | 87.81 | 25.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.33 |
| | 2000 Hz | 95.60 | 0.00 | | 87.81 | 66.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -56.12 |
| | 4000 Hz | 86.90 | 0.00 | | 87.81 | 226.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -224.83 |
| | 8000 Hz | 65.40 | 0.00 | | 87.81 | 809.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -828.76 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.70 | 0.83 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 25.70 |
| | 125 Hz | 110.20 | 0.00 | | 87.70 | 2.81 | -3.00 | 0.00 | 0.00 | 2.23 | 0.00 | | 20.46 |
| | 250 Hz | 105.30 | 0.00 | | 87.70 | 7.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.47 |
| | 500 Hz | 102.70 | 0.00 | | 87.70 | 13.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.82 |
| | 1000 Hz | 99.80 | 0.00 | | 87.70 | 25.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.90 |
| | 2000 Hz | 95.50 | 0.00 | | 87.70 | 66.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.27 |
| | 4000 Hz | 84.90 | 0.00 | | 87.70 | 224.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -223.87 |
| | 8000 Hz | 61.80 | 0.00 | | 87.70 | 799.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -822.10 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 87.70 | 0.83 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | | 25.73 |
| | 125 Hz | 110.20 | 0.00 | | 87.70 | 2.81 | -3.00 | 0.00 | 0.00 | 2.13 | 0.00 | | 20.56 |
| | 250 Hz | 105.30 | 0.00 | | 87.70 | 7.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.47 |
| | 500 Hz | 102.70 | 0.00 | | 87.70 | 13.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.82 |
| | 1000 Hz | 99.80 | 0.00 | | 87.70 | 25.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.90 |
| | 2000 Hz | 95.50 | 0.00 | | 87.70 | 66.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.28 |
| | 4000 Hz | 84.90 | 0.00 | | 87.70 | 224.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -223.88 |
| | 8000 Hz | 61.80 | 0.00 | | 87.70 | 799.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -822.12 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.94 | 0.76 | -3.00 | 0.00 | 0.00 | 3.58 | 0.00 | | 27.02 |
| | 125 Hz | 111.00 | 0.00 | | 86.94 | 2.57 | -3.00 | 0.00 | 0.00 | 1.97 | 0.00 | | 22.51 |
| | 250 Hz | 106.60 | 0.00 | | 86.94 | 6.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.12 |
| | 500 Hz | 103.70 | 0.00 | | 86.94 | 12.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.68 |
| | 1000 Hz | 99.80 | 0.00 | | 86.94 | 22.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.05 |
| | 2000 Hz | 95.60 | 0.00 | | 86.94 | 60.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.89 |
| | 4000 Hz | 86.90 | 0.00 | | 86.94 | 205.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.39 |
| | 8000 Hz | 65.40 | 0.00 | | 86.94 | 732.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -750.95 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 86.93 | 0.76 | -3.00 | 0.00 | 0.00 | 3.54 | 0.00 | | 27.06 |
| | 125 Hz | 111.00 | 0.00 | | 86.93 | 2.57 | -3.00 | 0.00 | 0.00 | 1.85 | 0.00 | | 22.64 |
| | 250 Hz | 106.60 | 0.00 | | 86.93 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.14 |
| | 500 Hz | 103.70 | 0.00 | | 86.93 | 12.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.70 |
| | 1000 Hz | 99.80 | 0.00 | | 86.93 | 22.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.03 |
| | 2000 Hz | 95.60 | 0.00 | | 86.93 | 60.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.84 |
| | 4000 Hz | 86.90 | 0.00 | | 86.93 | 205.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.22 |
| | 8000 Hz | 65.40 | 0.00 | | 86.93 | 731.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -750.36 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 74.98 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.63 |
| | 125 Hz | 104.80 | 0.00 | | 74.98 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.17 |
| | 250 Hz | 101.20 | 0.00 | | 74.98 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.57 |
| | 500 Hz | 96.80 | 0.00 | | 74.98 | 3.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.78 |
| | 1000 Hz | 92.70 | 0.00 | | 74.98 | 5.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.94 |
| | 2000 Hz | 90.50 | 0.00 | | 74.98 | 15.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.25 |
| | 4000 Hz | 84.90 | 0.00 | | 74.98 | 51.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.89 |
| | 8000 Hz | 70.70 | 0.00 | | 74.98 | 184.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -186.06 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 74.19 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.83 |
| | 125 Hz | 106.90 | 0.00 | | 74.19 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.11 |
| | 250 Hz | 104.10 | 0.00 | | 74.19 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.40 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 100.40 | 0.00 | | 74.19 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.42 |
| | 1000 Hz | 96.10 | 0.00 | | 74.19 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.63 |
| | 2000 Hz | 90.70 | 0.00 | | 74.19 | 13.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.55 |
| | 4000 Hz | 83.90 | 0.00 | | 74.19 | 47.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -34.62 |
| | 8000 Hz | 75.80 | 0.00 | | 74.19 | 168.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -164.21 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 73.77 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.26 |
| | 125 Hz | 108.80 | 0.00 | | 73.77 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.47 |
| | 250 Hz | 106.10 | 0.00 | | 73.77 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.90 |
| | 500 Hz | 102.40 | 0.00 | | 73.77 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.98 |
| | 1000 Hz | 98.10 | 0.00 | | 73.77 | 5.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.30 |
| | 2000 Hz | 92.80 | 0.00 | | 73.77 | 13.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.74 |
| | 4000 Hz | 85.90 | 0.00 | | 73.77 | 45.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.95 |
| | 8000 Hz | 77.90 | 0.00 | | 73.77 | 160.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -153.67 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 69.58 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.52 |
| | 125 Hz | 106.90 | 0.00 | | 69.58 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.97 |
| | 250 Hz | 104.10 | 0.00 | | 69.58 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.63 |
| | 500 Hz | 100.40 | 0.00 | | 69.58 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.18 |
| | 1000 Hz | 96.10 | 0.00 | | 69.58 | 3.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.41 |
| | 2000 Hz | 90.70 | 0.00 | | 69.58 | 8.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.91 |
| | 4000 Hz | 83.90 | 0.00 | | 69.58 | 27.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.51 |
| | 8000 Hz | 75.80 | 0.00 | | 69.58 | 99.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -90.04 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 72.99 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.06 |
| | 125 Hz | 108.80 | 0.00 | | 72.99 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.30 |
| | 250 Hz | 106.10 | 0.00 | | 72.99 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.80 |
| | 500 Hz | 102.40 | 0.00 | | 72.99 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.99 |
| | 1000 Hz | 98.10 | 0.00 | | 72.99 | 4.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.52 |
| | 2000 Hz | 92.80 | 0.00 | | 72.99 | 12.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.67 |
| | 4000 Hz | 85.90 | 0.00 | | 72.99 | 41.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.28 |
| | 8000 Hz | 77.90 | 0.00 | | 72.99 | 146.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -139.02 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 75.74 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.15 |
| | 125 Hz | 110.70 | 0.00 | | 75.74 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.25 |
| | 250 Hz | 108.00 | 0.00 | | 75.74 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.45 |
| | 500 Hz | 104.50 | 0.00 | | 75.74 | 3.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.43 |
| | 1000 Hz | 100.10 | 0.00 | | 75.74 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.04 |
| | 2000 Hz | 94.80 | 0.00 | | 75.74 | 16.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.37 |
| | 4000 Hz | 87.90 | 0.00 | | 75.74 | 56.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -41.44 |
| | 8000 Hz | 79.90 | 0.00 | | 75.74 | 201.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -194.70 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 77.32 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.72 |
| | 125 Hz | 110.90 | 0.00 | | 77.32 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.73 |
| | 250 Hz | 108.10 | 0.00 | | 77.32 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.62 |
| | 500 Hz | 104.40 | 0.00 | | 77.32 | 3.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.08 |
| | 1000 Hz | 100.10 | 0.00 | | 77.32 | 7.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.20 |
| | 2000 Hz | 94.80 | 0.00 | | 77.32 | 20.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.46 |
| | 4000 Hz | 88.00 | 0.00 | | 77.32 | 67.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.20 |
| | 8000 Hz | 80.00 | 0.00 | | 77.32 | 242.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -236.42 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 78.11 | 0.28 | -3.00 | 0.00 | 0.00 | 0.44 | 0.00 | | 37.27 |
| | 125 Hz | 110.70 | 0.00 | | 78.11 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.65 |
| | 250 Hz | 108.00 | 0.00 | | 78.11 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.52 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 104.50 | 0.00 | | 78.11 | 4.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |
| | 1000 Hz | 100.10 | 0.00 | | 78.11 | 8.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.69 |
| | 2000 Hz | 94.80 | 0.00 | | 78.11 | 21.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.24 |
| | 4000 Hz | 87.90 | 0.00 | | 78.11 | 74.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.56 |
| | 8000 Hz | 79.90 | 0.00 | | 78.11 | 265.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -260.38 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 78.78 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.22 |
| | 125 Hz | 110.90 | 0.00 | | 78.78 | 1.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.12 |
| | 250 Hz | 108.10 | 0.00 | | 78.78 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.77 |
| | 500 Hz | 104.40 | 0.00 | | 78.78 | 4.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.90 |
| | 1000 Hz | 100.10 | 0.00 | | 78.78 | 8.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.37 |
| | 2000 Hz | 94.80 | 0.00 | | 78.78 | 23.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.64 |
| | 4000 Hz | 88.00 | 0.00 | | 78.78 | 80.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.04 |
| | 8000 Hz | 80.00 | 0.00 | | 78.78 | 286.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -282.03 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 80.21 | 0.35 | -3.00 | 0.00 | 0.00 | 0.92 | 0.00 | | 34.62 |
| | 125 Hz | 110.70 | 0.00 | | 80.21 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 250 Hz | 108.00 | 0.00 | | 80.21 | 3.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.78 |
| | 500 Hz | 104.50 | 0.00 | | 80.21 | 5.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.73 |
| | 1000 Hz | 100.10 | 0.00 | | 80.21 | 10.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.34 |
| | 2000 Hz | 94.80 | 0.00 | | 80.21 | 27.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.30 |
| | 4000 Hz | 87.90 | 0.00 | | 80.21 | 94.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.90 |
| | 8000 Hz | 79.90 | 0.00 | | 80.21 | 337.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -334.68 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt029 | IP AA | 381676.88 | | 5776005.14 | | 75.742 | | 40.79 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 87.10 | 12.28 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.13 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 71.74 | 2.10 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.52 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 77.89 | 4.25 | 4.72 | 0.00 | 0.00 | 0.05 | 0.00 | | 11.09 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 67.76 | 1.32 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.59 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 80.29 | 0.35 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 22.39 |
| | 125 Hz | 102.50 | 0.00 | | 80.29 | 1.20 | -3.00 | 0.00 | 0.00 | 3.48 | 0.00 | | 20.53 |
| | 250 Hz | 99.20 | 0.00 | | 80.29 | 3.04 | -3.00 | 0.00 | 0.00 | 1.65 | 0.00 | | 17.22 |
| | 500 Hz | 96.00 | 0.00 | | 80.29 | 5.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.09 |
| | 1000 Hz | 92.30 | 0.00 | | 80.29 | 10.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.35 |
| | 2000 Hz | 89.10 | 0.00 | | 80.29 | 28.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.35 |
| | 4000 Hz | 85.30 | 0.00 | | 80.29 | 95.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.49 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 80.87 | 0.38 | -3.00 | 0.00 | 0.00 | 4.29 | 0.00 | | 24.67 |
| | 125 Hz | 105.50 | 0.00 | | 80.87 | 1.28 | -3.00 | 0.00 | 0.00 | 3.75 | 0.00 | | 22.60 |
| | 250 Hz | 102.20 | 0.00 | | 80.87 | 3.25 | -3.00 | 0.00 | 0.00 | 2.43 | 0.00 | | 18.66 |
| | 500 Hz | 99.00 | 0.00 | | 80.87 | 6.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.13 |
| | 1000 Hz | 95.30 | 0.00 | | 80.87 | 11.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.04 |
| | 2000 Hz | 92.10 | 0.00 | | 80.87 | 30.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.87 |
| | 4000 Hz | 88.30 | 0.00 | | 80.87 | 102.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.64 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.58 | 0.12 | -3.00 | 0.00 | 0.00 | 4.35 | 0.00 | | 36.35 |
| | 63 Hz | 116.40 | 0.00 | | 82.58 | 0.46 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | | 32.47 |
| | 125 Hz | 110.70 | 0.00 | | 82.58 | 1.56 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 26.76 |
| | 250 Hz | 104.40 | 0.00 | | 82.58 | 3.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.86 |
| | 500 Hz | 101.20 | 0.00 | | 82.58 | 7.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.31 |
| | 1000 Hz | 99.40 | 0.00 | | 82.58 | 13.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.95 |
| | 2000 Hz | 93.80 | 0.00 | | 82.58 | 36.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.44 |
| | 4000 Hz | 86.70 | 0.00 | | 82.58 | 124.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.19 |
| | 8000 Hz | 78.40 | 0.00 | | 82.58 | 443.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -444.55 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 76.35 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.99 |
| | 63 Hz | 116.40 | 0.00 | | 76.35 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.82 |
| | 125 Hz | 110.70 | 0.00 | | 76.35 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.59 |
| | 250 Hz | 104.40 | 0.00 | | 76.35 | 1.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.12 |
| | 500 Hz | 101.20 | 0.00 | | 76.35 | 3.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.28 |
| | 1000 Hz | 99.40 | 0.00 | | 76.35 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.28 |
| | 2000 Hz | 93.80 | 0.00 | | 76.35 | 17.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.55 |
| | 4000 Hz | 86.70 | 0.00 | | 76.35 | 60.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.34 |
| | 8000 Hz | 78.40 | 0.00 | | 76.35 | 216.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -211.41 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.73 | 0.11 | -3.00 | 0.00 | 0.00 | 4.51 | 0.00 | | 37.05 |
| | 63 Hz | 116.40 | 0.00 | | 81.73 | 0.42 | -3.00 | 0.00 | 0.00 | 4.24 | 0.00 | | 33.02 |
| | 125 Hz | 110.70 | 0.00 | | 81.73 | 1.41 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 26.93 |
| | 250 Hz | 104.40 | 0.00 | | 81.73 | 3.59 | -3.00 | 0.00 | 0.00 | 2.09 | 0.00 | | 20.00 |
| | 500 Hz | 101.20 | 0.00 | | 81.73 | 6.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.84 |
| | 1000 Hz | 99.40 | 0.00 | | 81.73 | 12.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.09 |
| | 2000 Hz | 93.80 | 0.00 | | 81.73 | 33.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.16 |
| | 4000 Hz | 86.70 | 0.00 | | 81.73 | 112.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.73 |
| | 8000 Hz | 78.40 | 0.00 | | 81.73 | 401.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -402.32 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.36 | 0.12 | -3.00 | 0.00 | 0.00 | 4.66 | 0.00 | | 36.27 |
| | 63 Hz | 116.40 | 0.00 | | 82.36 | 0.45 | -3.00 | 0.00 | 0.00 | 4.54 | 0.00 | | 32.05 |
| | 125 Hz | 110.70 | 0.00 | | 82.36 | 1.52 | -3.00 | 0.00 | 0.00 | 4.30 | 0.00 | | 25.53 |
| | 250 Hz | 104.40 | 0.00 | | 82.36 | 3.86 | -3.00 | 0.00 | 0.00 | 3.76 | 0.00 | | 17.42 |
| | 500 Hz | 101.20 | 0.00 | | 82.36 | 7.13 | -3.00 | 0.00 | 0.00 | 2.44 | 0.00 | | 12.27 |
| | 1000 Hz | 99.40 | 0.00 | | 82.36 | 13.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.52 |
| | 2000 Hz | 93.80 | 0.00 | | 82.36 | 35.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.29 |
| | 4000 Hz | 86.70 | 0.00 | | 82.36 | 121.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.84 |
| | 8000 Hz | 78.40 | 0.00 | | 82.36 | 432.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -433.17 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.97 | 0.09 | -3.00 | 0.00 | 0.00 | 3.50 | 0.00 | | 39.84 |
| | 63 Hz | 116.40 | 0.00 | | 79.97 | 0.34 | -3.00 | 0.00 | 0.00 | 1.70 | 0.00 | | 37.39 |
| | 125 Hz | 110.70 | 0.00 | | 79.97 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.58 |
| | 250 Hz | 104.40 | 0.00 | | 79.97 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.50 |
| | 500 Hz | 101.20 | 0.00 | | 79.97 | 5.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.82 |
| | 1000 Hz | 99.40 | 0.00 | | 79.97 | 10.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.16 |
| | 2000 Hz | 93.80 | 0.00 | | 79.97 | 27.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.31 |
| | 4000 Hz | 86.70 | 0.00 | | 79.97 | 92.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.32 |
| | 8000 Hz | 78.40 | 0.00 | | 79.97 | 328.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -326.87 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.41 | 0.09 | -3.00 | 0.00 | 0.00 | 3.06 | 0.00 | | 39.83 |
| | 63 Hz | 116.40 | 0.00 | | 80.41 | 0.36 | -3.00 | 0.00 | 0.00 | 0.20 | 0.00 | | 38.43 |
| | 125 Hz | 110.70 | 0.00 | | 80.41 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.07 |
| | 250 Hz | 104.40 | 0.00 | | 80.41 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.91 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.20 | 0.00 | | 80.41 | 5.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.09 |
| | 1000 Hz | 99.40 | 0.00 | | 80.41 | 10.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.18 |
| | 2000 Hz | 93.80 | 0.00 | | 80.41 | 28.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.17 |
| | 4000 Hz | 86.70 | 0.00 | | 80.41 | 96.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.56 |
| | 8000 Hz | 78.40 | 0.00 | | 80.41 | 345.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -344.45 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.77 | 0.11 | -3.00 | 0.00 | 0.00 | 3.68 | 0.00 | | 37.84 |
| | 63 Hz | 116.40 | 0.00 | | 81.77 | 0.42 | -3.00 | 0.00 | 0.00 | 2.22 | 0.00 | | 34.99 |
| | 125 Hz | 110.70 | 0.00 | | 81.77 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.51 |
| | 250 Hz | 104.40 | 0.00 | | 81.77 | 3.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.03 |
| | 500 Hz | 101.20 | 0.00 | | 81.77 | 6.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.77 |
| | 1000 Hz | 99.40 | 0.00 | | 81.77 | 12.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.99 |
| | 2000 Hz | 93.80 | 0.00 | | 81.77 | 33.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.37 |
| | 4000 Hz | 86.70 | 0.00 | | 81.77 | 113.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.32 |
| | 8000 Hz | 78.40 | 0.00 | | 81.77 | 403.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -404.31 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.49 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.81 |
| | 63 Hz | 116.40 | 0.00 | | 80.49 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.55 |
| | 125 Hz | 110.70 | 0.00 | | 80.49 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.98 |
| | 250 Hz | 104.40 | 0.00 | | 80.49 | 3.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.80 |
| | 500 Hz | 101.20 | 0.00 | | 80.49 | 5.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.96 |
| | 1000 Hz | 99.40 | 0.00 | | 80.49 | 10.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.00 |
| | 2000 Hz | 93.80 | 0.00 | | 80.49 | 28.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.52 |
| | 4000 Hz | 86.70 | 0.00 | | 80.49 | 97.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.55 |
| | 8000 Hz | 78.40 | 0.00 | | 80.49 | 348.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -347.76 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 79.96 | 0.09 | -3.00 | 0.00 | 0.00 | 0.80 | 0.00 | | 39.25 |
| | 63 Hz | 113.10 | 0.00 | | 79.96 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.80 |
| | 125 Hz | 107.40 | 0.00 | | 79.96 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.29 |
| | 250 Hz | 101.10 | 0.00 | | 79.96 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.21 |
| | 500 Hz | 97.90 | 0.00 | | 79.96 | 5.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.53 |
| | 1000 Hz | 96.10 | 0.00 | | 79.96 | 10.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.88 |
| | 2000 Hz | 90.50 | 0.00 | | 79.96 | 27.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.57 |
| | 4000 Hz | 83.40 | 0.00 | | 79.96 | 91.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.51 |
| | 8000 Hz | 75.10 | 0.00 | | 79.96 | 327.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -329.81 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.20 | 0.10 | -3.00 | 0.00 | 0.00 | 1.48 | 0.00 | | 40.61 |
| | 63 Hz | 116.40 | 0.00 | | 81.20 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.80 |
| | 125 Hz | 110.70 | 0.00 | | 81.20 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.17 |
| | 250 Hz | 104.40 | 0.00 | | 81.20 | 3.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.82 |
| | 500 Hz | 101.20 | 0.00 | | 81.20 | 6.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.76 |
| | 1000 Hz | 99.40 | 0.00 | | 81.20 | 11.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.36 |
| | 2000 Hz | 93.80 | 0.00 | | 81.20 | 31.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.69 |
| | 4000 Hz | 86.70 | 0.00 | | 81.20 | 106.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.61 |
| | 8000 Hz | 78.40 | 0.00 | | 81.20 | 378.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -378.24 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.30 | 0.12 | -3.00 | 0.00 | 0.00 | 3.14 | 0.00 | | 37.85 |
| | 63 Hz | 116.40 | 0.00 | | 82.30 | 0.45 | -3.00 | 0.00 | 0.00 | 0.49 | 0.00 | | 36.16 |
| | 125 Hz | 110.70 | 0.00 | | 82.30 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.89 |
| | 250 Hz | 104.40 | 0.00 | | 82.30 | 3.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.27 |
| | 500 Hz | 101.20 | 0.00 | | 82.30 | 7.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.82 |
| | 1000 Hz | 99.40 | 0.00 | | 82.30 | 13.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.67 |
| | 2000 Hz | 93.80 | 0.00 | | 82.30 | 35.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.99 |
| | 4000 Hz | 86.70 | 0.00 | | 82.30 | 120.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.95 |
| | 8000 Hz | 78.40 | 0.00 | | 82.30 | 429.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -430.15 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 87.66 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.21 |
| | 125 Hz | 104.80 | 0.00 | | 87.66 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.34 |
| | 250 Hz | 101.50 | 0.00 | | 87.66 | 7.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.74 |
| | 500 Hz | 97.10 | 0.00 | | 87.66 | 13.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.68 |
| | 1000 Hz | 91.00 | 0.00 | | 87.66 | 24.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.55 |
| | 2000 Hz | 86.30 | 0.00 | | 87.66 | 65.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.14 |
| | 4000 Hz | 80.30 | 0.00 | | 87.66 | 223.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -227.45 |
| | 8000 Hz | 74.00 | 0.00 | | 87.66 | 795.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -806.35 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.03 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.74 |
| | 63 Hz | 113.00 | 0.00 | | 88.03 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.11 |
| | 125 Hz | 108.60 | 0.00 | | 88.03 | 2.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.65 |
| | 250 Hz | 105.70 | 0.00 | | 88.03 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.26 |
| | 500 Hz | 101.70 | 0.00 | | 88.03 | 13.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 |
| | 1000 Hz | 95.50 | 0.00 | | 88.03 | 25.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.51 |
| | 2000 Hz | 89.70 | 0.00 | | 88.03 | 68.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -63.98 |
| | 4000 Hz | 82.20 | 0.00 | | 88.03 | 232.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -235.65 |
| | 8000 Hz | 74.00 | 0.00 | | 88.03 | 830.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -841.41 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.02 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.75 |
| | 63 Hz | 113.00 | 0.00 | | 88.02 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.12 |
| | 125 Hz | 108.60 | 0.00 | | 88.02 | 2.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.67 |
| | 250 Hz | 105.70 | 0.00 | | 88.02 | 7.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.28 |
| | 500 Hz | 101.70 | 0.00 | | 88.02 | 13.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 |
| | 1000 Hz | 95.50 | 0.00 | | 88.02 | 25.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.47 |
| | 2000 Hz | 89.70 | 0.00 | | 88.02 | 68.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -63.89 |
| | 4000 Hz | 82.20 | 0.00 | | 88.02 | 232.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -235.35 |
| | 8000 Hz | 74.00 | 0.00 | | 88.02 | 829.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -840.37 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 86.62 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.08 |
| | 63 Hz | 111.30 | 0.00 | | 86.62 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.94 |
| | 125 Hz | 107.40 | 0.00 | | 86.62 | 2.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.29 |
| | 250 Hz | 102.80 | 0.00 | | 86.62 | 6.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.87 |
| | 500 Hz | 99.70 | 0.00 | | 86.62 | 11.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.43 |
| | 1000 Hz | 96.60 | 0.00 | | 86.62 | 22.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.12 |
| | 2000 Hz | 91.70 | 0.00 | | 86.62 | 58.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -50.31 |
| | 4000 Hz | 85.00 | 0.00 | | 86.62 | 198.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -196.64 |
| | 8000 Hz | 87.30 | 0.00 | | 86.62 | 706.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -702.58 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 88.04 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.99 |
| | 125 Hz | 108.60 | 0.00 | | 88.04 | 2.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.63 |
| | 250 Hz | 103.40 | 0.00 | | 88.04 | 7.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.94 |
| | 500 Hz | 99.10 | 0.00 | | 88.04 | 13.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 |
| | 1000 Hz | 98.00 | 0.00 | | 88.04 | 26.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.06 |
| | 2000 Hz | 89.80 | 0.00 | | 88.04 | 68.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -64.00 |
| | 4000 Hz | 85.30 | 0.00 | | 88.04 | 233.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -232.92 |
| | 8000 Hz | 80.10 | 0.00 | | 88.04 | 831.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -836.62 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.87 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.50 |
| | 63 Hz | 112.30 | 0.00 | | 87.87 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.58 |
| | 125 Hz | 108.10 | 0.00 | | 87.87 | 2.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.36 |
| | 250 Hz | 103.50 | 0.00 | | 87.87 | 7.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.35 |
| | 500 Hz | 100.70 | 0.00 | | 87.87 | 13.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 98.30 | 0.00 | | 87.87 | 25.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.09 |
| | 2000 Hz | 93.80 | 0.00 | | 87.87 | 67.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.50 |
| | 4000 Hz | 86.20 | 0.00 | | 87.87 | 228.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -227.32 |
| | 8000 Hz | 78.20 | 0.00 | | 87.87 | 815.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -822.18 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 87.63 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.76 |
| | 63 Hz | 111.70 | 0.00 | | 87.63 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.25 |
| | 125 Hz | 106.40 | 0.00 | | 87.63 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.99 |
| | 250 Hz | 102.10 | 0.00 | | 87.63 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.40 |
| | 500 Hz | 99.10 | 0.00 | | 87.63 | 13.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 |
| | 1000 Hz | 96.90 | 0.00 | | 87.63 | 24.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.53 |
| | 2000 Hz | 90.50 | 0.00 | | 87.63 | 65.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -59.66 |
| | 4000 Hz | 81.00 | 0.00 | | 87.63 | 222.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -225.88 |
| | 8000 Hz | 76.50 | 0.00 | | 87.63 | 792.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -800.82 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 88.31 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.95 |
| | 63 Hz | 110.40 | 0.00 | | 88.31 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.19 |
| | 125 Hz | 107.20 | 0.00 | | 88.31 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.87 |
| | 250 Hz | 101.70 | 0.00 | | 88.31 | 7.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.73 |
| | 500 Hz | 98.20 | 0.00 | | 88.31 | 14.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.27 |
| | 1000 Hz | 95.60 | 0.00 | | 88.31 | 26.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.57 |
| | 2000 Hz | 93.70 | 0.00 | | 88.31 | 70.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -62.57 |
| | 4000 Hz | 90.70 | 0.00 | | 88.31 | 240.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -235.22 |
| | 8000 Hz | 79.50 | 0.00 | | 88.31 | 858.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -863.97 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.99 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.68 |
| | 63 Hz | 111.60 | 0.00 | | 82.99 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.12 |
| | 125 Hz | 108.60 | 0.00 | | 82.99 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.97 |
| | 250 Hz | 106.50 | 0.00 | | 82.99 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.35 |
| | 500 Hz | 102.90 | 0.00 | | 82.99 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.24 |
| | 1000 Hz | 99.60 | 0.00 | | 82.99 | 14.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.05 |
| | 2000 Hz | 95.90 | 0.00 | | 82.99 | 38.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.55 |
| | 4000 Hz | 90.10 | 0.00 | | 82.99 | 130.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -120.30 |
| | 8000 Hz | 76.30 | 0.00 | | 82.99 | 465.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -468.80 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.85 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.82 |
| | 63 Hz | 111.60 | 0.00 | | 82.85 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.27 |
| | 125 Hz | 108.60 | 0.00 | | 82.85 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.14 |
| | 250 Hz | 106.50 | 0.00 | | 82.85 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.56 |
| | 500 Hz | 102.90 | 0.00 | | 82.85 | 7.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.50 |
| | 1000 Hz | 99.60 | 0.00 | | 82.85 | 14.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.43 |
| | 2000 Hz | 95.90 | 0.00 | | 82.85 | 37.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -21.79 |
| | 4000 Hz | 90.10 | 0.00 | | 82.85 | 128.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.07 |
| | 8000 Hz | 76.30 | 0.00 | | 82.85 | 457.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -461.22 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.04 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.65 |
| | 63 Hz | 111.60 | 0.00 | | 82.04 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.13 |
| | 125 Hz | 108.60 | 0.00 | | 82.04 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.10 |
| | 250 Hz | 106.50 | 0.00 | | 82.04 | 3.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.75 |
| | 500 Hz | 102.90 | 0.00 | | 82.04 | 6.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.00 |
| | 1000 Hz | 99.60 | 0.00 | | 82.04 | 13.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.53 |
| | 2000 Hz | 95.90 | 0.00 | | 82.04 | 34.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.57 |
| | 4000 Hz | 90.10 | 0.00 | | 82.04 | 116.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -105.71 |
| | 8000 Hz | 76.30 | 0.00 | | 82.04 | 416.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -419.23 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.40 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.29 |
| | 63 Hz | 111.60 | 0.00 | | 81.40 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.79 |
| | 125 Hz | 108.60 | 0.00 | | 81.40 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.83 |
| | 250 Hz | 106.50 | 0.00 | | 81.40 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.64 |
| | 500 Hz | 102.90 | 0.00 | | 81.40 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.11 |
| | 1000 Hz | 99.60 | 0.00 | | 81.40 | 12.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.08 |
| | 2000 Hz | 95.90 | 0.00 | | 81.40 | 32.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.53 |
| | 4000 Hz | 90.10 | 0.00 | | 81.40 | 108.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.90 |
| | 8000 Hz | 76.30 | 0.00 | | 81.40 | 387.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -389.44 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.08 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.62 |
| | 63 Hz | 111.60 | 0.00 | | 81.08 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.13 |
| | 125 Hz | 108.60 | 0.00 | | 81.08 | 1.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.21 |
| | 250 Hz | 106.50 | 0.00 | | 81.08 | 3.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.09 |
| | 500 Hz | 102.90 | 0.00 | | 81.08 | 6.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.66 |
| | 1000 Hz | 99.60 | 0.00 | | 81.08 | 11.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.84 |
| | 2000 Hz | 95.90 | 0.00 | | 81.08 | 30.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.04 |
| | 4000 Hz | 90.10 | 0.00 | | 81.08 | 104.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.62 |
| | 8000 Hz | 76.30 | 0.00 | | 81.08 | 373.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -375.00 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.41 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.30 |
| | 63 Hz | 111.60 | 0.00 | | 80.41 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.83 |
| | 125 Hz | 108.60 | 0.00 | | 80.41 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.98 |
| | 250 Hz | 106.50 | 0.00 | | 80.41 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.01 |
| | 500 Hz | 102.90 | 0.00 | | 80.41 | 5.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.80 |
| | 1000 Hz | 99.60 | 0.00 | | 80.41 | 10.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.39 |
| | 2000 Hz | 95.90 | 0.00 | | 80.41 | 28.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.06 |
| | 4000 Hz | 90.10 | 0.00 | | 80.41 | 96.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -84.14 |
| | 8000 Hz | 76.30 | 0.00 | | 80.41 | 345.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -346.46 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.33 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.38 |
| | 63 Hz | 111.60 | 0.00 | | 79.33 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.95 |
| | 125 Hz | 108.60 | 0.00 | | 79.33 | 1.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.19 |
| | 250 Hz | 106.50 | 0.00 | | 79.33 | 2.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.44 |
| | 500 Hz | 102.90 | 0.00 | | 79.33 | 5.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.54 |
| | 1000 Hz | 99.60 | 0.00 | | 79.33 | 9.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.72 |
| | 2000 Hz | 95.90 | 0.00 | | 79.33 | 25.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.66 |
| | 4000 Hz | 90.10 | 0.00 | | 79.33 | 85.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.79 |
| | 8000 Hz | 76.30 | 0.00 | | 79.33 | 305.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -305.17 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.58 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.13 |
| | 63 Hz | 111.60 | 0.00 | | 79.58 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.69 |
| | 125 Hz | 108.60 | 0.00 | | 79.58 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.91 |
| | 250 Hz | 106.50 | 0.00 | | 79.58 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.11 |
| | 500 Hz | 102.90 | 0.00 | | 79.58 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.14 |
| | 1000 Hz | 99.60 | 0.00 | | 79.58 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.19 |
| | 2000 Hz | 95.90 | 0.00 | | 79.58 | 25.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.65 |
| | 4000 Hz | 90.10 | 0.00 | | 79.58 | 88.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.55 |
| | 8000 Hz | 76.30 | 0.00 | | 79.58 | 314.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -314.38 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 83.07 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.66 |
| | 125 Hz | 5.20 | 0.00 | | 83.07 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.52 |
| | 250 Hz | 1.90 | 0.00 | | 83.07 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.35 |
| | 500 Hz | -1.30 | 0.00 | | 83.07 | 7.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.10 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | -5.00 | 0.00 | | 83.07 | 14.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.74 |
| | 2000 Hz | -8.20 | 0.00 | | 83.07 | 38.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.04 |
| | 4000 Hz | -12.00 | 0.00 | | 83.07 | 131.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -223.57 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 76.84 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.12 |
| | 125 Hz | 106.50 | 0.00 | | 76.84 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.86 |
| | 250 Hz | 103.20 | 0.00 | | 76.84 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.32 |
| | 500 Hz | 100.00 | 0.00 | | 76.84 | 3.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.39 |
| | 1000 Hz | 96.30 | 0.00 | | 76.84 | 7.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.30 |
| | 2000 Hz | 93.10 | 0.00 | | 76.84 | 18.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.33 |
| | 4000 Hz | 89.30 | 0.00 | | 76.84 | 64.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.73 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.24 | 0.12 | -3.00 | 0.00 | 0.00 | 4.63 | 0.00 | | 30.81 |
| | 63 Hz | 110.90 | 0.00 | | 82.24 | 0.44 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | | 26.73 |
| | 125 Hz | 108.00 | 0.00 | | 82.24 | 1.50 | -3.00 | 0.00 | 0.00 | 4.18 | 0.00 | | 23.08 |
| | 250 Hz | 103.80 | 0.00 | | 82.24 | 3.81 | -3.00 | 0.00 | 0.00 | 3.50 | 0.00 | | 17.25 |
| | 500 Hz | 101.90 | 0.00 | | 82.24 | 7.03 | -3.00 | 0.00 | 0.00 | 1.69 | 0.00 | | 13.94 |
| | 1000 Hz | 98.90 | 0.00 | | 82.24 | 13.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.31 |
| | 2000 Hz | 94.60 | 0.00 | | 82.24 | 35.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.90 |
| | 4000 Hz | 88.20 | 0.00 | | 82.24 | 119.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -110.62 |
| | 8000 Hz | 78.80 | 0.00 | | 82.24 | 426.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -426.94 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.90 | 0.10 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | | 32.71 |
| | 63 Hz | 110.90 | 0.00 | | 80.90 | 0.38 | -3.00 | 0.00 | 0.00 | 3.27 | 0.00 | | 29.34 |
| | 125 Hz | 108.00 | 0.00 | | 80.90 | 1.29 | -3.00 | 0.00 | 0.00 | 1.02 | 0.00 | | 27.79 |
| | 250 Hz | 103.80 | 0.00 | | 80.90 | 3.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.63 |
| | 500 Hz | 101.90 | 0.00 | | 80.90 | 6.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.97 |
| | 1000 Hz | 98.90 | 0.00 | | 80.90 | 11.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.56 |
| | 2000 Hz | 94.60 | 0.00 | | 80.90 | 30.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.53 |
| | 4000 Hz | 88.20 | 0.00 | | 80.90 | 102.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.21 |
| | 8000 Hz | 78.80 | 0.00 | | 80.90 | 365.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -364.70 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.41 | 0.11 | -3.00 | 0.00 | 0.00 | 4.53 | 0.00 | | 31.75 |
| | 63 Hz | 110.90 | 0.00 | | 81.41 | 0.40 | -3.00 | 0.00 | 0.00 | 4.27 | 0.00 | | 27.81 |
| | 125 Hz | 108.00 | 0.00 | | 81.41 | 1.36 | -3.00 | 0.00 | 0.00 | 3.71 | 0.00 | | 24.51 |
| | 250 Hz | 103.80 | 0.00 | | 81.41 | 3.46 | -3.00 | 0.00 | 0.00 | 2.32 | 0.00 | | 19.61 |
| | 500 Hz | 101.90 | 0.00 | | 81.41 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.09 |
| | 1000 Hz | 98.90 | 0.00 | | 81.41 | 12.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.36 |
| | 2000 Hz | 94.60 | 0.00 | | 81.41 | 32.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.86 |
| | 4000 Hz | 88.20 | 0.00 | | 81.41 | 108.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.91 |
| | 8000 Hz | 78.80 | 0.00 | | 81.41 | 387.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -387.28 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 79.84 | 0.09 | -3.00 | 0.00 | 0.00 | 2.43 | 0.00 | | 35.45 |
| | 63 Hz | 110.90 | 0.00 | | 79.84 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.73 |
| | 125 Hz | 108.00 | 0.00 | | 79.84 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.03 |
| | 250 Hz | 103.80 | 0.00 | | 79.84 | 2.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.08 |
| | 500 Hz | 101.90 | 0.00 | | 79.84 | 5.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.73 |
| | 1000 Hz | 98.90 | 0.00 | | 79.84 | 10.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.95 |
| | 2000 Hz | 94.60 | 0.00 | | 79.84 | 26.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.97 |
| | 4000 Hz | 88.20 | 0.00 | | 79.84 | 90.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.28 |
| | 8000 Hz | 78.80 | 0.00 | | 79.84 | 323.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -321.34 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 76.70 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.44 |
| | 63 Hz | 122.10 | 0.00 | | 76.70 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.17 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 115.00 | 0.00 | | 76.70 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.51 |
| | 250 Hz | 108.00 | 0.00 | | 76.70 | 2.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.29 |
| | 500 Hz | 103.90 | 0.00 | | 76.70 | 3.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.49 |
| | 1000 Hz | 101.60 | 0.00 | | 76.70 | 7.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.85 |
| | 2000 Hz | 96.70 | 0.00 | | 76.70 | 18.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.37 |
| | 4000 Hz | 88.60 | 0.00 | | 76.70 | 63.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -48.27 |
| | 8000 Hz | 80.90 | 0.00 | | 76.70 | 225.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -218.11 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 77.79 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.44 |
| | 125 Hz | 109.80 | 0.00 | | 77.79 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.11 |
| | 250 Hz | 107.40 | 0.00 | | 77.79 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.32 |
| | 500 Hz | 101.60 | 0.00 | | 77.79 | 4.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.59 |
| | 1000 Hz | 94.50 | 0.00 | | 77.79 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.71 |
| | 2000 Hz | 88.00 | 0.00 | | 77.79 | 21.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.93 |
| | 4000 Hz | 85.30 | 0.00 | | 77.79 | 71.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.16 |
| | 8000 Hz | 79.90 | 0.00 | | 77.79 | 255.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -250.49 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.81 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.52 |
| | 125 Hz | 110.80 | 0.00 | | 77.81 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.09 |
| | 250 Hz | 105.10 | 0.00 | | 77.81 | 2.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.00 |
| | 500 Hz | 102.60 | 0.00 | | 77.81 | 4.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.56 |
| | 1000 Hz | 99.60 | 0.00 | | 77.81 | 8.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.77 |
| | 2000 Hz | 93.10 | 0.00 | | 77.81 | 21.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.89 |
| | 4000 Hz | 80.70 | 0.00 | | 77.81 | 71.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.94 |
| | 8000 Hz | 77.00 | 0.00 | | 77.81 | 256.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -253.98 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 77.94 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.39 |
| | 125 Hz | 110.80 | 0.00 | | 77.94 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.95 |
| | 250 Hz | 105.10 | 0.00 | | 77.94 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.84 |
| | 500 Hz | 102.60 | 0.00 | | 77.94 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.38 |
| | 1000 Hz | 99.60 | 0.00 | | 77.94 | 8.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.53 |
| | 2000 Hz | 93.10 | 0.00 | | 77.94 | 21.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.32 |
| | 4000 Hz | 80.70 | 0.00 | | 77.94 | 72.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.09 |
| | 8000 Hz | 77.00 | 0.00 | | 77.94 | 259.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -257.79 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.01 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.32 |
| | 125 Hz | 110.80 | 0.00 | | 78.01 | 0.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.87 |
| | 250 Hz | 105.10 | 0.00 | | 78.01 | 2.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.75 |
| | 500 Hz | 102.60 | 0.00 | | 78.01 | 4.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.27 |
| | 1000 Hz | 99.60 | 0.00 | | 78.01 | 8.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.40 |
| | 2000 Hz | 93.10 | 0.00 | | 78.01 | 21.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.57 |
| | 4000 Hz | 80.70 | 0.00 | | 78.01 | 73.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.76 |
| | 8000 Hz | 77.00 | 0.00 | | 78.01 | 261.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -259.97 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 77.79 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.34 |
| | 125 Hz | 104.80 | 0.00 | | 77.79 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.11 |
| | 250 Hz | 99.40 | 0.00 | | 77.79 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.33 |
| | 500 Hz | 95.00 | 0.00 | | 77.79 | 4.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.99 |
| | 1000 Hz | 93.20 | 0.00 | | 77.79 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.41 |
| | 2000 Hz | 89.10 | 0.00 | | 77.79 | 21.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.82 |
| | 4000 Hz | 83.90 | 0.00 | | 77.79 | 71.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.54 |
| | 8000 Hz | 82.20 | 0.00 | | 77.79 | 255.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -248.13 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.70 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.56 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 111.00 | 0.00 | | 89.70 | 3.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.77 |
| | 250 Hz | 106.60 | 0.00 | | 89.70 | 8.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.93 |
| | 500 Hz | 103.70 | 0.00 | | 89.70 | 16.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| | 1000 Hz | 99.80 | 0.00 | | 89.70 | 31.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.37 |
| | 2000 Hz | 95.60 | 0.00 | | 89.70 | 83.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -74.28 |
| | 4000 Hz | 86.90 | 0.00 | | 89.70 | 282.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -281.87 |
| | 8000 Hz | 65.40 | 0.00 | | 89.70 | 1006.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1027.35 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.20 | 0.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.11 |
| | 125 Hz | 111.00 | 0.00 | | 89.20 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.46 |
| | 250 Hz | 106.60 | 0.00 | | 89.20 | 8.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.92 |
| | 500 Hz | 103.70 | 0.00 | | 89.20 | 15.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 |
| | 1000 Hz | 99.80 | 0.00 | | 89.20 | 29.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -16.14 |
| | 2000 Hz | 95.60 | 0.00 | | 89.20 | 78.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -69.18 |
| | 4000 Hz | 86.90 | 0.00 | | 89.20 | 266.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -265.76 |
| | 8000 Hz | 65.40 | 0.00 | | 89.20 | 950.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -971.18 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.19 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.23 |
| | 125 Hz | 111.00 | 0.00 | | 88.19 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.84 |
| | 250 Hz | 106.60 | 0.00 | | 88.19 | 7.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.86 |
| | 500 Hz | 103.70 | 0.00 | | 88.19 | 13.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.56 |
| | 1000 Hz | 99.80 | 0.00 | | 88.19 | 26.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.86 |
| | 2000 Hz | 95.60 | 0.00 | | 88.19 | 69.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -59.53 |
| | 4000 Hz | 86.90 | 0.00 | | 88.19 | 237.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -235.46 |
| | 8000 Hz | 65.40 | 0.00 | | 88.19 | 845.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -865.69 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.07 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.96 |
| | 125 Hz | 110.20 | 0.00 | | 88.07 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.19 |
| | 250 Hz | 105.30 | 0.00 | | 88.07 | 7.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.78 |
| | 500 Hz | 102.70 | 0.00 | | 88.07 | 13.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.86 |
| | 1000 Hz | 99.80 | 0.00 | | 88.07 | 26.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.39 |
| | 2000 Hz | 95.50 | 0.00 | | 88.07 | 69.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.58 |
| | 4000 Hz | 84.90 | 0.00 | | 88.07 | 234.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -234.19 |
| | 8000 Hz | 61.80 | 0.00 | | 88.07 | 834.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -857.94 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.06 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.97 |
| | 125 Hz | 110.20 | 0.00 | | 88.06 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.21 |
| | 250 Hz | 105.30 | 0.00 | | 88.06 | 7.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.80 |
| | 500 Hz | 102.70 | 0.00 | | 88.06 | 13.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 |
| | 1000 Hz | 99.80 | 0.00 | | 88.06 | 26.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.34 |
| | 2000 Hz | 95.50 | 0.00 | | 88.06 | 68.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -58.47 |
| | 4000 Hz | 84.90 | 0.00 | | 88.06 | 233.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -233.85 |
| | 8000 Hz | 61.80 | 0.00 | | 88.06 | 833.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -856.75 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.35 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.15 |
| | 125 Hz | 111.00 | 0.00 | | 87.35 | 2.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.95 |
| | 250 Hz | 106.60 | 0.00 | | 87.35 | 6.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.40 |
| | 500 Hz | 103.70 | 0.00 | | 87.35 | 12.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.69 |
| | 1000 Hz | 99.80 | 0.00 | | 87.35 | 24.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -8.57 |
| | 2000 Hz | 95.60 | 0.00 | | 87.35 | 63.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -52.22 |
| | 4000 Hz | 86.90 | 0.00 | | 87.35 | 215.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -212.69 |
| | 8000 Hz | 65.40 | 0.00 | | 87.35 | 767.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -786.64 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.32 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.18 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 111.00 | 0.00 | | 87.32 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.98 |
| | 250 Hz | 106.60 | 0.00 | | 87.32 | 6.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.44 |
| | 500 Hz | 103.70 | 0.00 | | 87.32 | 12.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.75 |
| | 1000 Hz | 99.80 | 0.00 | | 87.32 | 23.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.48 |
| | 2000 Hz | 95.60 | 0.00 | | 87.32 | 63.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.03 |
| | 4000 Hz | 86.90 | 0.00 | | 87.32 | 214.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.11 |
| | 8000 Hz | 65.40 | 0.00 | | 87.32 | 765.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -784.63 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 75.48 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.12 |
| | 125 Hz | 104.80 | 0.00 | | 75.48 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.63 |
| | 250 Hz | 101.20 | 0.00 | | 75.48 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.97 |
| | 500 Hz | 96.80 | 0.00 | | 75.48 | 3.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.09 |
| | 1000 Hz | 92.70 | 0.00 | | 75.48 | 6.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.09 |
| | 2000 Hz | 90.50 | 0.00 | | 75.48 | 16.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.83 |
| | 4000 Hz | 84.90 | 0.00 | | 75.48 | 54.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.47 |
| | 8000 Hz | 70.70 | 0.00 | | 75.48 | 195.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -197.57 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 73.35 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.69 |
| | 125 Hz | 106.90 | 0.00 | | 73.35 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.01 |
| | 250 Hz | 104.10 | 0.00 | | 73.35 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.39 |
| | 500 Hz | 100.40 | 0.00 | | 73.35 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.53 |
| | 1000 Hz | 96.10 | 0.00 | | 73.35 | 4.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.96 |
| | 2000 Hz | 90.70 | 0.00 | | 73.35 | 12.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.69 |
| | 4000 Hz | 83.90 | 0.00 | | 73.35 | 42.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.39 |
| | 8000 Hz | 75.80 | 0.00 | | 73.35 | 153.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.72 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 73.71 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.32 |
| | 125 Hz | 108.80 | 0.00 | | 73.71 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.52 |
| | 250 Hz | 106.10 | 0.00 | | 73.71 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.96 |
| | 500 Hz | 102.40 | 0.00 | | 73.71 | 2.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.05 |
| | 1000 Hz | 98.10 | 0.00 | | 73.71 | 5.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.39 |
| | 2000 Hz | 92.80 | 0.00 | | 73.71 | 13.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.88 |
| | 4000 Hz | 85.90 | 0.00 | | 73.71 | 44.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.61 |
| | 8000 Hz | 77.90 | 0.00 | | 73.71 | 159.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.59 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 69.85 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.25 |
| | 125 Hz | 106.90 | 0.00 | | 69.85 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.69 |
| | 250 Hz | 104.10 | 0.00 | | 69.85 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.34 |
| | 500 Hz | 100.40 | 0.00 | | 69.85 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.86 |
| | 1000 Hz | 96.10 | 0.00 | | 69.85 | 3.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.05 |
| | 2000 Hz | 90.70 | 0.00 | | 69.85 | 8.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.39 |
| | 4000 Hz | 83.90 | 0.00 | | 69.85 | 28.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.65 |
| | 8000 Hz | 75.80 | 0.00 | | 69.85 | 102.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.43 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 75.12 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.89 |
| | 125 Hz | 108.80 | 0.00 | | 75.12 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.02 |
| | 250 Hz | 106.10 | 0.00 | | 75.12 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 500 Hz | 102.40 | 0.00 | | 75.12 | 3.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.19 |
| | 1000 Hz | 98.10 | 0.00 | | 75.12 | 5.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.11 |
| | 2000 Hz | 92.80 | 0.00 | | 75.12 | 15.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.16 |
| | 4000 Hz | 85.90 | 0.00 | | 75.12 | 52.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.87 |
| | 8000 Hz | 77.90 | 0.00 | | 75.12 | 187.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -182.01 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 77.35 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.50 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 110.70 | 0.00 | | 77.35 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.50 |
| | 250 Hz | 108.00 | 0.00 | | 77.35 | 2.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.49 |
| | 500 Hz | 104.50 | 0.00 | | 77.35 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.15 |
| | 1000 Hz | 100.10 | 0.00 | | 77.35 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.16 |
| | 2000 Hz | 94.80 | 0.00 | | 77.35 | 20.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 |
| | 4000 Hz | 87.90 | 0.00 | | 77.35 | 68.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.51 |
| | 8000 Hz | 79.90 | 0.00 | | 77.35 | 242.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -237.19 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 78.68 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.33 |
| | 125 Hz | 110.90 | 0.00 | | 78.68 | 0.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.23 |
| | 250 Hz | 108.10 | 0.00 | | 78.68 | 2.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.90 |
| | 500 Hz | 104.40 | 0.00 | | 78.68 | 4.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.06 |
| | 1000 Hz | 100.10 | 0.00 | | 78.68 | 8.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.57 |
| | 2000 Hz | 94.80 | 0.00 | | 78.68 | 23.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.27 |
| | 4000 Hz | 88.00 | 0.00 | | 78.68 | 79.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -67.01 |
| | 8000 Hz | 80.00 | 0.00 | | 78.68 | 282.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -278.63 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.36 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.42 |
| | 125 Hz | 110.70 | 0.00 | | 79.36 | 1.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.26 |
| | 250 Hz | 108.00 | 0.00 | | 79.36 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.91 |
| | 500 Hz | 104.50 | 0.00 | | 79.36 | 5.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.09 |
| | 1000 Hz | 100.10 | 0.00 | | 79.36 | 9.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.16 |
| | 2000 Hz | 94.80 | 0.00 | | 79.36 | 25.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.86 |
| | 4000 Hz | 87.90 | 0.00 | | 79.36 | 85.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -74.27 |
| | 8000 Hz | 79.90 | 0.00 | | 79.36 | 306.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -302.52 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 79.92 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.04 |
| | 125 Hz | 110.90 | 0.00 | | 79.92 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.83 |
| | 250 Hz | 108.10 | 0.00 | | 79.92 | 2.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.26 |
| | 500 Hz | 104.40 | 0.00 | | 79.92 | 5.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.09 |
| | 1000 Hz | 100.10 | 0.00 | | 79.92 | 10.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.96 |
| | 2000 Hz | 94.80 | 0.00 | | 79.92 | 27.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.12 |
| | 4000 Hz | 88.00 | 0.00 | | 79.92 | 91.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -80.48 |
| | 8000 Hz | 80.00 | 0.00 | | 79.92 | 326.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -323.46 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 81.19 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.52 |
| | 125 Hz | 110.70 | 0.00 | | 81.19 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.18 |
| | 250 Hz | 108.00 | 0.00 | | 81.19 | 3.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.44 |
| | 500 Hz | 104.50 | 0.00 | | 81.19 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.08 |
| | 1000 Hz | 100.10 | 0.00 | | 81.19 | 11.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.09 |
| | 2000 Hz | 94.80 | 0.00 | | 81.19 | 31.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.62 |
| | 4000 Hz | 87.90 | 0.00 | | 81.19 | 105.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -96.21 |
| | 8000 Hz | 79.90 | 0.00 | | 81.19 | 377.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -376.07 |

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| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) |
| IPkt030 | IP AB | 381890.09 | | 5776014.09 | | 73.321 | | 40.51 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 87.33 | 12.62 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | -4.70 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 73.25 | 2.49 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 17.57 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 78.57 | 4.60 | 4.73 | 0.00 | 0.00 | 0.04 | 0.00 | 10.07 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 65.51 | 1.02 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | -67.02 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|-------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 80.21 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.63 |
| | 125 Hz | 102.50 | 0.00 | | 80.21 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.10 |
| | 250 Hz | 99.20 | 0.00 | | 80.21 | 3.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.97 |
| | 500 Hz | 96.00 | 0.00 | | 80.21 | 5.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.22 |
| | 1000 Hz | 92.30 | 0.00 | | 80.21 | 10.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.52 |
| | 2000 Hz | 89.10 | 0.00 | | 80.21 | 27.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.04 |
| | 4000 Hz | 85.30 | 0.00 | | 80.21 | 94.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.60 |

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|---------|----------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|--------|
| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 80.88 | 0.38 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 25.04 |
| | 125 Hz | 105.50 | 0.00 | | 80.88 | 1.28 | -3.00 | 0.00 | 0.00 | 2.82 | 0.00 | | 23.51 |
| | 250 Hz | 102.20 | 0.00 | | 80.88 | 3.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.06 |
| | 500 Hz | 99.00 | 0.00 | | 80.88 | 6.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.11 |
| | 1000 Hz | 95.30 | 0.00 | | 80.88 | 11.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.01 |
| | 2000 Hz | 92.10 | 0.00 | | 80.88 | 30.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.93 |
| | 4000 Hz | 88.30 | 0.00 | | 80.88 | 102.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.83 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.57 | 0.12 | -3.00 | 0.00 | 0.00 | 3.94 | 0.00 | | 36.77 |
| | 63 Hz | 116.40 | 0.00 | | 82.57 | 0.46 | -3.00 | 0.00 | 0.00 | 2.91 | 0.00 | | 33.46 |
| | 125 Hz | 110.70 | 0.00 | | 82.57 | 1.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.58 |
| | 250 Hz | 104.40 | 0.00 | | 82.57 | 3.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.88 |
| | 500 Hz | 101.20 | 0.00 | | 82.57 | 7.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.33 |
| | 1000 Hz | 99.40 | 0.00 | | 82.57 | 13.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.98 |
| | 2000 Hz | 93.80 | 0.00 | | 82.57 | 36.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.38 |
| | 4000 Hz | 86.70 | 0.00 | | 82.57 | 124.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.01 |
| | 8000 Hz | 78.40 | 0.00 | | 82.57 | 442.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -443.95 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 76.83 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.51 |
| | 63 Hz | 116.40 | 0.00 | | 76.83 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.33 |
| | 125 Hz | 110.70 | 0.00 | | 76.83 | 0.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.07 |
| | 250 Hz | 104.40 | 0.00 | | 76.83 | 2.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.53 |
| | 500 Hz | 101.20 | 0.00 | | 76.83 | 3.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.60 |
| | 1000 Hz | 99.40 | 0.00 | | 76.83 | 7.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.41 |
| | 2000 Hz | 93.80 | 0.00 | | 76.83 | 18.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.06 |
| | 4000 Hz | 86.70 | 0.00 | | 76.83 | 64.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -51.26 |
| | 8000 Hz | 78.40 | 0.00 | | 76.83 | 228.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -224.15 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.80 | 0.11 | -3.00 | 0.00 | 0.00 | 3.91 | 0.00 | | 37.58 |
| | 63 Hz | 116.40 | 0.00 | | 81.80 | 0.42 | -3.00 | 0.00 | 0.00 | 2.84 | 0.00 | | 34.34 |
| | 125 Hz | 110.70 | 0.00 | | 81.80 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.48 |
| | 250 Hz | 104.40 | 0.00 | | 81.80 | 3.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.99 |
| | 500 Hz | 101.20 | 0.00 | | 81.80 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.72 |
| | 1000 Hz | 99.40 | 0.00 | | 81.80 | 12.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.93 |
| | 2000 Hz | 93.80 | 0.00 | | 81.80 | 33.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.49 |
| | 4000 Hz | 86.70 | 0.00 | | 81.80 | 113.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.68 |
| | 8000 Hz | 78.40 | 0.00 | | 81.80 | 405.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -405.53 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.40 | 0.12 | -3.00 | 0.00 | 0.00 | 4.33 | 0.00 | | 36.55 |
| | 63 Hz | 116.40 | 0.00 | | 82.40 | 0.45 | -3.00 | 0.00 | 0.00 | 3.84 | 0.00 | | 32.71 |
| | 125 Hz | 110.70 | 0.00 | | 82.40 | 1.53 | -3.00 | 0.00 | 0.00 | 2.67 | 0.00 | | 27.10 |
| | 250 Hz | 104.40 | 0.00 | | 82.40 | 3.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.12 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.20 | 0.00 | | 82.40 | 7.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.64 |
| | 1000 Hz | 99.40 | 0.00 | | 82.40 | 13.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.41 |
| | 2000 Hz | 93.80 | 0.00 | | 82.40 | 35.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.51 |
| | 4000 Hz | 86.70 | 0.00 | | 82.40 | 121.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.47 |
| | 8000 Hz | 78.40 | 0.00 | | 82.40 | 434.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -435.30 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.08 | 0.09 | -3.00 | 0.00 | 0.00 | 1.99 | 0.00 | | 41.24 |
| | 63 Hz | 116.40 | 0.00 | | 80.08 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.98 |
| | 125 Hz | 110.70 | 0.00 | | 80.08 | 1.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.45 |
| | 250 Hz | 104.40 | 0.00 | | 80.08 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.36 |
| | 500 Hz | 101.20 | 0.00 | | 80.08 | 5.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.64 |
| | 1000 Hz | 99.40 | 0.00 | | 80.08 | 10.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.92 |
| | 2000 Hz | 93.80 | 0.00 | | 80.08 | 27.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.76 |
| | 4000 Hz | 86.70 | 0.00 | | 80.08 | 93.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.58 |
| | 8000 Hz | 78.40 | 0.00 | | 80.08 | 332.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -331.11 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.47 | 0.10 | -3.00 | 0.00 | 0.00 | 1.64 | 0.00 | | 41.20 |
| | 63 Hz | 116.40 | 0.00 | | 80.47 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.57 |
| | 125 Hz | 110.70 | 0.00 | | 80.47 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.01 |
| | 250 Hz | 104.40 | 0.00 | | 80.47 | 3.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.83 |
| | 500 Hz | 101.20 | 0.00 | | 80.47 | 5.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.00 |
| | 1000 Hz | 99.40 | 0.00 | | 80.47 | 10.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.05 |
| | 2000 Hz | 93.80 | 0.00 | | 80.47 | 28.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.42 |
| | 4000 Hz | 86.70 | 0.00 | | 80.47 | 97.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.27 |
| | 8000 Hz | 78.40 | 0.00 | | 80.47 | 347.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -346.83 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.76 | 0.11 | -3.00 | 0.00 | 0.00 | 3.02 | 0.00 | | 38.51 |
| | 63 Hz | 116.40 | 0.00 | | 81.76 | 0.42 | -3.00 | 0.00 | 0.00 | 0.05 | 0.00 | | 37.18 |
| | 125 Hz | 110.70 | 0.00 | | 81.76 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.52 |
| | 250 Hz | 104.40 | 0.00 | | 81.76 | 3.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.04 |
| | 500 Hz | 101.20 | 0.00 | | 81.76 | 6.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.79 |
| | 1000 Hz | 99.40 | 0.00 | | 81.76 | 12.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.02 |
| | 2000 Hz | 93.80 | 0.00 | | 81.76 | 33.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.31 |
| | 4000 Hz | 86.70 | 0.00 | | 81.76 | 113.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.16 |
| | 8000 Hz | 78.40 | 0.00 | | 81.76 | 403.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -403.74 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.38 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.93 |
| | 63 Hz | 116.40 | 0.00 | | 80.38 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.66 |
| | 125 Hz | 110.70 | 0.00 | | 80.38 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.11 |
| | 250 Hz | 104.40 | 0.00 | | 80.38 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.95 |
| | 500 Hz | 101.20 | 0.00 | | 80.38 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.14 |
| | 1000 Hz | 99.40 | 0.00 | | 80.38 | 10.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.25 |
| | 2000 Hz | 93.80 | 0.00 | | 80.38 | 28.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.04 |
| | 4000 Hz | 86.70 | 0.00 | | 80.38 | 96.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.19 |
| | 8000 Hz | 78.40 | 0.00 | | 80.38 | 344.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -343.19 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 79.93 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.08 |
| | 63 Hz | 113.10 | 0.00 | | 79.93 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.83 |
| | 125 Hz | 107.40 | 0.00 | | 79.93 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.32 |
| | 250 Hz | 101.10 | 0.00 | | 79.93 | 2.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.26 |
| | 500 Hz | 97.90 | 0.00 | | 79.93 | 5.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.58 |
| | 1000 Hz | 96.10 | 0.00 | | 79.93 | 10.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.95 |
| | 2000 Hz | 90.50 | 0.00 | | 79.93 | 27.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.44 |
| | 4000 Hz | 83.40 | 0.00 | | 79.93 | 91.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.15 |
| | 8000 Hz | 75.10 | 0.00 | | 79.93 | 326.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -328.60 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | | LFT |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | | /dB |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.12 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 42.18 |
| | 63 Hz | 116.40 | 0.00 | | 81.12 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 37.89 |
| | 125 Hz | 110.70 | 0.00 | | 81.12 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 31.27 |
| | 250 Hz | 104.40 | 0.00 | | 81.12 | 3.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 22.94 |
| | 500 Hz | 101.20 | 0.00 | | 81.12 | 6.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 16.91 |
| | 1000 Hz | 99.40 | 0.00 | | 81.12 | 11.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 9.56 |
| | 2000 Hz | 93.80 | 0.00 | | 81.12 | 30.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -15.29 |
| | 4000 Hz | 86.70 | 0.00 | | 81.12 | 105.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -96.45 |
| | 8000 Hz | 78.40 | 0.00 | | 81.12 | 374.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -374.34 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.22 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 41.06 |
| | 63 Hz | 116.40 | 0.00 | | 82.22 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 36.74 |
| | 125 Hz | 110.70 | 0.00 | | 82.22 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 29.98 |
| | 250 Hz | 104.40 | 0.00 | | 82.22 | 3.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 21.38 |
| | 500 Hz | 101.20 | 0.00 | | 82.22 | 7.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 14.96 |
| | 1000 Hz | 99.40 | 0.00 | | 82.22 | 13.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 6.87 |
| | 2000 Hz | 93.80 | 0.00 | | 82.22 | 35.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -20.60 |
| | 4000 Hz | 86.70 | 0.00 | | 82.22 | 119.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -111.82 |
| | 8000 Hz | 78.40 | 0.00 | | 82.22 | 425.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -426.32 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 87.83 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 23.03 |
| | 125 Hz | 104.80 | 0.00 | | 87.83 | 2.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 17.12 |
| | 250 Hz | 101.50 | 0.00 | | 87.83 | 7.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 9.43 |
| | 500 Hz | 97.10 | 0.00 | | 87.83 | 13.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -1.10 |
| | 1000 Hz | 91.00 | 0.00 | | 87.83 | 25.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -19.21 |
| | 2000 Hz | 86.30 | 0.00 | | 87.83 | 67.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -65.59 |
| | 4000 Hz | 80.30 | 0.00 | | 87.83 | 227.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -231.97 |
| | 8000 Hz | 74.00 | 0.00 | | 87.83 | 811.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -822.02 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.18 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 29.59 |
| | 63 Hz | 113.00 | 0.00 | | 88.18 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 26.94 |
| | 125 Hz | 108.60 | 0.00 | | 88.18 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 20.44 |
| | 250 Hz | 105.70 | 0.00 | | 88.18 | 7.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 12.97 |
| | 500 Hz | 101.70 | 0.00 | | 88.18 | 13.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 2.58 |
| | 1000 Hz | 95.50 | 0.00 | | 88.18 | 26.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -16.13 |
| | 2000 Hz | 89.70 | 0.00 | | 88.18 | 69.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -65.37 |
| | 4000 Hz | 82.20 | 0.00 | | 88.18 | 237.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -239.98 |
| | 8000 Hz | 74.00 | 0.00 | | 88.18 | 845.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -856.47 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.16 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 29.61 |
| | 63 Hz | 113.00 | 0.00 | | 88.16 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 26.96 |
| | 125 Hz | 108.60 | 0.00 | | 88.16 | 2.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 20.48 |
| | 250 Hz | 105.70 | 0.00 | | 88.16 | 7.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 13.02 |
| | 500 Hz | 101.70 | 0.00 | | 88.16 | 13.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 2.64 |
| | 1000 Hz | 95.50 | 0.00 | | 88.16 | 26.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -16.04 |
| | 2000 Hz | 89.70 | 0.00 | | 88.16 | 69.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -65.16 |
| | 4000 Hz | 82.20 | 0.00 | | 88.16 | 236.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -239.32 |
| | 8000 Hz | 74.00 | 0.00 | | 88.16 | 843.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | -854.18 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 86.87 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 30.83 |
| | 63 Hz | 111.30 | 0.00 | | 86.87 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 26.67 |
| | 125 Hz | 107.40 | 0.00 | | 86.87 | 2.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 20.98 |
| | 250 Hz | 102.80 | 0.00 | | 86.87 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 12.44 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 99.70 | 0.00 | | 86.87 | 11.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.85 |
| | 1000 Hz | 96.60 | 0.00 | | 86.87 | 22.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.01 |
| | 2000 Hz | 91.70 | 0.00 | | 86.87 | 60.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -52.25 |
| | 4000 Hz | 85.00 | 0.00 | | 86.87 | 203.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -202.61 |
| | 8000 Hz | 87.30 | 0.00 | | 86.87 | 726.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -723.25 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 88.21 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.81 |
| | 125 Hz | 108.60 | 0.00 | | 88.21 | 2.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.41 |
| | 250 Hz | 103.40 | 0.00 | | 88.21 | 7.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.62 |
| | 500 Hz | 99.10 | 0.00 | | 88.21 | 13.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.09 |
| | 1000 Hz | 98.00 | 0.00 | | 88.21 | 26.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.74 |
| | 2000 Hz | 89.80 | 0.00 | | 88.21 | 70.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.52 |
| | 4000 Hz | 85.30 | 0.00 | | 88.21 | 237.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -237.66 |
| | 8000 Hz | 80.10 | 0.00 | | 88.21 | 847.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -853.07 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 88.04 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.33 |
| | 63 Hz | 112.30 | 0.00 | | 88.04 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.39 |
| | 125 Hz | 108.10 | 0.00 | | 88.04 | 2.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.14 |
| | 250 Hz | 103.50 | 0.00 | | 88.04 | 7.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.04 |
| | 500 Hz | 100.70 | 0.00 | | 88.04 | 13.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.95 |
| | 1000 Hz | 98.30 | 0.00 | | 88.04 | 26.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.76 |
| | 2000 Hz | 93.80 | 0.00 | | 88.04 | 68.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.00 |
| | 4000 Hz | 86.20 | 0.00 | | 88.04 | 233.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -232.00 |
| | 8000 Hz | 78.20 | 0.00 | | 88.04 | 831.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -838.42 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 87.81 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.56 |
| | 63 Hz | 111.70 | 0.00 | | 87.81 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.04 |
| | 125 Hz | 106.40 | 0.00 | | 87.81 | 2.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.74 |
| | 250 Hz | 102.10 | 0.00 | | 87.81 | 7.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.06 |
| | 500 Hz | 99.10 | 0.00 | | 87.81 | 13.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.93 |
| | 1000 Hz | 96.90 | 0.00 | | 87.81 | 25.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.26 |
| | 2000 Hz | 90.50 | 0.00 | | 87.81 | 66.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.29 |
| | 4000 Hz | 81.00 | 0.00 | | 87.81 | 227.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -230.95 |
| | 8000 Hz | 76.50 | 0.00 | | 87.81 | 810.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -818.43 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 88.45 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.81 |
| | 63 Hz | 110.40 | 0.00 | | 88.45 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.04 |
| | 125 Hz | 107.20 | 0.00 | | 88.45 | 3.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.69 |
| | 250 Hz | 101.70 | 0.00 | | 88.45 | 7.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.47 |
| | 500 Hz | 98.20 | 0.00 | | 88.45 | 14.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.62 |
| | 1000 Hz | 95.60 | 0.00 | | 88.45 | 27.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.12 |
| | 2000 Hz | 93.70 | 0.00 | | 88.45 | 72.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.81 |
| | 4000 Hz | 90.70 | 0.00 | | 88.45 | 244.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -239.10 |
| | 8000 Hz | 79.50 | 0.00 | | 88.45 | 871.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -877.48 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.86 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.81 |
| | 63 Hz | 111.60 | 0.00 | | 82.86 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.26 |
| | 125 Hz | 108.60 | 0.00 | | 82.86 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.13 |
| | 250 Hz | 106.50 | 0.00 | | 82.86 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.55 |
| | 500 Hz | 102.90 | 0.00 | | 82.86 | 7.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.48 |
| | 1000 Hz | 99.60 | 0.00 | | 82.86 | 14.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.40 |
| | 2000 Hz | 95.90 | 0.00 | | 82.86 | 37.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.84 |
| | 4000 Hz | 90.10 | 0.00 | | 82.86 | 128.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -118.21 |
| | 8000 Hz | 76.30 | 0.00 | | 82.86 | 458.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -461.68 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.67 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.00 |
| | 63 Hz | 111.60 | 0.00 | | 82.67 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.46 |
| | 125 Hz | 108.60 | 0.00 | | 82.67 | 1.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.35 |
| | 250 Hz | 106.50 | 0.00 | | 82.67 | 4.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.83 |
| | 500 Hz | 102.90 | 0.00 | | 82.67 | 7.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.83 |
| | 1000 Hz | 99.60 | 0.00 | | 82.67 | 14.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.90 |
| | 2000 Hz | 95.90 | 0.00 | | 82.67 | 37.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.84 |
| | 4000 Hz | 90.10 | 0.00 | | 82.67 | 125.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.26 |
| | 8000 Hz | 76.30 | 0.00 | | 82.67 | 448.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -451.64 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.98 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.71 |
| | 63 Hz | 111.60 | 0.00 | | 81.98 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.19 |
| | 125 Hz | 108.60 | 0.00 | | 81.98 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.16 |
| | 250 Hz | 106.50 | 0.00 | | 81.98 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.83 |
| | 500 Hz | 102.90 | 0.00 | | 81.98 | 6.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.09 |
| | 1000 Hz | 99.60 | 0.00 | | 81.98 | 12.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.67 |
| | 2000 Hz | 95.90 | 0.00 | | 81.98 | 34.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.30 |
| | 4000 Hz | 90.10 | 0.00 | | 81.98 | 116.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.92 |
| | 8000 Hz | 76.30 | 0.00 | | 81.98 | 413.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -416.56 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.30 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.39 |
| | 63 Hz | 111.60 | 0.00 | | 81.30 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.90 |
| | 125 Hz | 108.60 | 0.00 | | 81.30 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.95 |
| | 250 Hz | 106.50 | 0.00 | | 81.30 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 500 Hz | 102.90 | 0.00 | | 81.30 | 6.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.28 |
| | 1000 Hz | 99.60 | 0.00 | | 81.30 | 11.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.32 |
| | 2000 Hz | 95.90 | 0.00 | | 81.30 | 31.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.06 |
| | 4000 Hz | 90.10 | 0.00 | | 81.30 | 107.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.55 |
| | 8000 Hz | 76.30 | 0.00 | | 81.30 | 382.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -384.87 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.88 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.82 |
| | 63 Hz | 111.60 | 0.00 | | 80.88 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.34 |
| | 125 Hz | 108.60 | 0.00 | | 80.88 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.44 |
| | 250 Hz | 106.50 | 0.00 | | 80.88 | 3.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.37 |
| | 500 Hz | 102.90 | 0.00 | | 80.88 | 6.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.01 |
| | 1000 Hz | 99.60 | 0.00 | | 80.88 | 11.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.32 |
| | 2000 Hz | 95.90 | 0.00 | | 80.88 | 30.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.11 |
| | 4000 Hz | 90.10 | 0.00 | | 80.88 | 102.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -89.96 |
| | 8000 Hz | 76.30 | 0.00 | | 80.88 | 364.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -366.02 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.39 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.31 |
| | 63 Hz | 111.60 | 0.00 | | 80.39 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.85 |
| | 125 Hz | 108.60 | 0.00 | | 80.39 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.00 |
| | 250 Hz | 106.50 | 0.00 | | 80.39 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.03 |
| | 500 Hz | 102.90 | 0.00 | | 80.39 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.82 |
| | 1000 Hz | 99.60 | 0.00 | | 80.39 | 10.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.42 |
| | 2000 Hz | 95.90 | 0.00 | | 80.39 | 28.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.99 |
| | 4000 Hz | 90.10 | 0.00 | | 80.39 | 96.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -83.94 |
| | 8000 Hz | 76.30 | 0.00 | | 80.39 | 344.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -345.79 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.20 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.52 |
| | 63 Hz | 111.60 | 0.00 | | 79.20 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.09 |
| | 125 Hz | 108.60 | 0.00 | | 79.20 | 1.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.34 |
| | 250 Hz | 106.50 | 0.00 | | 79.20 | 2.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.62 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.90 | 0.00 | | 79.20 | 4.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.74 |
| | 1000 Hz | 99.60 | 0.00 | | 79.20 | 9.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.00 |
| | 2000 Hz | 95.90 | 0.00 | | 79.20 | 24.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.15 |
| | 4000 Hz | 90.10 | 0.00 | | 79.20 | 84.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.36 |
| | 8000 Hz | 76.30 | 0.00 | | 79.20 | 300.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -300.43 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.34 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.38 |
| | 63 Hz | 111.60 | 0.00 | | 79.34 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.94 |
| | 125 Hz | 108.60 | 0.00 | | 79.34 | 1.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.19 |
| | 250 Hz | 106.50 | 0.00 | | 79.34 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.44 |
| | 500 Hz | 102.90 | 0.00 | | 79.34 | 5.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.53 |
| | 1000 Hz | 99.60 | 0.00 | | 79.34 | 9.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.71 |
| | 2000 Hz | 95.90 | 0.00 | | 79.34 | 25.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.68 |
| | 4000 Hz | 90.10 | 0.00 | | 79.34 | 85.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.85 |
| | 8000 Hz | 76.30 | 0.00 | | 79.34 | 305.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -305.38 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 82.75 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.32 |
| | 125 Hz | 5.20 | 0.00 | | 82.75 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.14 |
| | 250 Hz | 1.90 | 0.00 | | 82.75 | 4.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.89 |
| | 500 Hz | -1.30 | 0.00 | | 82.75 | 7.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.51 |
| | 1000 Hz | -5.00 | 0.00 | | 82.75 | 14.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.91 |
| | 2000 Hz | -8.20 | 0.00 | | 82.75 | 37.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.35 |
| | 4000 Hz | -12.00 | 0.00 | | 82.75 | 126.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -218.58 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 77.47 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.48 |
| | 125 Hz | 106.50 | 0.00 | | 77.47 | 0.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.17 |
| | 250 Hz | 103.20 | 0.00 | | 77.47 | 2.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.54 |
| | 500 Hz | 100.00 | 0.00 | | 77.47 | 4.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.48 |
| | 1000 Hz | 96.30 | 0.00 | | 77.47 | 7.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.14 |
| | 2000 Hz | 93.10 | 0.00 | | 77.47 | 20.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.71 |
| | 4000 Hz | 89.30 | 0.00 | | 77.47 | 69.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.16 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.39 | 0.12 | -3.00 | 0.00 | 0.00 | 4.75 | 0.00 | | 30.55 |
| | 63 Hz | 110.90 | 0.00 | | 82.39 | 0.45 | -3.00 | 0.00 | 0.00 | 4.72 | 0.00 | | 26.34 |
| | 125 Hz | 108.00 | 0.00 | | 82.39 | 1.52 | -3.00 | 0.00 | 0.00 | 4.68 | 0.00 | | 22.41 |
| | 250 Hz | 103.80 | 0.00 | | 82.39 | 3.87 | -3.00 | 0.00 | 0.00 | 4.58 | 0.00 | | 15.97 |
| | 500 Hz | 101.90 | 0.00 | | 82.39 | 7.15 | -3.00 | 0.00 | 0.00 | 4.38 | 0.00 | | 10.99 |
| | 1000 Hz | 98.90 | 0.00 | | 82.39 | 13.57 | -3.00 | 0.00 | 0.00 | 3.94 | 0.00 | | 2.01 |
| | 2000 Hz | 94.60 | 0.00 | | 82.39 | 35.85 | -3.00 | 0.00 | 0.00 | 2.91 | 0.00 | | -23.55 |
| | 4000 Hz | 88.20 | 0.00 | | 82.39 | 121.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.76 |
| | 8000 Hz | 78.80 | 0.00 | | 82.39 | 433.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -434.20 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.05 | 0.10 | -3.00 | 0.00 | 0.00 | 4.44 | 0.00 | | 32.20 |
| | 63 Hz | 110.90 | 0.00 | | 81.05 | 0.39 | -3.00 | 0.00 | 0.00 | 4.09 | 0.00 | | 28.37 |
| | 125 Hz | 108.00 | 0.00 | | 81.05 | 1.31 | -3.00 | 0.00 | 0.00 | 3.29 | 0.00 | | 25.35 |
| | 250 Hz | 103.80 | 0.00 | | 81.05 | 3.32 | -3.00 | 0.00 | 0.00 | 1.02 | 0.00 | | 21.41 |
| | 500 Hz | 101.90 | 0.00 | | 81.05 | 6.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.71 |
| | 1000 Hz | 98.90 | 0.00 | | 81.05 | 11.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.21 |
| | 2000 Hz | 94.60 | 0.00 | | 81.05 | 30.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.20 |
| | 4000 Hz | 88.20 | 0.00 | | 81.05 | 104.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.13 |
| | 8000 Hz | 78.80 | 0.00 | | 81.05 | 371.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -371.19 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.53 | 0.11 | -3.00 | 0.00 | 0.00 | 4.32 | 0.00 | | 31.85 |
| | 63 Hz | 110.90 | 0.00 | | 81.53 | 0.41 | -3.00 | 0.00 | 0.00 | 3.81 | 0.00 | | 28.16 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 125 Hz | 108.00 | 0.00 | | 81.53 | 1.38 | -3.00 | 0.00 | 0.00 | 2.59 | 0.00 | | 25.50 |
| | 250 Hz | 103.80 | 0.00 | | 81.53 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.77 |
| | 500 Hz | 101.90 | 0.00 | | 81.53 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.90 |
| | 1000 Hz | 98.90 | 0.00 | | 81.53 | 12.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.08 |
| | 2000 Hz | 94.60 | 0.00 | | 81.53 | 32.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.40 |
| | 4000 Hz | 88.20 | 0.00 | | 81.53 | 110.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -100.46 |
| | 8000 Hz | 78.80 | 0.00 | | 81.53 | 392.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -392.52 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.01 | 0.09 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 34.07 |
| | 63 Hz | 110.90 | 0.00 | | 80.01 | 0.34 | -3.00 | 0.00 | 0.00 | 2.07 | 0.00 | | 31.47 |
| | 125 Hz | 108.00 | 0.00 | | 80.01 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.83 |
| | 250 Hz | 103.80 | 0.00 | | 80.01 | 2.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.84 |
| | 500 Hz | 101.90 | 0.00 | | 80.01 | 5.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.45 |
| | 1000 Hz | 98.90 | 0.00 | | 80.01 | 10.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.56 |
| | 2000 Hz | 94.60 | 0.00 | | 80.01 | 27.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.69 |
| | 4000 Hz | 88.20 | 0.00 | | 80.01 | 92.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.32 |
| | 8000 Hz | 78.80 | 0.00 | | 80.01 | 329.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -328.16 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 77.39 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.74 |
| | 63 Hz | 122.10 | 0.00 | | 77.39 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 47.45 |
| | 125 Hz | 115.00 | 0.00 | | 77.39 | 0.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.75 |
| | 250 Hz | 108.00 | 0.00 | | 77.39 | 2.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.43 |
| | 500 Hz | 103.90 | 0.00 | | 77.39 | 4.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.48 |
| | 1000 Hz | 101.60 | 0.00 | | 77.39 | 7.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.57 |
| | 2000 Hz | 96.70 | 0.00 | | 77.39 | 20.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.13 |
| | 4000 Hz | 88.60 | 0.00 | | 77.39 | 68.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.21 |
| | 8000 Hz | 80.90 | 0.00 | | 77.39 | 244.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -237.53 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 78.36 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.85 |
| | 125 Hz | 109.80 | 0.00 | | 78.36 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.48 |
| | 250 Hz | 107.40 | 0.00 | | 78.36 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.60 |
| | 500 Hz | 101.60 | 0.00 | | 78.36 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.74 |
| | 1000 Hz | 94.50 | 0.00 | | 78.36 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.60 |
| | 2000 Hz | 88.00 | 0.00 | | 78.36 | 22.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.92 |
| | 4000 Hz | 85.30 | 0.00 | | 78.36 | 76.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.56 |
| | 8000 Hz | 79.90 | 0.00 | | 78.36 | 272.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -268.30 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.32 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.00 |
| | 125 Hz | 110.80 | 0.00 | | 78.32 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.53 |
| | 250 Hz | 105.10 | 0.00 | | 78.32 | 2.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.36 |
| | 500 Hz | 102.60 | 0.00 | | 78.32 | 4.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.81 |
| | 1000 Hz | 99.60 | 0.00 | | 78.32 | 8.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.79 |
| | 2000 Hz | 93.10 | 0.00 | | 78.32 | 22.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.66 |
| | 4000 Hz | 80.70 | 0.00 | | 78.32 | 76.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.73 |
| | 8000 Hz | 77.00 | 0.00 | | 78.32 | 271.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -269.77 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.36 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.95 |
| | 125 Hz | 110.80 | 0.00 | | 78.36 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.48 |
| | 250 Hz | 105.10 | 0.00 | | 78.36 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.30 |
| | 500 Hz | 102.60 | 0.00 | | 78.36 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.74 |
| | 1000 Hz | 99.60 | 0.00 | | 78.36 | 8.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.70 |
| | 2000 Hz | 93.10 | 0.00 | | 78.36 | 22.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.83 |
| | 4000 Hz | 80.70 | 0.00 | | 78.36 | 76.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.18 |
| | 8000 Hz | 77.00 | 0.00 | | 78.36 | 272.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -271.26 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 78.35 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.96 |
| | 125 Hz | 110.80 | 0.00 | | 78.35 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.49 |
| | 250 Hz | 105.10 | 0.00 | | 78.35 | 2.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.31 |
| | 500 Hz | 102.60 | 0.00 | | 78.35 | 4.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.75 |
| | 1000 Hz | 99.60 | 0.00 | | 78.35 | 8.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.72 |
| | 2000 Hz | 93.10 | 0.00 | | 78.35 | 22.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.79 |
| | 4000 Hz | 80.70 | 0.00 | | 78.35 | 76.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.07 |
| | 8000 Hz | 77.00 | 0.00 | | 78.35 | 272.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -270.92 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 78.45 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.66 |
| | 125 Hz | 104.80 | 0.00 | | 78.45 | 0.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.38 |
| | 250 Hz | 99.40 | 0.00 | | 78.45 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.49 |
| | 500 Hz | 95.00 | 0.00 | | 78.45 | 4.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.01 |
| | 1000 Hz | 93.20 | 0.00 | | 78.45 | 8.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.13 |
| | 2000 Hz | 89.10 | 0.00 | | 78.45 | 22.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.14 |
| | 4000 Hz | 83.90 | 0.00 | | 78.45 | 77.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.83 |
| | 8000 Hz | 82.20 | 0.00 | | 78.45 | 275.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -268.87 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.91 | 1.07 | -3.00 | 0.00 | 0.00 | 3.26 | 0.00 | | 24.06 |
| | 125 Hz | 111.00 | 0.00 | | 89.91 | 3.62 | -3.00 | 0.00 | 0.00 | 0.99 | 0.00 | | 19.48 |
| | 250 Hz | 106.60 | 0.00 | | 89.91 | 9.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.49 |
| | 500 Hz | 103.70 | 0.00 | | 89.91 | 17.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.20 |
| | 1000 Hz | 99.80 | 0.00 | | 89.91 | 32.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.36 |
| | 2000 Hz | 95.60 | 0.00 | | 89.91 | 85.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.53 |
| | 4000 Hz | 86.90 | 0.00 | | 89.91 | 289.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -289.00 |
| | 8000 Hz | 65.40 | 0.00 | | 89.91 | 1030.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1052.25 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.43 | 1.02 | -3.00 | 0.00 | 0.00 | 3.14 | 0.00 | | 24.72 |
| | 125 Hz | 111.00 | 0.00 | | 89.43 | 3.43 | -3.00 | 0.00 | 0.00 | 0.54 | 0.00 | | 20.61 |
| | 250 Hz | 106.60 | 0.00 | | 89.43 | 8.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.47 |
| | 500 Hz | 103.70 | 0.00 | | 89.43 | 16.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.19 |
| | 1000 Hz | 99.80 | 0.00 | | 89.43 | 30.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.14 |
| | 2000 Hz | 95.60 | 0.00 | | 89.43 | 80.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.46 |
| | 4000 Hz | 86.90 | 0.00 | | 89.43 | 273.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -272.95 |
| | 8000 Hz | 65.40 | 0.00 | | 89.43 | 975.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -996.24 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.44 | 0.91 | -3.00 | 0.00 | 0.00 | 2.92 | 0.00 | | 26.03 |
| | 125 Hz | 111.00 | 0.00 | | 88.44 | 3.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.50 |
| | 250 Hz | 106.60 | 0.00 | | 88.44 | 7.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.39 |
| | 500 Hz | 103.70 | 0.00 | | 88.44 | 14.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.90 |
| | 1000 Hz | 99.80 | 0.00 | | 88.44 | 27.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.89 |
| | 2000 Hz | 95.60 | 0.00 | | 88.44 | 71.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.83 |
| | 4000 Hz | 86.90 | 0.00 | | 88.44 | 244.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.67 |
| | 8000 Hz | 65.40 | 0.00 | | 88.44 | 870.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -890.78 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.33 | 0.89 | -3.00 | 0.00 | 0.00 | 2.92 | 0.00 | | 25.76 |
| | 125 Hz | 110.20 | 0.00 | | 88.33 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.85 |
| | 250 Hz | 105.30 | 0.00 | | 88.33 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.30 |
| | 500 Hz | 102.70 | 0.00 | | 88.33 | 14.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.20 |
| | 1000 Hz | 99.80 | 0.00 | | 88.33 | 26.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.41 |
| | 2000 Hz | 95.50 | 0.00 | | 88.33 | 71.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.88 |
| | 4000 Hz | 84.90 | 0.00 | | 88.33 | 240.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -241.37 |
| | 8000 Hz | 61.80 | 0.00 | | 88.33 | 859.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -882.87 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.31 | 0.89 | -3.00 | 0.00 | 0.00 | 2.94 | 0.00 | 25.75 |
| | 125 Hz | 110.20 | 0.00 | | 88.31 | 3.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.87 |
| | 250 Hz | 105.30 | 0.00 | | 88.31 | 7.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.33 |
| | 500 Hz | 102.70 | 0.00 | | 88.31 | 14.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 |
| | 1000 Hz | 99.80 | 0.00 | | 88.31 | 26.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.36 |
| | 2000 Hz | 95.50 | 0.00 | | 88.31 | 70.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -60.75 |
| | 4000 Hz | 84.90 | 0.00 | | 88.31 | 240.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -240.96 |
| | 8000 Hz | 61.80 | 0.00 | | 88.31 | 857.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -881.45 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.62 | 0.82 | -3.00 | 0.00 | 0.00 | 2.85 | 0.00 | 27.00 |
| | 125 Hz | 111.00 | 0.00 | | 87.62 | 2.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.59 |
| | 250 Hz | 106.60 | 0.00 | | 87.62 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.91 |
| | 500 Hz | 103.70 | 0.00 | | 87.62 | 13.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.01 |
| | 1000 Hz | 99.80 | 0.00 | | 87.62 | 24.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.61 |
| | 2000 Hz | 95.60 | 0.00 | | 87.62 | 65.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.53 |
| | 4000 Hz | 86.90 | 0.00 | | 87.62 | 222.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -219.88 |
| | 8000 Hz | 65.40 | 0.00 | | 87.62 | 792.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -811.57 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 87.60 | 0.82 | -3.00 | 0.00 | 0.00 | 2.88 | 0.00 | 27.00 |
| | 125 Hz | 111.00 | 0.00 | | 87.60 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.63 |
| | 250 Hz | 106.60 | 0.00 | | 87.60 | 7.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.95 |
| | 500 Hz | 103.70 | 0.00 | | 87.60 | 13.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.07 |
| | 1000 Hz | 99.80 | 0.00 | | 87.60 | 24.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.52 |
| | 2000 Hz | 95.60 | 0.00 | | 87.60 | 65.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -54.32 |
| | 4000 Hz | 86.90 | 0.00 | | 87.60 | 221.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -219.22 |
| | 8000 Hz | 65.40 | 0.00 | | 87.60 | 790.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -809.28 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 76.23 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.35 |
| | 125 Hz | 104.80 | 0.00 | | 76.23 | 0.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.82 |
| | 250 Hz | 101.20 | 0.00 | | 76.23 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.07 |
| | 500 Hz | 96.80 | 0.00 | | 76.23 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.05 |
| | 1000 Hz | 92.70 | 0.00 | | 76.23 | 6.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.79 |
| | 2000 Hz | 90.50 | 0.00 | | 76.23 | 17.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.37 |
| | 4000 Hz | 84.90 | 0.00 | | 76.23 | 59.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -48.17 |
| | 8000 Hz | 70.70 | 0.00 | | 76.23 | 213.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -215.95 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 72.56 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.50 |
| | 125 Hz | 106.90 | 0.00 | | 72.56 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.85 |
| | 250 Hz | 104.10 | 0.00 | | 72.56 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.29 |
| | 500 Hz | 100.40 | 0.00 | | 72.56 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.53 |
| | 1000 Hz | 96.10 | 0.00 | | 72.56 | 4.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.16 |
| | 2000 Hz | 90.70 | 0.00 | | 72.56 | 11.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.58 |
| | 4000 Hz | 83.90 | 0.00 | | 72.56 | 39.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.88 |
| | 8000 Hz | 75.80 | 0.00 | | 72.56 | 139.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.64 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 73.46 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.58 |
| | 125 Hz | 108.80 | 0.00 | | 73.46 | 0.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.79 |
| | 250 Hz | 106.10 | 0.00 | | 73.46 | 1.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.25 |
| | 500 Hz | 102.40 | 0.00 | | 73.46 | 2.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.38 |
| | 1000 Hz | 98.10 | 0.00 | | 73.46 | 4.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.78 |
| | 2000 Hz | 92.80 | 0.00 | | 73.46 | 12.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.50 |
| | 4000 Hz | 85.90 | 0.00 | | 73.46 | 43.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.08 |
| | 8000 Hz | 77.90 | 0.00 | | 73.46 | 155.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -147.79 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 69.93 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.16 |
| | 125 Hz | 106.90 | 0.00 | | 69.93 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.60 |
| | 250 Hz | 104.10 | 0.00 | | 69.93 | 0.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.24 |
| | 500 Hz | 100.40 | 0.00 | | 69.93 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 1000 Hz | 96.10 | 0.00 | | 69.93 | 3.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.93 |
| | 2000 Hz | 90.70 | 0.00 | | 69.93 | 8.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.22 |
| | 4000 Hz | 83.90 | 0.00 | | 69.93 | 28.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.02 |
| | 8000 Hz | 75.80 | 0.00 | | 69.93 | 103.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.53 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 76.12 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.86 |
| | 125 Hz | 108.80 | 0.00 | | 76.12 | 0.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.94 |
| | 250 Hz | 106.10 | 0.00 | | 76.12 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.10 |
| | 500 Hz | 102.40 | 0.00 | | 76.12 | 3.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.80 |
| | 1000 Hz | 98.10 | 0.00 | | 76.12 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.38 |
| | 2000 Hz | 92.80 | 0.00 | | 76.12 | 17.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.24 |
| | 4000 Hz | 85.90 | 0.00 | | 76.12 | 59.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.34 |
| | 8000 Hz | 77.90 | 0.00 | | 76.12 | 210.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -206.08 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 78.13 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.69 |
| | 125 Hz | 110.70 | 0.00 | | 78.13 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.64 |
| | 250 Hz | 108.00 | 0.00 | | 78.13 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.50 |
| | 500 Hz | 104.50 | 0.00 | | 78.13 | 4.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.99 |
| | 1000 Hz | 100.10 | 0.00 | | 78.13 | 8.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.66 |
| | 2000 Hz | 94.80 | 0.00 | | 78.13 | 21.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.29 |
| | 4000 Hz | 87.90 | 0.00 | | 78.13 | 74.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.71 |
| | 8000 Hz | 79.90 | 0.00 | | 78.13 | 265.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -260.88 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 79.38 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.60 |
| | 125 Hz | 110.90 | 0.00 | | 79.38 | 1.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.44 |
| | 250 Hz | 108.10 | 0.00 | | 79.38 | 2.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.98 |
| | 500 Hz | 104.40 | 0.00 | | 79.38 | 5.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.96 |
| | 1000 Hz | 100.10 | 0.00 | | 79.38 | 9.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.11 |
| | 2000 Hz | 94.80 | 0.00 | | 79.38 | 25.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.96 |
| | 4000 Hz | 88.00 | 0.00 | | 79.38 | 86.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.44 |
| | 8000 Hz | 80.00 | 0.00 | | 79.38 | 306.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -303.30 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.98 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.78 |
| | 125 Hz | 110.70 | 0.00 | | 79.98 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.56 |
| | 250 Hz | 108.00 | 0.00 | | 79.98 | 2.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.09 |
| | 500 Hz | 104.50 | 0.00 | | 79.98 | 5.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.10 |
| | 1000 Hz | 100.10 | 0.00 | | 79.98 | 10.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.83 |
| | 2000 Hz | 94.80 | 0.00 | | 79.98 | 27.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.36 |
| | 4000 Hz | 87.90 | 0.00 | | 79.98 | 92.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.25 |
| | 8000 Hz | 79.90 | 0.00 | | 79.98 | 328.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -325.81 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 80.55 | 0.37 | -3.00 | 0.00 | 0.00 | 2.34 | 0.00 | | 33.04 |
| | 125 Hz | 110.90 | 0.00 | | 80.55 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.12 |
| | 250 Hz | 108.10 | 0.00 | | 80.55 | 3.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.42 |
| | 500 Hz | 104.40 | 0.00 | | 80.55 | 5.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.06 |
| | 1000 Hz | 100.10 | 0.00 | | 80.55 | 10.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.57 |
| | 2000 Hz | 94.80 | 0.00 | | 80.55 | 29.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.77 |
| | 4000 Hz | 88.00 | 0.00 | | 80.55 | 98.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.98 |
| | 8000 Hz | 80.00 | 0.00 | | 80.55 | 351.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -348.60 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 81.73 | 0.42 | -3.00 | 0.00 | 0.00 | 2.82 | 0.00 | 31.13 |
| | 125 Hz | 110.70 | 0.00 | | 81.73 | 1.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.55 |
| | 250 Hz | 108.00 | 0.00 | | 81.73 | 3.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.68 |
| | 500 Hz | 104.50 | 0.00 | | 81.73 | 6.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.13 |
| | 1000 Hz | 100.10 | 0.00 | | 81.73 | 12.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.78 |
| | 2000 Hz | 94.80 | 0.00 | | 81.73 | 33.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.19 |
| | 4000 Hz | 87.90 | 0.00 | | 81.73 | 112.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -103.61 |
| | 8000 Hz | 79.90 | 0.00 | | 81.73 | 402.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -401.08 |

| IPKT | IPKT: Bezeichnung | IPKT: x /m | IPKT: y /m | IPKT: z /m | Lr(IP) /dB(A) |
|---------|-------------------|------------|------------|------------|---------------|
| IPkt031 | IP AC | 382332.65 | 5776199.65 | 69.289 | 40.20 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 87.70 | 13.16 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | -5.62 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 75.97 | 3.41 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | 13.90 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.14 | 5.51 | 4.71 | 0.00 | 0.00 | 0.06 | 0.00 | 7.59 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 66.34 | 1.13 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 | -67.97 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 80.70 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.13 |
| | 125 Hz | 102.50 | 0.00 | | 80.70 | 1.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.55 |
| | 250 Hz | 99.20 | 0.00 | | 80.70 | 3.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.32 |
| | 500 Hz | 96.00 | 0.00 | | 80.70 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.42 |
| | 1000 Hz | 92.30 | 0.00 | | 80.70 | 11.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 |
| | 2000 Hz | 89.10 | 0.00 | | 80.70 | 29.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.12 |
| | 4000 Hz | 85.30 | 0.00 | | 80.70 | 100.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -92.50 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.48 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.32 |
| | 125 Hz | 105.50 | 0.00 | | 81.48 | 1.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.65 |
| | 250 Hz | 102.20 | 0.00 | | 81.48 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.24 |
| | 500 Hz | 99.00 | 0.00 | | 81.48 | 6.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.08 |
| | 1000 Hz | 95.30 | 0.00 | | 81.48 | 12.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 |
| | 2000 Hz | 92.10 | 0.00 | | 81.48 | 32.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.67 |
| | 4000 Hz | 88.30 | 0.00 | | 81.48 | 109.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -99.70 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.00 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.27 |
| | 63 Hz | 116.40 | 0.00 | | 83.00 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.91 |
| | 125 Hz | 110.70 | 0.00 | | 83.00 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.06 |
| | 250 Hz | 104.40 | 0.00 | | 83.00 | 4.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.24 |
| | 500 Hz | 101.20 | 0.00 | | 83.00 | 7.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.52 |
| | 1000 Hz | 99.40 | 0.00 | | 83.00 | 14.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.84 |
| | 2000 Hz | 93.80 | 0.00 | | 83.00 | 38.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.69 |
| | 4000 Hz | 86.70 | 0.00 | | 83.00 | 130.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -123.81 |
| | 8000 Hz | 78.40 | 0.00 | | 83.00 | 465.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -467.07 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 78.44 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.89 |
| | 63 Hz | 116.40 | 0.00 | | 78.44 | 0.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.67 |
| | 125 Hz | 110.70 | 0.00 | | 78.44 | 0.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.29 |
| | 250 Hz | 104.40 | 0.00 | | 78.44 | 2.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.50 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.20 | 0.00 | | 78.44 | 4.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.22 |
| | 1000 Hz | 99.40 | 0.00 | | 78.44 | 8.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.35 |
| | 2000 Hz | 93.80 | 0.00 | | 78.44 | 22.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.40 |
| | 4000 Hz | 86.70 | 0.00 | | 78.44 | 77.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.92 |
| | 8000 Hz | 78.40 | 0.00 | | 78.44 | 275.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -272.33 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.42 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.86 |
| | 63 Hz | 116.40 | 0.00 | | 82.42 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.53 |
| | 125 Hz | 110.70 | 0.00 | | 82.42 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.75 |
| | 250 Hz | 104.40 | 0.00 | | 82.42 | 3.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.09 |
| | 500 Hz | 101.20 | 0.00 | | 82.42 | 7.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.60 |
| | 1000 Hz | 99.40 | 0.00 | | 82.42 | 13.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.36 |
| | 2000 Hz | 93.80 | 0.00 | | 82.42 | 35.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.61 |
| | 4000 Hz | 86.70 | 0.00 | | 82.42 | 122.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -114.78 |
| | 8000 Hz | 78.40 | 0.00 | | 82.42 | 435.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -436.37 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.94 | 0.13 | -3.00 | 0.00 | 0.00 | 2.03 | 0.00 | | 38.31 |
| | 63 Hz | 116.40 | 0.00 | | 82.94 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.98 |
| | 125 Hz | 110.70 | 0.00 | | 82.94 | 1.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.13 |
| | 250 Hz | 104.40 | 0.00 | | 82.94 | 4.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.33 |
| | 500 Hz | 101.20 | 0.00 | | 82.94 | 7.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.64 |
| | 1000 Hz | 99.40 | 0.00 | | 82.94 | 14.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.99 |
| | 2000 Hz | 93.80 | 0.00 | | 82.94 | 38.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.36 |
| | 4000 Hz | 86.70 | 0.00 | | 82.94 | 129.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.86 |
| | 8000 Hz | 78.40 | 0.00 | | 82.94 | 462.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -463.83 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.89 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.40 |
| | 63 Hz | 116.40 | 0.00 | | 80.89 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.12 |
| | 125 Hz | 110.70 | 0.00 | | 80.89 | 1.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.52 |
| | 250 Hz | 104.40 | 0.00 | | 80.89 | 3.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.25 |
| | 500 Hz | 101.20 | 0.00 | | 80.89 | 6.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.28 |
| | 1000 Hz | 99.40 | 0.00 | | 80.89 | 11.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.08 |
| | 2000 Hz | 93.80 | 0.00 | | 80.89 | 30.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.29 |
| | 4000 Hz | 86.70 | 0.00 | | 80.89 | 102.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.60 |
| | 8000 Hz | 78.40 | 0.00 | | 80.89 | 365.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -364.74 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.17 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.12 |
| | 63 Hz | 116.40 | 0.00 | | 81.17 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.83 |
| | 125 Hz | 110.70 | 0.00 | | 81.17 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.20 |
| | 250 Hz | 104.40 | 0.00 | | 81.17 | 3.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.86 |
| | 500 Hz | 101.20 | 0.00 | | 81.17 | 6.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.81 |
| | 1000 Hz | 99.40 | 0.00 | | 81.17 | 11.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.43 |
| | 2000 Hz | 93.80 | 0.00 | | 81.17 | 31.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.55 |
| | 4000 Hz | 86.70 | 0.00 | | 81.17 | 105.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -97.21 |
| | 8000 Hz | 78.40 | 0.00 | | 81.17 | 377.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -376.90 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.24 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.04 |
| | 63 Hz | 116.40 | 0.00 | | 82.24 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.71 |
| | 125 Hz | 110.70 | 0.00 | | 82.24 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.96 |
| | 250 Hz | 104.40 | 0.00 | | 82.24 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.35 |
| | 500 Hz | 101.20 | 0.00 | | 82.24 | 7.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.92 |
| | 1000 Hz | 99.40 | 0.00 | | 82.24 | 13.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.81 |
| | 2000 Hz | 93.80 | 0.00 | | 82.24 | 35.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.71 |
| | 4000 Hz | 86.70 | 0.00 | | 82.24 | 119.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.14 |
| | 8000 Hz | 78.40 | 0.00 | | 82.24 | 426.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -427.39 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|--|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 80.77 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.53 |
| | 63 Hz | 116.40 | 0.00 | | 80.77 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.25 |
| | 125 Hz | 110.70 | 0.00 | | 80.77 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.66 |
| | 250 Hz | 104.40 | 0.00 | | 80.77 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.41 |
| | 500 Hz | 101.20 | 0.00 | | 80.77 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.49 |
| | 1000 Hz | 99.40 | 0.00 | | 80.77 | 11.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.36 |
| | 2000 Hz | 93.80 | 0.00 | | 80.77 | 29.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.75 |
| | 4000 Hz | 86.70 | 0.00 | | 80.77 | 100.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.04 |
| | 8000 Hz | 78.40 | 0.00 | | 80.77 | 360.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -359.48 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 80.52 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.49 |
| | 63 Hz | 113.10 | 0.00 | | 80.52 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.22 |
| | 125 Hz | 107.40 | 0.00 | | 80.52 | 1.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.65 |
| | 250 Hz | 101.10 | 0.00 | | 80.52 | 3.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.46 |
| | 500 Hz | 97.90 | 0.00 | | 80.52 | 5.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.61 |
| | 1000 Hz | 96.10 | 0.00 | | 80.52 | 10.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.64 |
| | 2000 Hz | 90.50 | 0.00 | | 80.52 | 28.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.93 |
| | 4000 Hz | 83.40 | 0.00 | | 80.52 | 98.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.18 |
| | 8000 Hz | 75.10 | 0.00 | | 80.52 | 349.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -352.17 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.50 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.80 |
| | 63 Hz | 116.40 | 0.00 | | 81.50 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.50 |
| | 125 Hz | 110.70 | 0.00 | | 81.50 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.83 |
| | 250 Hz | 104.40 | 0.00 | | 81.50 | 3.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.41 |
| | 500 Hz | 101.20 | 0.00 | | 81.50 | 6.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.25 |
| | 1000 Hz | 99.40 | 0.00 | | 81.50 | 12.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.66 |
| | 2000 Hz | 93.80 | 0.00 | | 81.50 | 32.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.06 |
| | 4000 Hz | 86.70 | 0.00 | | 81.50 | 109.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.55 |
| | 8000 Hz | 78.40 | 0.00 | | 81.50 | 391.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -391.53 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.55 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.73 |
| | 63 Hz | 116.40 | 0.00 | | 82.55 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.39 |
| | 125 Hz | 110.70 | 0.00 | | 82.55 | 1.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.60 |
| | 250 Hz | 104.40 | 0.00 | | 82.55 | 3.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.91 |
| | 500 Hz | 101.20 | 0.00 | | 82.55 | 7.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.37 |
| | 1000 Hz | 99.40 | 0.00 | | 82.55 | 13.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.03 |
| | 2000 Hz | 93.80 | 0.00 | | 82.55 | 36.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.27 |
| | 4000 Hz | 86.70 | 0.00 | | 82.55 | 123.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.72 |
| | 8000 Hz | 78.40 | 0.00 | | 82.55 | 441.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -442.94 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 88.03 | 0.87 | -3.00 | 0.00 | 0.00 | 3.32 | 0.00 | | 19.48 |
| | 125 Hz | 104.80 | 0.00 | | 88.03 | 2.92 | -3.00 | 0.00 | 0.00 | 1.19 | 0.00 | | 15.66 |
| | 250 Hz | 101.50 | 0.00 | | 88.03 | 7.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.05 |
| | 500 Hz | 97.10 | 0.00 | | 88.03 | 13.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.64 |
| | 1000 Hz | 91.00 | 0.00 | | 88.03 | 26.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.03 |
| | 2000 Hz | 86.30 | 0.00 | | 88.03 | 68.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.44 |
| | 4000 Hz | 80.30 | 0.00 | | 88.03 | 232.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -237.71 |
| | 8000 Hz | 74.00 | 0.00 | | 88.03 | 830.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -841.99 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.37 | 0.24 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 25.28 |
| | 63 Hz | 113.00 | 0.00 | | 88.37 | 0.90 | -3.00 | 0.00 | 0.00 | 3.36 | 0.00 | | 23.38 |
| | 125 Hz | 108.60 | 0.00 | | 88.37 | 3.04 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 18.91 |
| | 250 Hz | 105.70 | 0.00 | | 88.37 | 7.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.63 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 101.70 | 0.00 | | 88.37 | 14.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.10 |
| | 1000 Hz | 95.50 | 0.00 | | 88.37 | 27.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.88 |
| | 2000 Hz | 89.70 | 0.00 | | 88.37 | 71.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.05 |
| | 4000 Hz | 82.20 | 0.00 | | 88.37 | 242.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -245.24 |
| | 8000 Hz | 74.00 | 0.00 | | 88.37 | 863.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -874.75 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.31 | 0.24 | -3.00 | 0.00 | 0.00 | 4.12 | 0.00 | | 25.33 |
| | 63 Hz | 113.00 | 0.00 | | 88.31 | 0.89 | -3.00 | 0.00 | 0.00 | 3.35 | 0.00 | | 23.44 |
| | 125 Hz | 108.60 | 0.00 | | 88.31 | 3.02 | -3.00 | 0.00 | 0.00 | 1.28 | 0.00 | | 19.00 |
| | 250 Hz | 105.70 | 0.00 | | 88.31 | 7.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.73 |
| | 500 Hz | 101.70 | 0.00 | | 88.31 | 14.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.24 |
| | 1000 Hz | 95.50 | 0.00 | | 88.31 | 26.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.66 |
| | 2000 Hz | 89.70 | 0.00 | | 88.31 | 70.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.55 |
| | 4000 Hz | 82.20 | 0.00 | | 88.31 | 240.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -243.66 |
| | 8000 Hz | 74.00 | 0.00 | | 88.31 | 857.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -869.26 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 87.26 | 0.21 | -3.00 | 0.00 | 0.00 | 4.48 | 0.00 | | 25.95 |
| | 63 Hz | 111.30 | 0.00 | | 87.26 | 0.79 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 22.07 |
| | 125 Hz | 107.40 | 0.00 | | 87.26 | 2.67 | -3.00 | 0.00 | 0.00 | 3.49 | 0.00 | | 16.97 |
| | 250 Hz | 102.80 | 0.00 | | 87.26 | 6.79 | -3.00 | 0.00 | 0.00 | 1.66 | 0.00 | | 10.09 |
| | 500 Hz | 99.70 | 0.00 | | 87.26 | 12.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.90 |
| | 1000 Hz | 96.60 | 0.00 | | 87.26 | 23.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.46 |
| | 2000 Hz | 91.70 | 0.00 | | 87.26 | 62.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.43 |
| | 4000 Hz | 85.00 | 0.00 | | 87.26 | 213.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.45 |
| | 8000 Hz | 87.30 | 0.00 | | 87.26 | 760.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -757.34 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 88.43 | 0.91 | -3.00 | 0.00 | 0.00 | 3.43 | 0.00 | | 22.13 |
| | 125 Hz | 108.60 | 0.00 | | 88.43 | 3.06 | -3.00 | 0.00 | 0.00 | 1.53 | 0.00 | | 18.58 |
| | 250 Hz | 103.40 | 0.00 | | 88.43 | 7.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.21 |
| | 500 Hz | 99.10 | 0.00 | | 88.43 | 14.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.67 |
| | 1000 Hz | 98.00 | 0.00 | | 88.43 | 27.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.64 |
| | 2000 Hz | 89.80 | 0.00 | | 88.43 | 71.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.53 |
| | 4000 Hz | 85.30 | 0.00 | | 88.43 | 243.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -243.96 |
| | 8000 Hz | 80.10 | 0.00 | | 88.43 | 869.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -875.00 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 88.26 | 0.23 | -3.00 | 0.00 | 0.00 | 4.14 | 0.00 | | 28.96 |
| | 63 Hz | 112.30 | 0.00 | | 88.26 | 0.89 | -3.00 | 0.00 | 0.00 | 3.41 | 0.00 | | 22.75 |
| | 125 Hz | 108.10 | 0.00 | | 88.26 | 3.00 | -3.00 | 0.00 | 0.00 | 1.45 | 0.00 | | 18.39 |
| | 250 Hz | 103.50 | 0.00 | | 88.26 | 7.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.63 |
| | 500 Hz | 100.70 | 0.00 | | 88.26 | 14.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.38 |
| | 1000 Hz | 98.30 | 0.00 | | 88.26 | 26.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.64 |
| | 2000 Hz | 93.80 | 0.00 | | 88.26 | 70.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.97 |
| | 4000 Hz | 86.20 | 0.00 | | 88.26 | 239.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -238.15 |
| | 8000 Hz | 78.20 | 0.00 | | 88.26 | 852.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -859.83 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 88.08 | 0.23 | -3.00 | 0.00 | 0.00 | 4.11 | 0.00 | | 27.19 |
| | 63 Hz | 111.70 | 0.00 | | 88.08 | 0.87 | -3.00 | 0.00 | 0.00 | 3.32 | 0.00 | | 22.44 |
| | 125 Hz | 106.40 | 0.00 | | 88.08 | 2.94 | -3.00 | 0.00 | 0.00 | 1.16 | 0.00 | | 17.22 |
| | 250 Hz | 102.10 | 0.00 | | 88.08 | 7.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.57 |
| | 500 Hz | 99.10 | 0.00 | | 88.08 | 13.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.25 |
| | 1000 Hz | 96.90 | 0.00 | | 88.08 | 26.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.30 |
| | 2000 Hz | 90.50 | 0.00 | | 88.08 | 69.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.62 |
| | 4000 Hz | 81.00 | 0.00 | | 88.08 | 234.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -238.19 |
| | 8000 Hz | 76.50 | 0.00 | | 88.08 | 835.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -843.59 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 88.59 | 0.24 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 28.49 |
| | 63 Hz | 110.40 | 0.00 | | 88.59 | 0.92 | -3.00 | 0.00 | 0.00 | 3.48 | 0.00 | | 20.41 |
| | 125 Hz | 107.20 | 0.00 | | 88.59 | 3.11 | -3.00 | 0.00 | 0.00 | 1.68 | 0.00 | | 16.82 |
| | 250 Hz | 101.70 | 0.00 | | 88.59 | 7.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.21 |
| | 500 Hz | 98.20 | 0.00 | | 88.59 | 14.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.99 |
| | 1000 Hz | 95.60 | 0.00 | | 88.59 | 27.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.70 |
| | 2000 Hz | 93.70 | 0.00 | | 88.59 | 73.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.11 |
| | 4000 Hz | 90.70 | 0.00 | | 88.59 | 248.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -243.19 |
| | 8000 Hz | 79.50 | 0.00 | | 88.59 | 885.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -891.70 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 82.28 | 0.12 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | | 30.37 |
| | 63 Hz | 111.60 | 0.00 | | 82.28 | 0.45 | -3.00 | 0.00 | 0.00 | 3.14 | 0.00 | | 28.73 |
| | 125 Hz | 108.60 | 0.00 | | 82.28 | 1.51 | -3.00 | 0.00 | 0.00 | 0.56 | 0.00 | | 27.25 |
| | 250 Hz | 106.50 | 0.00 | | 82.28 | 3.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.40 |
| | 500 Hz | 102.90 | 0.00 | | 82.28 | 7.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.56 |
| | 1000 Hz | 99.60 | 0.00 | | 82.28 | 13.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.92 |
| | 2000 Hz | 95.90 | 0.00 | | 82.28 | 35.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.79 |
| | 4000 Hz | 90.10 | 0.00 | | 82.28 | 120.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -109.27 |
| | 8000 Hz | 76.30 | 0.00 | | 82.28 | 428.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -431.30 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.98 | 0.11 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | | 30.69 |
| | 63 Hz | 111.60 | 0.00 | | 81.98 | 0.43 | -3.00 | 0.00 | 0.00 | 3.13 | 0.00 | | 29.07 |
| | 125 Hz | 108.60 | 0.00 | | 81.98 | 1.45 | -3.00 | 0.00 | 0.00 | 0.50 | 0.00 | | 27.67 |
| | 250 Hz | 106.50 | 0.00 | | 81.98 | 3.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.83 |
| | 500 Hz | 102.90 | 0.00 | | 81.98 | 6.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.10 |
| | 1000 Hz | 99.60 | 0.00 | | 81.98 | 12.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.68 |
| | 2000 Hz | 95.90 | 0.00 | | 81.98 | 34.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.27 |
| | 4000 Hz | 90.10 | 0.00 | | 81.98 | 115.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -104.84 |
| | 8000 Hz | 76.30 | 0.00 | | 81.98 | 413.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -416.29 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.55 | 0.11 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | | 31.11 |
| | 63 Hz | 111.60 | 0.00 | | 81.55 | 0.41 | -3.00 | 0.00 | 0.00 | 3.14 | 0.00 | | 29.51 |
| | 125 Hz | 108.60 | 0.00 | | 81.55 | 1.38 | -3.00 | 0.00 | 0.00 | 0.54 | 0.00 | | 28.13 |
| | 250 Hz | 106.50 | 0.00 | | 81.55 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.44 |
| | 500 Hz | 102.90 | 0.00 | | 81.55 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.86 |
| | 1000 Hz | 99.60 | 0.00 | | 81.55 | 12.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.73 |
| | 2000 Hz | 95.90 | 0.00 | | 81.55 | 32.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.21 |
| | 4000 Hz | 90.10 | 0.00 | | 81.55 | 110.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.86 |
| | 8000 Hz | 76.30 | 0.00 | | 81.55 | 393.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -396.06 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.75 | 0.10 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 31.94 |
| | 63 Hz | 111.60 | 0.00 | | 80.75 | 0.37 | -3.00 | 0.00 | 0.00 | 3.09 | 0.00 | | 30.39 |
| | 125 Hz | 108.60 | 0.00 | | 80.75 | 1.26 | -3.00 | 0.00 | 0.00 | 0.35 | 0.00 | | 29.23 |
| | 250 Hz | 106.50 | 0.00 | | 80.75 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.54 |
| | 500 Hz | 102.90 | 0.00 | | 80.75 | 5.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.23 |
| | 1000 Hz | 99.60 | 0.00 | | 80.75 | 11.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.61 |
| | 2000 Hz | 95.90 | 0.00 | | 80.75 | 29.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.55 |
| | 4000 Hz | 90.10 | 0.00 | | 80.75 | 100.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.36 |
| | 8000 Hz | 76.30 | 0.00 | | 80.75 | 359.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -360.65 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.06 | 0.09 | -3.00 | 0.00 | 0.00 | 3.98 | 0.00 | | 32.66 |
| | 63 Hz | 111.60 | 0.00 | | 80.06 | 0.35 | -3.00 | 0.00 | 0.00 | 3.02 | 0.00 | | 31.17 |
| | 125 Hz | 108.60 | 0.00 | | 80.06 | 1.17 | -3.00 | 0.00 | 0.00 | 0.11 | 0.00 | | 30.26 |
| | 250 Hz | 106.50 | 0.00 | | 80.06 | 2.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.47 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.90 | 0.00 | | 80.06 | 5.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.36 |
| | 1000 Hz | 99.60 | 0.00 | | 80.06 | 10.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.15 |
| | 2000 Hz | 95.90 | 0.00 | | 80.06 | 27.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.61 |
| | 4000 Hz | 90.10 | 0.00 | | 80.06 | 93.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -80.03 |
| | 8000 Hz | 76.30 | 0.00 | | 80.06 | 331.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -332.69 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.01 | 0.09 | -3.00 | 0.00 | 0.00 | 3.98 | 0.00 | | 32.72 |
| | 63 Hz | 111.60 | 0.00 | | 80.01 | 0.34 | -3.00 | 0.00 | 0.00 | 3.00 | 0.00 | | 31.24 |
| | 125 Hz | 108.60 | 0.00 | | 80.01 | 1.16 | -3.00 | 0.00 | 0.00 | 0.04 | 0.00 | | 30.39 |
| | 250 Hz | 106.50 | 0.00 | | 80.01 | 2.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.54 |
| | 500 Hz | 102.90 | 0.00 | | 80.01 | 5.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.45 |
| | 1000 Hz | 99.60 | 0.00 | | 80.01 | 10.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.26 |
| | 2000 Hz | 95.90 | 0.00 | | 80.01 | 27.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.40 |
| | 4000 Hz | 90.10 | 0.00 | | 80.01 | 92.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.43 |
| | 8000 Hz | 76.30 | 0.00 | | 80.01 | 329.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -330.70 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.53 | 0.08 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | | 34.27 |
| | 63 Hz | 111.60 | 0.00 | | 78.53 | 0.29 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | | 32.89 |
| | 125 Hz | 108.60 | 0.00 | | 78.53 | 0.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.10 |
| | 250 Hz | 106.50 | 0.00 | | 78.53 | 2.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.49 |
| | 500 Hz | 102.90 | 0.00 | | 78.53 | 4.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.79 |
| | 1000 Hz | 99.60 | 0.00 | | 78.53 | 8.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.38 |
| | 2000 Hz | 95.90 | 0.00 | | 78.53 | 22.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.61 |
| | 4000 Hz | 90.10 | 0.00 | | 78.53 | 77.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.38 |
| | 8000 Hz | 76.30 | 0.00 | | 78.53 | 278.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -277.26 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 78.39 | 0.08 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 34.41 |
| | 63 Hz | 111.60 | 0.00 | | 78.39 | 0.29 | -3.00 | 0.00 | 0.00 | 2.87 | 0.00 | | 33.06 |
| | 125 Hz | 108.60 | 0.00 | | 78.39 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.25 |
| | 250 Hz | 106.50 | 0.00 | | 78.39 | 2.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.66 |
| | 500 Hz | 102.90 | 0.00 | | 78.39 | 4.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.99 |
| | 1000 Hz | 99.60 | 0.00 | | 78.39 | 8.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.64 |
| | 2000 Hz | 95.90 | 0.00 | | 78.39 | 22.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.13 |
| | 4000 Hz | 90.10 | 0.00 | | 78.39 | 76.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.06 |
| | 8000 Hz | 76.30 | 0.00 | | 78.39 | 273.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -272.90 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 81.77 | 0.42 | -3.00 | 0.00 | 0.00 | 3.47 | 0.00 | | -75.76 |
| | 125 Hz | 5.20 | 0.00 | | 81.77 | 1.42 | -3.00 | 0.00 | 0.00 | 1.64 | 0.00 | | -76.63 |
| | 250 Hz | 1.90 | 0.00 | | 81.77 | 3.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -80.48 |
| | 500 Hz | -1.30 | 0.00 | | 81.77 | 6.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.74 |
| | 1000 Hz | -5.00 | 0.00 | | 81.77 | 12.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.42 |
| | 2000 Hz | -8.20 | 0.00 | | 81.77 | 33.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.39 |
| | 4000 Hz | -12.00 | 0.00 | | 81.77 | 113.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.10 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 79.13 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 125 Hz | 106.50 | 0.00 | | 79.13 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.32 |
| | 250 Hz | 103.20 | 0.00 | | 79.13 | 2.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.41 |
| | 500 Hz | 100.00 | 0.00 | | 79.13 | 4.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.95 |
| | 1000 Hz | 96.30 | 0.00 | | 79.13 | 9.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.84 |
| | 2000 Hz | 93.10 | 0.00 | | 79.13 | 24.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.68 |
| | 4000 Hz | 89.30 | 0.00 | | 79.13 | 83.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.43 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.10 | 0.13 | -3.00 | 0.00 | 0.00 | 3.94 | 0.00 | | 30.63 |
| | 63 Hz | 110.90 | 0.00 | | 83.10 | 0.49 | -3.00 | 0.00 | 0.00 | 2.92 | 0.00 | | 27.40 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 125 Hz | 108.00 | 0.00 | | 83.10 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.25 |
| | 250 Hz | 103.80 | 0.00 | | 83.10 | 4.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.50 |
| | 500 Hz | 101.90 | 0.00 | | 83.10 | 7.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.04 |
| | 1000 Hz | 98.90 | 0.00 | | 83.10 | 14.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.08 |
| | 2000 Hz | 94.60 | 0.00 | | 83.10 | 38.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -24.40 |
| | 4000 Hz | 88.20 | 0.00 | | 83.10 | 131.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -123.83 |
| | 8000 Hz | 78.80 | 0.00 | | 83.10 | 470.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -471.86 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.86 | 0.11 | -3.00 | 0.00 | 0.00 | 2.70 | 0.00 | 33.13 |
| | 63 Hz | 110.90 | 0.00 | | 81.86 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.62 |
| | 125 Hz | 108.00 | 0.00 | | 81.86 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.71 |
| | 250 Hz | 103.80 | 0.00 | | 81.86 | 3.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.30 |
| | 500 Hz | 101.90 | 0.00 | | 81.86 | 6.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.31 |
| | 1000 Hz | 98.90 | 0.00 | | 81.86 | 12.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.27 |
| | 2000 Hz | 94.60 | 0.00 | | 81.86 | 33.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.00 |
| | 4000 Hz | 88.20 | 0.00 | | 81.86 | 114.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -105.08 |
| | 8000 Hz | 78.80 | 0.00 | | 81.86 | 408.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -408.15 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.25 | 0.12 | -3.00 | 0.00 | 0.00 | 2.61 | 0.00 | 32.82 |
| | 63 Hz | 110.90 | 0.00 | | 82.25 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.21 |
| | 125 Hz | 108.00 | 0.00 | | 82.25 | 1.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.25 |
| | 250 Hz | 103.80 | 0.00 | | 82.25 | 3.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.75 |
| | 500 Hz | 101.90 | 0.00 | | 82.25 | 7.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.62 |
| | 1000 Hz | 98.90 | 0.00 | | 82.25 | 13.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.30 |
| | 2000 Hz | 94.60 | 0.00 | | 82.25 | 35.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.92 |
| | 4000 Hz | 88.20 | 0.00 | | 82.25 | 119.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -110.67 |
| | 8000 Hz | 78.80 | 0.00 | | 82.25 | 426.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -427.12 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 80.94 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.76 |
| | 63 Hz | 110.90 | 0.00 | | 80.94 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.58 |
| | 125 Hz | 108.00 | 0.00 | | 80.94 | 1.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.77 |
| | 250 Hz | 103.80 | 0.00 | | 80.94 | 3.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.59 |
| | 500 Hz | 101.90 | 0.00 | | 80.94 | 6.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.91 |
| | 1000 Hz | 98.90 | 0.00 | | 80.94 | 11.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.48 |
| | 2000 Hz | 94.60 | 0.00 | | 80.94 | 30.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.69 |
| | 4000 Hz | 88.20 | 0.00 | | 80.94 | 102.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -92.65 |
| | 8000 Hz | 78.80 | 0.00 | | 80.94 | 367.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -366.20 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 79.11 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 46.00 |
| | 63 Hz | 122.10 | 0.00 | | 79.11 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.68 |
| | 125 Hz | 115.00 | 0.00 | | 79.11 | 1.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.84 |
| | 250 Hz | 108.00 | 0.00 | | 79.11 | 2.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.23 |
| | 500 Hz | 103.90 | 0.00 | | 79.11 | 4.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.88 |
| | 1000 Hz | 101.60 | 0.00 | | 79.11 | 9.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.17 |
| | 2000 Hz | 96.70 | 0.00 | | 79.11 | 24.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.02 |
| | 4000 Hz | 88.60 | 0.00 | | 79.11 | 83.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -70.94 |
| | 8000 Hz | 80.90 | 0.00 | | 79.11 | 297.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -292.78 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 79.88 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.29 |
| | 125 Hz | 109.80 | 0.00 | | 79.88 | 1.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.78 |
| | 250 Hz | 107.40 | 0.00 | | 79.88 | 2.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.62 |
| | 500 Hz | 101.60 | 0.00 | | 79.88 | 5.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.37 |
| | 1000 Hz | 94.50 | 0.00 | | 79.88 | 10.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.46 |
| | 2000 Hz | 88.00 | 0.00 | | 79.88 | 26.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.73 |
| | 4000 Hz | 85.30 | 0.00 | | 79.88 | 91.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -82.65 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 79.90 | 0.00 | | 79.88 | 324.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -321.82 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.78 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.48 |
| | 125 Hz | 110.80 | 0.00 | | 79.78 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.89 |
| | 250 Hz | 105.10 | 0.00 | | 79.78 | 2.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.45 |
| | 500 Hz | 102.60 | 0.00 | | 79.78 | 5.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.52 |
| | 1000 Hz | 99.60 | 0.00 | | 79.78 | 10.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.76 |
| | 2000 Hz | 93.10 | 0.00 | | 79.78 | 26.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.25 |
| | 4000 Hz | 80.70 | 0.00 | | 79.78 | 90.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -86.17 |
| | 8000 Hz | 77.00 | 0.00 | | 79.78 | 321.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -321.10 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.75 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.52 |
| | 125 Hz | 110.80 | 0.00 | | 79.75 | 1.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.93 |
| | 250 Hz | 105.10 | 0.00 | | 79.75 | 2.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.50 |
| | 500 Hz | 102.60 | 0.00 | | 79.75 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.58 |
| | 1000 Hz | 99.60 | 0.00 | | 79.75 | 10.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.84 |
| | 2000 Hz | 93.10 | 0.00 | | 79.75 | 26.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -10.10 |
| | 4000 Hz | 80.70 | 0.00 | | 79.75 | 89.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.77 |
| | 8000 Hz | 77.00 | 0.00 | | 79.75 | 320.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -319.75 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 79.65 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.62 |
| | 125 Hz | 110.80 | 0.00 | | 79.65 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.04 |
| | 250 Hz | 105.10 | 0.00 | | 79.65 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.63 |
| | 500 Hz | 102.60 | 0.00 | | 79.65 | 5.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.74 |
| | 1000 Hz | 99.60 | 0.00 | | 79.65 | 9.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.05 |
| | 2000 Hz | 93.10 | 0.00 | | 79.65 | 26.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.71 |
| | 4000 Hz | 80.70 | 0.00 | | 79.65 | 88.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -84.65 |
| | 8000 Hz | 77.00 | 0.00 | | 79.65 | 316.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -316.03 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 80.02 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.04 |
| | 125 Hz | 104.80 | 0.00 | | 80.02 | 1.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.62 |
| | 250 Hz | 99.40 | 0.00 | | 80.02 | 2.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.44 |
| | 500 Hz | 95.00 | 0.00 | | 80.02 | 5.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.54 |
| | 1000 Hz | 93.20 | 0.00 | | 80.02 | 10.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.85 |
| | 2000 Hz | 89.10 | 0.00 | | 80.02 | 27.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.22 |
| | 4000 Hz | 83.90 | 0.00 | | 80.02 | 92.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -85.69 |
| | 8000 Hz | 82.20 | 0.00 | | 80.02 | 330.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -324.99 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.36 | 1.13 | -3.00 | 0.00 | 0.00 | 3.72 | 0.00 | | 23.10 |
| | 125 Hz | 111.00 | 0.00 | | 90.36 | 3.82 | -3.00 | 0.00 | 0.00 | 2.34 | 0.00 | | 17.48 |
| | 250 Hz | 106.60 | 0.00 | | 90.36 | 9.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.55 |
| | 500 Hz | 103.70 | 0.00 | | 90.36 | 17.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.56 |
| | 1000 Hz | 99.80 | 0.00 | | 90.36 | 33.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -21.53 |
| | 2000 Hz | 95.60 | 0.00 | | 90.36 | 89.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.52 |
| | 4000 Hz | 86.90 | 0.00 | | 90.36 | 304.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -304.85 |
| | 8000 Hz | 65.40 | 0.00 | | 90.36 | 1085.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1107.61 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.90 | 1.07 | -3.00 | 0.00 | 0.00 | 4.23 | 0.00 | | 23.10 |
| | 125 Hz | 111.00 | 0.00 | | 89.90 | 3.62 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 16.85 |
| | 250 Hz | 106.60 | 0.00 | | 89.90 | 9.19 | -3.00 | 0.00 | 0.00 | 2.09 | 0.00 | | 8.43 |
| | 500 Hz | 103.70 | 0.00 | | 89.90 | 16.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.17 |
| | 1000 Hz | 99.80 | 0.00 | | 89.90 | 32.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.31 |
| | 2000 Hz | 95.60 | 0.00 | | 89.90 | 85.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.41 |
| | 4000 Hz | 86.90 | 0.00 | | 89.90 | 288.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -288.64 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|--|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 65.40 | 0.00 | | 89.90 | 1029.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1050.99 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.97 | 0.96 | -3.00 | 0.00 | 0.00 | 4.24 | 0.00 | | 24.13 |
| | 125 Hz | 111.00 | 0.00 | | 88.97 | 3.25 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | | 18.14 |
| | 250 Hz | 106.60 | 0.00 | | 88.97 | 8.26 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | | 10.26 |
| | 500 Hz | 103.70 | 0.00 | | 88.97 | 15.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.48 |
| | 1000 Hz | 99.80 | 0.00 | | 88.97 | 28.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.11 |
| | 2000 Hz | 95.60 | 0.00 | | 88.97 | 76.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.85 |
| | 4000 Hz | 86.90 | 0.00 | | 88.97 | 259.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -258.42 |
| | 8000 Hz | 65.40 | 0.00 | | 88.97 | 925.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -945.60 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.86 | 0.95 | -3.00 | 0.00 | 0.00 | 4.21 | 0.00 | | 23.88 |
| | 125 Hz | 110.20 | 0.00 | | 88.86 | 3.21 | -3.00 | 0.00 | 0.00 | 3.57 | 0.00 | | 17.55 |
| | 250 Hz | 105.30 | 0.00 | | 88.86 | 8.16 | -3.00 | 0.00 | 0.00 | 1.91 | 0.00 | | 9.37 |
| | 500 Hz | 102.70 | 0.00 | | 88.86 | 15.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.76 |
| | 1000 Hz | 99.80 | 0.00 | | 88.86 | 28.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.67 |
| | 2000 Hz | 95.50 | 0.00 | | 88.86 | 75.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.96 |
| | 4000 Hz | 84.90 | 0.00 | | 88.86 | 256.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -257.31 |
| | 8000 Hz | 61.80 | 0.00 | | 88.86 | 914.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -938.35 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.86 | 0.95 | -3.00 | 0.00 | 0.00 | 4.17 | 0.00 | | 23.92 |
| | 125 Hz | 110.20 | 0.00 | | 88.86 | 3.21 | -3.00 | 0.00 | 0.00 | 3.49 | 0.00 | | 17.64 |
| | 250 Hz | 105.30 | 0.00 | | 88.86 | 8.15 | -3.00 | 0.00 | 0.00 | 1.66 | 0.00 | | 9.63 |
| | 500 Hz | 102.70 | 0.00 | | 88.86 | 15.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.78 |
| | 1000 Hz | 99.80 | 0.00 | | 88.86 | 28.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.64 |
| | 2000 Hz | 95.50 | 0.00 | | 88.86 | 75.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.87 |
| | 4000 Hz | 84.90 | 0.00 | | 88.86 | 256.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -257.05 |
| | 8000 Hz | 61.80 | 0.00 | | 88.86 | 913.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -937.44 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.20 | 0.88 | -3.00 | 0.00 | 0.00 | 4.15 | 0.00 | | 25.06 |
| | 125 Hz | 111.00 | 0.00 | | 88.20 | 2.98 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | | 19.37 |
| | 250 Hz | 106.60 | 0.00 | | 88.20 | 7.56 | -3.00 | 0.00 | 0.00 | 1.52 | 0.00 | | 12.31 |
| | 500 Hz | 103.70 | 0.00 | | 88.20 | 13.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.52 |
| | 1000 Hz | 99.80 | 0.00 | | 88.20 | 26.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.92 |
| | 2000 Hz | 95.60 | 0.00 | | 88.20 | 70.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.66 |
| | 4000 Hz | 86.90 | 0.00 | | 88.20 | 237.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -235.88 |
| | 8000 Hz | 65.40 | 0.00 | | 88.20 | 847.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -867.17 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.19 | 0.88 | -3.00 | 0.00 | 0.00 | 4.10 | 0.00 | | 25.13 |
| | 125 Hz | 111.00 | 0.00 | | 88.19 | 2.97 | -3.00 | 0.00 | 0.00 | 3.33 | 0.00 | | 19.51 |
| | 250 Hz | 106.60 | 0.00 | | 88.19 | 7.55 | -3.00 | 0.00 | 0.00 | 1.15 | 0.00 | | 12.72 |
| | 500 Hz | 103.70 | 0.00 | | 88.19 | 13.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.57 |
| | 1000 Hz | 99.80 | 0.00 | | 88.19 | 26.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.85 |
| | 2000 Hz | 95.60 | 0.00 | | 88.19 | 69.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.50 |
| | 4000 Hz | 86.90 | 0.00 | | 88.19 | 237.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -235.38 |
| | 8000 Hz | 65.40 | 0.00 | | 88.19 | 845.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -865.43 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 78.14 | 0.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.38 |
| | 125 Hz | 104.80 | 0.00 | | 78.14 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.72 |
| | 250 Hz | 101.20 | 0.00 | | 78.14 | 2.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.68 |
| | 500 Hz | 96.80 | 0.00 | | 78.14 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.27 |
| | 1000 Hz | 92.70 | 0.00 | | 78.14 | 8.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.23 |
| | 2000 Hz | 90.50 | 0.00 | | 78.14 | 22.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.64 |
| | 4000 Hz | 84.90 | 0.00 | | 78.14 | 74.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.84 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 70.70 | 0.00 | | 78.14 | 266.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -270.50 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 70.08 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.01 |
| | 125 Hz | 106.90 | 0.00 | | 70.08 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.45 |
| | 250 Hz | 104.10 | 0.00 | | 70.08 | 0.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.08 |
| | 500 Hz | 100.40 | 0.00 | | 70.08 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.59 |
| | 1000 Hz | 96.10 | 0.00 | | 70.08 | 3.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.73 |
| | 2000 Hz | 90.70 | 0.00 | | 70.08 | 8.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.93 |
| | 4000 Hz | 83.90 | 0.00 | | 70.08 | 29.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.65 |
| | 8000 Hz | 75.80 | 0.00 | | 70.08 | 105.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -96.40 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 72.56 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.50 |
| | 125 Hz | 108.80 | 0.00 | | 72.56 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.75 |
| | 250 Hz | 106.10 | 0.00 | | 72.56 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.30 |
| | 500 Hz | 102.40 | 0.00 | | 72.56 | 2.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.54 |
| | 1000 Hz | 98.10 | 0.00 | | 72.56 | 4.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.17 |
| | 2000 Hz | 92.80 | 0.00 | | 72.56 | 11.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.68 |
| | 4000 Hz | 85.90 | 0.00 | | 72.56 | 39.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.86 |
| | 8000 Hz | 77.90 | 0.00 | | 72.56 | 139.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.49 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 70.32 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.77 |
| | 125 Hz | 106.90 | 0.00 | | 70.32 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.21 |
| | 250 Hz | 104.10 | 0.00 | | 70.32 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.82 |
| | 500 Hz | 100.40 | 0.00 | | 70.32 | 1.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.30 |
| | 1000 Hz | 96.10 | 0.00 | | 70.32 | 3.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.40 |
| | 2000 Hz | 90.70 | 0.00 | | 70.32 | 8.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.45 |
| | 4000 Hz | 83.90 | 0.00 | | 70.32 | 30.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.71 |
| | 8000 Hz | 75.80 | 0.00 | | 70.32 | 108.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.56 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.80 | 0.27 | -3.00 | 0.00 | 0.00 | 3.64 | 0.00 | | 32.50 |
| | 125 Hz | 108.80 | 0.00 | | 77.80 | 0.90 | -3.00 | 0.00 | 0.00 | 2.13 | 0.00 | | 30.97 |
| | 250 Hz | 106.10 | 0.00 | | 77.80 | 2.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.02 |
| | 500 Hz | 102.40 | 0.00 | | 77.80 | 4.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.38 |
| | 1000 Hz | 98.10 | 0.00 | | 77.80 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.30 |
| | 2000 Hz | 92.80 | 0.00 | | 77.80 | 21.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.14 |
| | 4000 Hz | 85.90 | 0.00 | | 77.80 | 71.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.60 |
| | 8000 Hz | 77.90 | 0.00 | | 77.80 | 255.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -252.63 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.45 | 0.32 | -3.00 | 0.00 | 0.00 | 3.67 | 0.00 | | 32.65 |
| | 125 Hz | 110.70 | 0.00 | | 79.45 | 1.09 | -3.00 | 0.00 | 0.00 | 2.22 | 0.00 | | 30.94 |
| | 250 Hz | 108.00 | 0.00 | | 79.45 | 2.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.79 |
| | 500 Hz | 104.50 | 0.00 | | 79.45 | 5.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.95 |
| | 1000 Hz | 100.10 | 0.00 | | 79.45 | 9.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.97 |
| | 2000 Hz | 94.80 | 0.00 | | 79.45 | 25.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.23 |
| | 4000 Hz | 87.90 | 0.00 | | 79.45 | 86.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.30 |
| | 8000 Hz | 79.90 | 0.00 | | 79.45 | 309.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -305.94 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 80.62 | 0.37 | -3.00 | 0.00 | 0.00 | 3.92 | 0.00 | | 31.38 |
| | 125 Hz | 110.90 | 0.00 | | 80.62 | 1.24 | -3.00 | 0.00 | 0.00 | 2.89 | 0.00 | | 29.14 |
| | 250 Hz | 108.10 | 0.00 | | 80.62 | 3.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.32 |
| | 500 Hz | 104.40 | 0.00 | | 80.62 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.94 |
| | 1000 Hz | 100.10 | 0.00 | | 80.62 | 11.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.40 |
| | 2000 Hz | 94.80 | 0.00 | | 80.62 | 29.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.09 |
| | 4000 Hz | 88.00 | 0.00 | | 80.62 | 99.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.88 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 8000 Hz | 80.00 | 0.00 | | 80.62 | 354.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -351.63 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 81.03 | 0.39 | -3.00 | 0.00 | 0.00 | 3.89 | 0.00 | | 30.79 |
| | 125 Hz | 110.70 | 0.00 | | 81.03 | 1.30 | -3.00 | 0.00 | 0.00 | 2.80 | 0.00 | | 28.57 |
| | 250 Hz | 108.00 | 0.00 | | 81.03 | 3.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.66 |
| | 500 Hz | 104.50 | 0.00 | | 81.03 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.35 |
| | 1000 Hz | 100.10 | 0.00 | | 81.03 | 11.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.46 |
| | 2000 Hz | 94.80 | 0.00 | | 81.03 | 30.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.91 |
| | 4000 Hz | 87.90 | 0.00 | | 81.03 | 104.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.18 |
| | 8000 Hz | 79.90 | 0.00 | | 81.03 | 371.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -369.23 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 81.69 | 0.42 | -3.00 | 0.00 | 0.00 | 4.03 | 0.00 | | 30.16 |
| | 125 Hz | 110.90 | 0.00 | | 81.69 | 1.41 | -3.00 | 0.00 | 0.00 | 3.16 | 0.00 | | 27.64 |
| | 250 Hz | 108.10 | 0.00 | | 81.69 | 3.57 | -3.00 | 0.00 | 0.00 | 0.58 | 0.00 | | 25.26 |
| | 500 Hz | 104.40 | 0.00 | | 81.69 | 6.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.11 |
| | 1000 Hz | 100.10 | 0.00 | | 81.69 | 12.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.88 |
| | 2000 Hz | 94.80 | 0.00 | | 81.69 | 33.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.99 |
| | 4000 Hz | 88.00 | 0.00 | | 81.69 | 112.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -102.94 |
| | 8000 Hz | 80.00 | 0.00 | | 81.69 | 400.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -399.05 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.73 | 0.47 | -3.00 | 0.00 | 0.00 | 4.13 | 0.00 | | 28.77 |
| | 125 Hz | 110.70 | 0.00 | | 82.73 | 1.59 | -3.00 | 0.00 | 0.00 | 3.38 | 0.00 | | 26.00 |
| | 250 Hz | 108.00 | 0.00 | | 82.73 | 4.03 | -3.00 | 0.00 | 0.00 | 1.33 | 0.00 | | 22.91 |
| | 500 Hz | 104.50 | 0.00 | | 82.73 | 7.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.33 |
| | 1000 Hz | 100.10 | 0.00 | | 82.73 | 14.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.25 |
| | 2000 Hz | 94.80 | 0.00 | | 82.73 | 37.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.23 |
| | 4000 Hz | 87.90 | 0.00 | | 82.73 | 126.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -118.33 |
| | 8000 Hz | 79.90 | 0.00 | | 82.73 | 451.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -451.01 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt032 | IP AD | 382405.21 | | 5776364.00 | | 70.639 | | 40.93 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 87.68 | 13.13 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.57 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 76.56 | 3.65 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.10 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 80.58 | 5.80 | 4.68 | 0.00 | 0.00 | 0.09 | 0.00 | | 6.86 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 68.61 | 1.46 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.58 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 81.16 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.65 |
| | 125 Hz | 102.50 | 0.00 | | 81.16 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.02 |
| | 250 Hz | 99.20 | 0.00 | | 81.16 | 3.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.68 |
| | 500 Hz | 96.00 | 0.00 | | 81.16 | 6.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.63 |
| | 1000 Hz | 92.30 | 0.00 | | 81.16 | 11.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.36 |
| | 2000 Hz | 89.10 | 0.00 | | 81.16 | 31.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.19 |
| | 4000 Hz | 85.30 | 0.00 | | 81.16 | 105.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.43 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 81.92 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.85 |
| | 125 Hz | 105.50 | 0.00 | | 81.92 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.14 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 102.20 | 0.00 | | 81.92 | 3.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.62 |
| | 500 Hz | 99.00 | 0.00 | | 81.92 | 6.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.31 |
| | 1000 Hz | 95.30 | 0.00 | | 81.92 | 12.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.53 |
| | 2000 Hz | 92.10 | 0.00 | | 81.92 | 33.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.79 |
| | 4000 Hz | 88.30 | 0.00 | | 81.92 | 115.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.82 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.36 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.90 |
| | 63 Hz | 116.40 | 0.00 | | 83.36 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.53 |
| | 125 Hz | 110.70 | 0.00 | | 83.36 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.63 |
| | 250 Hz | 104.40 | 0.00 | | 83.36 | 4.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.71 |
| | 500 Hz | 101.20 | 0.00 | | 83.36 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.83 |
| | 1000 Hz | 99.40 | 0.00 | | 83.36 | 15.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.85 |
| | 2000 Hz | 93.80 | 0.00 | | 83.36 | 40.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.69 |
| | 4000 Hz | 86.70 | 0.00 | | 83.36 | 136.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -129.73 |
| | 8000 Hz | 78.40 | 0.00 | | 83.36 | 485.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -487.25 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 79.06 | 0.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.26 |
| | 63 Hz | 116.40 | 0.00 | | 79.06 | 0.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.03 |
| | 125 Hz | 110.70 | 0.00 | | 79.06 | 1.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.60 |
| | 250 Hz | 104.40 | 0.00 | | 79.06 | 2.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.70 |
| | 500 Hz | 101.20 | 0.00 | | 79.06 | 4.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.26 |
| | 1000 Hz | 99.40 | 0.00 | | 79.06 | 9.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.09 |
| | 2000 Hz | 93.80 | 0.00 | | 79.06 | 24.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.71 |
| | 4000 Hz | 86.70 | 0.00 | | 79.06 | 82.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.27 |
| | 8000 Hz | 78.40 | 0.00 | | 79.06 | 295.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -293.38 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.82 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.45 |
| | 63 Hz | 116.40 | 0.00 | | 82.82 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.10 |
| | 125 Hz | 110.70 | 0.00 | | 82.82 | 1.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.28 |
| | 250 Hz | 104.40 | 0.00 | | 82.82 | 4.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.51 |
| | 500 Hz | 101.20 | 0.00 | | 82.82 | 7.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.86 |
| | 1000 Hz | 99.40 | 0.00 | | 82.82 | 14.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.31 |
| | 2000 Hz | 93.80 | 0.00 | | 82.82 | 37.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.72 |
| | 4000 Hz | 86.70 | 0.00 | | 82.82 | 127.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.96 |
| | 8000 Hz | 78.40 | 0.00 | | 82.82 | 455.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -457.39 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.32 | 0.13 | -3.00 | 0.00 | 0.00 | 1.29 | 0.00 | | 38.66 |
| | 63 Hz | 116.40 | 0.00 | | 83.32 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.58 |
| | 125 Hz | 110.70 | 0.00 | | 83.32 | 1.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.69 |
| | 250 Hz | 104.40 | 0.00 | | 83.32 | 4.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.78 |
| | 500 Hz | 101.20 | 0.00 | | 83.32 | 7.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.92 |
| | 1000 Hz | 99.40 | 0.00 | | 83.32 | 15.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.98 |
| | 2000 Hz | 93.80 | 0.00 | | 83.32 | 39.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.43 |
| | 4000 Hz | 86.70 | 0.00 | | 83.32 | 135.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.95 |
| | 8000 Hz | 78.40 | 0.00 | | 83.32 | 482.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -484.62 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.38 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.92 |
| | 63 Hz | 116.40 | 0.00 | | 81.38 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.62 |
| | 125 Hz | 110.70 | 0.00 | | 81.38 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.97 |
| | 250 Hz | 104.40 | 0.00 | | 81.38 | 3.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.58 |
| | 500 Hz | 101.20 | 0.00 | | 81.38 | 6.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.46 |
| | 1000 Hz | 99.40 | 0.00 | | 81.38 | 12.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.94 |
| | 2000 Hz | 93.80 | 0.00 | | 81.38 | 31.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.49 |
| | 4000 Hz | 86.70 | 0.00 | | 81.38 | 108.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.92 |
| | 8000 Hz | 78.40 | 0.00 | | 81.38 | 386.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -386.03 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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|---------|---------------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.63 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.66 |
| | 63 Hz | 116.40 | 0.00 | | 81.63 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.35 |
| | 125 Hz | 110.70 | 0.00 | | 81.63 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.67 |
| | 250 Hz | 104.40 | 0.00 | | 81.63 | 3.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.22 |
| | 500 Hz | 101.20 | 0.00 | | 81.63 | 6.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.01 |
| | 1000 Hz | 99.40 | 0.00 | | 81.63 | 12.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.32 |
| | 2000 Hz | 93.80 | 0.00 | | 81.63 | 32.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.72 |
| | 4000 Hz | 86.70 | 0.00 | | 81.63 | 111.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -103.44 |
| | 8000 Hz | 78.40 | 0.00 | | 81.63 | 397.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -397.94 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.64 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.64 |
| | 63 Hz | 116.40 | 0.00 | | 82.64 | 0.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.30 |
| | 125 Hz | 110.70 | 0.00 | | 82.64 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.49 |
| | 250 Hz | 104.40 | 0.00 | | 82.64 | 3.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.78 |
| | 500 Hz | 101.20 | 0.00 | | 82.64 | 7.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.20 |
| | 1000 Hz | 99.40 | 0.00 | | 82.64 | 13.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.79 |
| | 2000 Hz | 93.80 | 0.00 | | 82.64 | 36.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.75 |
| | 4000 Hz | 86.70 | 0.00 | | 82.64 | 125.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.12 |
| | 8000 Hz | 78.40 | 0.00 | | 82.64 | 446.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -447.70 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.22 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.08 |
| | 63 Hz | 116.40 | 0.00 | | 81.22 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.79 |
| | 125 Hz | 110.70 | 0.00 | | 81.22 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.15 |
| | 250 Hz | 104.40 | 0.00 | | 81.22 | 3.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.80 |
| | 500 Hz | 101.20 | 0.00 | | 81.22 | 6.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.73 |
| | 1000 Hz | 99.40 | 0.00 | | 81.22 | 11.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.32 |
| | 2000 Hz | 93.80 | 0.00 | | 81.22 | 31.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.76 |
| | 4000 Hz | 86.70 | 0.00 | | 81.22 | 106.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -97.81 |
| | 8000 Hz | 78.40 | 0.00 | | 81.22 | 379.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -378.92 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 81.00 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.00 |
| | 63 Hz | 113.10 | 0.00 | | 81.00 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.71 |
| | 125 Hz | 107.40 | 0.00 | | 81.00 | 1.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.10 |
| | 250 Hz | 101.10 | 0.00 | | 81.00 | 3.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.80 |
| | 500 Hz | 97.90 | 0.00 | | 81.00 | 6.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.80 |
| | 1000 Hz | 96.10 | 0.00 | | 81.00 | 11.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.53 |
| | 2000 Hz | 90.50 | 0.00 | | 81.00 | 30.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.07 |
| | 4000 Hz | 83.40 | 0.00 | | 81.00 | 103.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -98.26 |
| | 8000 Hz | 75.10 | 0.00 | | 81.00 | 369.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -372.63 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 81.91 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.38 |
| | 63 Hz | 116.40 | 0.00 | | 81.91 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.06 |
| | 125 Hz | 110.70 | 0.00 | | 81.91 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.35 |
| | 250 Hz | 104.40 | 0.00 | | 81.91 | 3.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.83 |
| | 500 Hz | 101.20 | 0.00 | | 81.91 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.52 |
| | 1000 Hz | 99.40 | 0.00 | | 81.91 | 12.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.65 |
| | 2000 Hz | 93.80 | 0.00 | | 81.91 | 33.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.05 |
| | 4000 Hz | 86.70 | 0.00 | | 81.91 | 115.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -107.31 |
| | 8000 Hz | 78.40 | 0.00 | | 81.91 | 410.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -411.02 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.91 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.36 |
| | 63 Hz | 116.40 | 0.00 | | 82.91 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.01 |
| | 125 Hz | 110.70 | 0.00 | | 82.91 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.17 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 250 Hz | 104.40 | 0.00 | | 82.91 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.38 |
| | 500 Hz | 101.20 | 0.00 | | 82.91 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.69 |
| | 1000 Hz | 99.40 | 0.00 | | 82.91 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.07 |
| | 2000 Hz | 93.80 | 0.00 | | 82.91 | 38.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.20 |
| | 4000 Hz | 86.70 | 0.00 | | 82.91 | 129.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -122.38 |
| | 8000 Hz | 78.40 | 0.00 | | 82.91 | 460.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -462.22 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 87.96 | 0.86 | -3.00 | 0.00 | 0.00 | 0.83 | 0.00 | | 22.06 |
| | 125 Hz | 104.80 | 0.00 | | 87.96 | 2.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.95 |
| | 250 Hz | 101.50 | 0.00 | | 87.96 | 7.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.19 |
| | 500 Hz | 97.10 | 0.00 | | 87.96 | 13.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.44 |
| | 1000 Hz | 91.00 | 0.00 | | 87.96 | 25.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.73 |
| | 2000 Hz | 86.30 | 0.00 | | 87.96 | 68.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.76 |
| | 4000 Hz | 80.30 | 0.00 | | 87.96 | 230.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -235.59 |
| | 8000 Hz | 74.00 | 0.00 | | 87.96 | 823.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -834.62 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.29 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.48 |
| | 63 Hz | 113.00 | 0.00 | | 88.29 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.82 |
| | 125 Hz | 108.60 | 0.00 | | 88.29 | 3.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.31 |
| | 250 Hz | 105.70 | 0.00 | | 88.29 | 7.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.78 |
| | 500 Hz | 101.70 | 0.00 | | 88.29 | 14.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.31 |
| | 1000 Hz | 95.50 | 0.00 | | 88.29 | 26.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.55 |
| | 2000 Hz | 89.70 | 0.00 | | 88.29 | 70.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.31 |
| | 4000 Hz | 82.20 | 0.00 | | 88.29 | 239.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.93 |
| | 8000 Hz | 74.00 | 0.00 | | 88.29 | 855.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -866.74 |

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| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.22 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.55 |
| | 63 Hz | 113.00 | 0.00 | | 88.22 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.90 |
| | 125 Hz | 108.60 | 0.00 | | 88.22 | 2.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.40 |
| | 250 Hz | 105.70 | 0.00 | | 88.22 | 7.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.90 |
| | 500 Hz | 101.70 | 0.00 | | 88.22 | 14.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.48 |
| | 1000 Hz | 95.50 | 0.00 | | 88.22 | 26.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.28 |
| | 2000 Hz | 89.70 | 0.00 | | 88.22 | 70.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.71 |
| | 4000 Hz | 82.20 | 0.00 | | 88.22 | 238.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -241.03 |
| | 8000 Hz | 74.00 | 0.00 | | 88.22 | 848.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -860.11 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 87.25 | 0.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.45 |
| | 63 Hz | 111.30 | 0.00 | | 87.25 | 0.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.26 |
| | 125 Hz | 107.40 | 0.00 | | 87.25 | 2.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.49 |
| | 250 Hz | 102.80 | 0.00 | | 87.25 | 6.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.78 |
| | 500 Hz | 99.70 | 0.00 | | 87.25 | 12.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.94 |
| | 1000 Hz | 96.60 | 0.00 | | 87.25 | 23.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.39 |
| | 2000 Hz | 91.70 | 0.00 | | 87.25 | 62.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.29 |
| | 4000 Hz | 85.00 | 0.00 | | 87.25 | 212.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -212.02 |
| | 8000 Hz | 87.30 | 0.00 | | 87.25 | 758.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -755.85 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 88.36 | 0.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.64 |
| | 125 Hz | 108.60 | 0.00 | | 88.36 | 3.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.20 |
| | 250 Hz | 103.40 | 0.00 | | 88.36 | 7.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.33 |
| | 500 Hz | 99.10 | 0.00 | | 88.36 | 14.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.50 |
| | 1000 Hz | 98.00 | 0.00 | | 88.36 | 27.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.37 |
| | 2000 Hz | 89.80 | 0.00 | | 88.36 | 71.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -66.92 |
| | 4000 Hz | 85.30 | 0.00 | | 88.36 | 241.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -242.05 |
| | 8000 Hz | 80.10 | 0.00 | | 88.36 | 863.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -868.34 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 88.19 | 0.23 | -3.00 | 0.00 | 0.00 | 4.21 | 0.00 | | 28.97 |
| | 63 Hz | 112.30 | 0.00 | | 88.19 | 0.88 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 22.67 |
| | 125 Hz | 108.10 | 0.00 | | 88.19 | 2.97 | -3.00 | 0.00 | 0.00 | 1.90 | 0.00 | | 18.04 |
| | 250 Hz | 103.50 | 0.00 | | 88.19 | 7.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.76 |
| | 500 Hz | 100.70 | 0.00 | | 88.19 | 13.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.56 |
| | 1000 Hz | 98.30 | 0.00 | | 88.19 | 26.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.36 |
| | 2000 Hz | 93.80 | 0.00 | | 88.19 | 69.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.34 |
| | 4000 Hz | 86.20 | 0.00 | | 88.19 | 237.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -236.19 |
| | 8000 Hz | 78.20 | 0.00 | | 88.19 | 845.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -852.98 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 88.02 | 0.23 | -3.00 | 0.00 | 0.00 | 3.75 | 0.00 | | 27.60 |
| | 63 Hz | 111.70 | 0.00 | | 88.02 | 0.86 | -3.00 | 0.00 | 0.00 | 2.42 | 0.00 | | 23.39 |
| | 125 Hz | 106.40 | 0.00 | | 88.02 | 2.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.46 |
| | 250 Hz | 102.10 | 0.00 | | 88.02 | 7.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.67 |
| | 500 Hz | 99.10 | 0.00 | | 88.02 | 13.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.40 |
| | 1000 Hz | 96.90 | 0.00 | | 88.02 | 25.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.08 |
| | 2000 Hz | 90.50 | 0.00 | | 88.02 | 68.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.12 |
| | 4000 Hz | 81.00 | 0.00 | | 88.02 | 232.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -236.65 |
| | 8000 Hz | 76.50 | 0.00 | | 88.02 | 829.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -838.22 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 88.50 | 0.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.76 |
| | 63 Hz | 110.40 | 0.00 | | 88.50 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.99 |
| | 125 Hz | 107.20 | 0.00 | | 88.50 | 3.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.62 |
| | 250 Hz | 101.70 | 0.00 | | 88.50 | 7.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.38 |
| | 500 Hz | 98.20 | 0.00 | | 88.50 | 14.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.74 |
| | 1000 Hz | 95.60 | 0.00 | | 88.50 | 27.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.31 |
| | 2000 Hz | 93.70 | 0.00 | | 88.50 | 72.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -64.24 |
| | 4000 Hz | 90.70 | 0.00 | | 88.50 | 245.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -240.47 |
| | 8000 Hz | 79.50 | 0.00 | | 88.50 | 876.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -882.22 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.86 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.82 |
| | 63 Hz | 111.60 | 0.00 | | 81.86 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.31 |
| | 125 Hz | 108.60 | 0.00 | | 81.86 | 1.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.30 |
| | 250 Hz | 106.50 | 0.00 | | 81.86 | 3.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.99 |
| | 500 Hz | 102.90 | 0.00 | | 81.86 | 6.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.30 |
| | 1000 Hz | 99.60 | 0.00 | | 81.86 | 12.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.96 |
| | 2000 Hz | 95.90 | 0.00 | | 81.86 | 33.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.73 |
| | 4000 Hz | 90.10 | 0.00 | | 81.86 | 114.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -103.26 |
| | 8000 Hz | 76.30 | 0.00 | | 81.86 | 408.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -410.91 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.53 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.16 |
| | 63 Hz | 111.60 | 0.00 | | 81.53 | 0.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.66 |
| | 125 Hz | 108.60 | 0.00 | | 81.53 | 1.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.69 |
| | 250 Hz | 106.50 | 0.00 | | 81.53 | 3.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.46 |
| | 500 Hz | 102.90 | 0.00 | | 81.53 | 6.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.89 |
| | 1000 Hz | 99.60 | 0.00 | | 81.53 | 12.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.77 |
| | 2000 Hz | 95.90 | 0.00 | | 81.53 | 32.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.13 |
| | 4000 Hz | 90.10 | 0.00 | | 81.53 | 110.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.63 |
| | 8000 Hz | 76.30 | 0.00 | | 81.53 | 393.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -395.29 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 81.14 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.56 |
| | 63 Hz | 111.60 | 0.00 | | 81.14 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.07 |
| | 125 Hz | 108.60 | 0.00 | | 81.14 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.14 |
| | 250 Hz | 106.50 | 0.00 | | 81.14 | 3.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.01 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 500 Hz | 102.90 | 0.00 | | 81.14 | 6.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.57 |
| | 1000 Hz | 99.60 | 0.00 | | 81.14 | 11.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.71 |
| | 2000 Hz | 95.90 | 0.00 | | 81.14 | 31.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.30 |
| | 4000 Hz | 90.10 | 0.00 | | 81.14 | 105.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -93.36 |
| | 8000 Hz | 76.30 | 0.00 | | 81.14 | 375.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -377.49 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.28 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.42 |
| | 63 Hz | 111.60 | 0.00 | | 80.28 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.96 |
| | 125 Hz | 108.60 | 0.00 | | 80.28 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.12 |
| | 250 Hz | 106.50 | 0.00 | | 80.28 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.18 |
| | 500 Hz | 102.90 | 0.00 | | 80.28 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.00 |
| | 1000 Hz | 99.60 | 0.00 | | 80.28 | 10.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.67 |
| | 2000 Hz | 95.90 | 0.00 | | 80.28 | 28.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -9.53 |
| | 4000 Hz | 90.10 | 0.00 | | 80.28 | 95.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.62 |
| | 8000 Hz | 76.30 | 0.00 | | 80.28 | 340.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -341.37 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.52 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.20 |
| | 63 Hz | 111.60 | 0.00 | | 79.52 | 0.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.76 |
| | 125 Hz | 108.60 | 0.00 | | 79.52 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.99 |
| | 250 Hz | 106.50 | 0.00 | | 79.52 | 2.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.20 |
| | 500 Hz | 102.90 | 0.00 | | 79.52 | 5.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.24 |
| | 1000 Hz | 99.60 | 0.00 | | 79.52 | 9.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.33 |
| | 2000 Hz | 95.90 | 0.00 | | 79.52 | 25.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.39 |
| | 4000 Hz | 90.10 | 0.00 | | 79.52 | 87.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.81 |
| | 8000 Hz | 76.30 | 0.00 | | 79.52 | 311.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -311.90 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.56 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.15 |
| | 63 Hz | 111.60 | 0.00 | | 79.56 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.71 |
| | 125 Hz | 108.60 | 0.00 | | 79.56 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.94 |
| | 250 Hz | 106.50 | 0.00 | | 79.56 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.14 |
| | 500 Hz | 102.90 | 0.00 | | 79.56 | 5.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.17 |
| | 1000 Hz | 99.60 | 0.00 | | 79.56 | 9.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.24 |
| | 2000 Hz | 95.90 | 0.00 | | 79.56 | 25.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.56 |
| | 4000 Hz | 90.10 | 0.00 | | 79.56 | 87.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.29 |
| | 8000 Hz | 76.30 | 0.00 | | 79.56 | 313.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -313.50 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 77.93 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.80 |
| | 63 Hz | 111.60 | 0.00 | | 77.93 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.40 |
| | 125 Hz | 108.60 | 0.00 | | 77.93 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.75 |
| | 250 Hz | 106.50 | 0.00 | | 77.93 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.25 |
| | 500 Hz | 102.90 | 0.00 | | 77.93 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.68 |
| | 1000 Hz | 99.60 | 0.00 | | 77.93 | 8.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.54 |
| | 2000 Hz | 95.90 | 0.00 | | 77.93 | 21.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.50 |
| | 4000 Hz | 90.10 | 0.00 | | 77.93 | 72.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -57.65 |
| | 8000 Hz | 76.30 | 0.00 | | 77.93 | 259.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -258.33 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 77.73 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.00 |
| | 63 Hz | 111.60 | 0.00 | | 77.73 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.60 |
| | 125 Hz | 108.60 | 0.00 | | 77.73 | 0.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.97 |
| | 250 Hz | 106.50 | 0.00 | | 77.73 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.50 |
| | 500 Hz | 102.90 | 0.00 | | 77.73 | 4.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.98 |
| | 1000 Hz | 99.60 | 0.00 | | 77.73 | 7.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.92 |
| | 2000 Hz | 95.90 | 0.00 | | 77.73 | 20.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.18 |
| | 4000 Hz | 90.10 | 0.00 | | 77.73 | 71.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -55.80 |
| | 8000 Hz | 76.30 | 0.00 | | 77.73 | 253.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -252.25 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|-----|---------|------|------|-----|------|-------|------|------|-----|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 81.32 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -71.82 |
| | 125 Hz | 5.20 | 0.00 | | 81.32 | 1.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -74.47 |
| | 250 Hz | 1.90 | 0.00 | | 81.32 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -79.84 |
| | 500 Hz | -1.30 | 0.00 | | 81.32 | 6.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -85.94 |
| | 1000 Hz | -5.00 | 0.00 | | 81.32 | 12.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -95.32 |
| | 2000 Hz | -8.20 | 0.00 | | 81.32 | 31.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.23 |
| | 4000 Hz | -12.00 | 0.00 | | 81.32 | 107.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -197.86 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 79.68 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.19 |
| | 125 Hz | 106.50 | 0.00 | | 79.68 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.71 |
| | 250 Hz | 103.20 | 0.00 | | 79.68 | 2.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.69 |
| | 500 Hz | 100.00 | 0.00 | | 79.68 | 5.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.09 |
| | 1000 Hz | 96.30 | 0.00 | | 79.68 | 9.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.69 |
| | 2000 Hz | 93.10 | 0.00 | | 79.68 | 26.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9.82 |
| | 4000 Hz | 89.30 | 0.00 | | 79.68 | 89.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -76.38 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.47 | 0.13 | -3.00 | 0.00 | 0.00 | 3.50 | 0.00 | 30.69 |
| | 63 Hz | 110.90 | 0.00 | | 83.47 | 0.51 | -3.00 | 0.00 | 0.00 | 1.70 | 0.00 | 28.21 |
| | 125 Hz | 108.00 | 0.00 | | 83.47 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.80 |
| | 250 Hz | 103.80 | 0.00 | | 83.47 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.94 |
| | 500 Hz | 101.90 | 0.00 | | 83.47 | 8.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.32 |
| | 1000 Hz | 98.90 | 0.00 | | 83.47 | 15.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 |
| | 2000 Hz | 94.60 | 0.00 | | 83.47 | 40.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.51 |
| | 4000 Hz | 88.20 | 0.00 | | 83.47 | 137.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -130.08 |
| | 8000 Hz | 78.80 | 0.00 | | 83.47 | 491.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -493.20 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.29 | 0.12 | -3.00 | 0.00 | 0.00 | 1.86 | 0.00 | 33.53 |
| | 63 Hz | 110.90 | 0.00 | | 82.29 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.16 |
| | 125 Hz | 108.00 | 0.00 | | 82.29 | 1.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.20 |
| | 250 Hz | 103.80 | 0.00 | | 82.29 | 3.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.68 |
| | 500 Hz | 101.90 | 0.00 | | 82.29 | 7.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.53 |
| | 1000 Hz | 98.90 | 0.00 | | 82.29 | 13.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.18 |
| | 2000 Hz | 94.60 | 0.00 | | 82.29 | 35.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.16 |
| | 4000 Hz | 88.20 | 0.00 | | 82.29 | 120.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -111.38 |
| | 8000 Hz | 78.80 | 0.00 | | 82.29 | 429.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -429.52 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 82.66 | 0.12 | -3.00 | 0.00 | 0.00 | 1.51 | 0.00 | 33.51 |
| | 63 Hz | 110.90 | 0.00 | | 82.66 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.77 |
| | 125 Hz | 108.00 | 0.00 | | 82.66 | 1.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.77 |
| | 250 Hz | 103.80 | 0.00 | | 82.66 | 3.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.15 |
| | 500 Hz | 101.90 | 0.00 | | 82.66 | 7.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.86 |
| | 1000 Hz | 98.90 | 0.00 | | 82.66 | 14.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 |
| | 2000 Hz | 94.60 | 0.00 | | 82.66 | 37.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -22.06 |
| | 4000 Hz | 88.20 | 0.00 | | 82.66 | 125.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -116.93 |
| | 8000 Hz | 78.80 | 0.00 | | 82.66 | 447.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -448.38 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 81.42 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.27 |
| | 63 Hz | 110.90 | 0.00 | | 81.42 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.08 |
| | 125 Hz | 108.00 | 0.00 | | 81.42 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.22 |
| | 250 Hz | 103.80 | 0.00 | | 81.42 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.92 |
| | 500 Hz | 101.90 | 0.00 | | 81.42 | 6.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.08 |
| | 1000 Hz | 98.90 | 0.00 | | 81.42 | 12.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.34 |
| | 2000 Hz | 94.60 | 0.00 | | 81.42 | 32.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -15.90 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 88.20 | 0.00 | | 81.42 | 108.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -99.01 |
| | 8000 Hz | 78.80 | 0.00 | | 81.42 | 388.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -387.63 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 79.64 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.47 |
| | 63 Hz | 122.10 | 0.00 | | 79.64 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.13 |
| | 125 Hz | 115.00 | 0.00 | | 79.64 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.25 |
| | 250 Hz | 108.00 | 0.00 | | 79.64 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.54 |
| | 500 Hz | 103.90 | 0.00 | | 79.64 | 5.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.04 |
| | 1000 Hz | 101.60 | 0.00 | | 79.64 | 9.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.06 |
| | 2000 Hz | 96.70 | 0.00 | | 79.64 | 26.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.09 |
| | 4000 Hz | 88.60 | 0.00 | | 79.64 | 88.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.70 |
| | 8000 Hz | 80.90 | 0.00 | | 79.64 | 316.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -311.94 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 80.38 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.76 |
| | 125 Hz | 109.80 | 0.00 | | 80.38 | 1.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.21 |
| | 250 Hz | 107.40 | 0.00 | | 80.38 | 3.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.95 |
| | 500 Hz | 101.60 | 0.00 | | 80.38 | 5.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.55 |
| | 1000 Hz | 94.50 | 0.00 | | 80.38 | 10.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.35 |
| | 2000 Hz | 88.00 | 0.00 | | 80.38 | 28.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.83 |
| | 4000 Hz | 85.30 | 0.00 | | 80.38 | 96.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.57 |
| | 8000 Hz | 79.90 | 0.00 | | 80.38 | 344.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -341.64 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.30 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.94 |
| | 125 Hz | 110.80 | 0.00 | | 80.30 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.30 |
| | 250 Hz | 105.10 | 0.00 | | 80.30 | 3.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.75 |
| | 500 Hz | 102.60 | 0.00 | | 80.30 | 5.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.67 |
| | 1000 Hz | 99.60 | 0.00 | | 80.30 | 10.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.62 |
| | 2000 Hz | 93.10 | 0.00 | | 80.30 | 28.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.42 |
| | 4000 Hz | 80.70 | 0.00 | | 80.30 | 95.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.28 |
| | 8000 Hz | 77.00 | 0.00 | | 80.30 | 341.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -341.53 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.28 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.96 |
| | 125 Hz | 110.80 | 0.00 | | 80.28 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.32 |
| | 250 Hz | 105.10 | 0.00 | | 80.28 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.78 |
| | 500 Hz | 102.60 | 0.00 | | 80.28 | 5.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.70 |
| | 1000 Hz | 99.60 | 0.00 | | 80.28 | 10.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.67 |
| | 2000 Hz | 93.10 | 0.00 | | 80.28 | 28.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.33 |
| | 4000 Hz | 80.70 | 0.00 | | 80.28 | 95.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.02 |
| | 8000 Hz | 77.00 | 0.00 | | 80.28 | 340.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -340.69 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 80.20 | 0.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.05 |
| | 125 Hz | 110.80 | 0.00 | | 80.20 | 1.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.42 |
| | 250 Hz | 105.10 | 0.00 | | 80.20 | 3.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.89 |
| | 500 Hz | 102.60 | 0.00 | | 80.20 | 5.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.84 |
| | 1000 Hz | 99.60 | 0.00 | | 80.20 | 10.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.85 |
| | 2000 Hz | 93.10 | 0.00 | | 80.20 | 27.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.97 |
| | 4000 Hz | 80.70 | 0.00 | | 80.20 | 94.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.02 |
| | 8000 Hz | 77.00 | 0.00 | | 80.20 | 337.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -337.33 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 80.48 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.56 |
| | 125 Hz | 104.80 | 0.00 | | 80.48 | 1.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.10 |
| | 250 Hz | 99.40 | 0.00 | | 80.48 | 3.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.81 |
| | 500 Hz | 95.00 | 0.00 | | 80.48 | 5.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.78 |
| | 1000 Hz | 93.20 | 0.00 | | 80.48 | 10.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.82 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 89.10 | 0.00 | | 80.48 | 28.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.17 |
| | 4000 Hz | 83.90 | 0.00 | | 80.48 | 97.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -91.21 |
| | 8000 Hz | 82.20 | 0.00 | | 80.48 | 348.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -343.51 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.45 | 1.14 | -3.00 | 0.00 | 0.00 | 3.93 | 0.00 | | 22.78 |
| | 125 Hz | 111.00 | 0.00 | | 90.45 | 3.86 | -3.00 | 0.00 | 0.00 | 2.90 | 0.00 | | 16.79 |
| | 250 Hz | 106.60 | 0.00 | | 90.45 | 9.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.35 |
| | 500 Hz | 103.70 | 0.00 | | 90.45 | 18.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.86 |
| | 1000 Hz | 99.80 | 0.00 | | 90.45 | 34.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.00 |
| | 2000 Hz | 95.60 | 0.00 | | 90.45 | 90.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.62 |
| | 4000 Hz | 86.90 | 0.00 | | 90.45 | 307.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -308.36 |
| | 8000 Hz | 65.40 | 0.00 | | 90.45 | 1097.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1119.90 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.99 | 1.08 | -3.00 | 0.00 | 0.00 | 3.77 | 0.00 | | 23.45 |
| | 125 Hz | 111.00 | 0.00 | | 89.99 | 3.66 | -3.00 | 0.00 | 0.00 | 2.49 | 0.00 | | 17.86 |
| | 250 Hz | 106.60 | 0.00 | | 89.99 | 9.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.32 |
| | 500 Hz | 103.70 | 0.00 | | 89.99 | 17.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.45 |
| | 1000 Hz | 99.80 | 0.00 | | 89.99 | 32.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.76 |
| | 2000 Hz | 95.60 | 0.00 | | 89.99 | 86.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -77.45 |
| | 4000 Hz | 86.90 | 0.00 | | 89.99 | 291.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -291.92 |
| | 8000 Hz | 65.40 | 0.00 | | 89.99 | 1040.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1062.45 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.07 | 0.97 | -3.00 | 0.00 | 0.00 | 3.56 | 0.00 | | 24.69 |
| | 125 Hz | 111.00 | 0.00 | | 89.07 | 3.29 | -3.00 | 0.00 | 0.00 | 1.91 | 0.00 | | 19.73 |
| | 250 Hz | 106.60 | 0.00 | | 89.07 | 8.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.17 |
| | 500 Hz | 103.70 | 0.00 | | 89.07 | 15.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.18 |
| | 1000 Hz | 99.80 | 0.00 | | 89.07 | 29.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.57 |
| | 2000 Hz | 95.60 | 0.00 | | 89.07 | 77.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.90 |
| | 4000 Hz | 86.90 | 0.00 | | 89.07 | 262.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -261.74 |
| | 8000 Hz | 65.40 | 0.00 | | 89.07 | 936.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -957.14 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.98 | 0.96 | -3.00 | 0.00 | 0.00 | 3.63 | 0.00 | | 24.33 |
| | 125 Hz | 110.20 | 0.00 | | 88.98 | 3.26 | -3.00 | 0.00 | 0.00 | 2.10 | 0.00 | | 18.86 |
| | 250 Hz | 105.30 | 0.00 | | 88.98 | 8.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.05 |
| | 500 Hz | 102.70 | 0.00 | | 88.98 | 15.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.44 |
| | 1000 Hz | 99.80 | 0.00 | | 88.98 | 28.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.17 |
| | 2000 Hz | 95.50 | 0.00 | | 88.98 | 76.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.09 |
| | 4000 Hz | 84.90 | 0.00 | | 88.98 | 259.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -260.86 |
| | 8000 Hz | 61.80 | 0.00 | | 88.98 | 926.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -950.73 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 88.98 | 0.96 | -3.00 | 0.00 | 0.00 | 3.60 | 0.00 | | 24.35 |
| | 125 Hz | 110.20 | 0.00 | | 88.98 | 3.26 | -3.00 | 0.00 | 0.00 | 2.03 | 0.00 | | 18.94 |
| | 250 Hz | 105.30 | 0.00 | | 88.98 | 8.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.05 |
| | 500 Hz | 102.70 | 0.00 | | 88.98 | 15.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.44 |
| | 1000 Hz | 99.80 | 0.00 | | 88.98 | 28.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.17 |
| | 2000 Hz | 95.50 | 0.00 | | 88.98 | 76.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.08 |
| | 4000 Hz | 84.90 | 0.00 | | 88.98 | 259.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -260.84 |
| | 8000 Hz | 61.80 | 0.00 | | 88.98 | 926.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -950.65 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.33 | 0.90 | -3.00 | 0.00 | 0.00 | 3.40 | 0.00 | | 25.67 |
| | 125 Hz | 111.00 | 0.00 | | 88.33 | 3.02 | -3.00 | 0.00 | 0.00 | 1.42 | 0.00 | | 21.22 |
| | 250 Hz | 106.60 | 0.00 | | 88.33 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.60 |
| | 500 Hz | 103.70 | 0.00 | | 88.33 | 14.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.19 |
| | 1000 Hz | 99.80 | 0.00 | | 88.33 | 26.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.43 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 95.60 | 0.00 | | 88.33 | 71.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.82 |
| | 4000 Hz | 86.90 | 0.00 | | 88.33 | 241.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -239.49 |
| | 8000 Hz | 65.40 | 0.00 | | 88.33 | 859.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -879.70 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 88.32 | 0.89 | -3.00 | 0.00 | 0.00 | 3.44 | 0.00 | | 25.64 |
| | 125 Hz | 111.00 | 0.00 | | 88.32 | 3.02 | -3.00 | 0.00 | 0.00 | 1.55 | 0.00 | | 21.11 |
| | 250 Hz | 106.60 | 0.00 | | 88.32 | 7.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.61 |
| | 500 Hz | 103.70 | 0.00 | | 88.32 | 14.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.21 |
| | 1000 Hz | 99.80 | 0.00 | | 88.32 | 26.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.40 |
| | 2000 Hz | 95.60 | 0.00 | | 88.32 | 71.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -60.74 |
| | 4000 Hz | 86.90 | 0.00 | | 88.32 | 240.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -239.26 |
| | 8000 Hz | 65.40 | 0.00 | | 88.32 | 858.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -878.89 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 78.74 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 125 Hz | 104.80 | 0.00 | | 78.74 | 1.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.06 |
| | 250 Hz | 101.20 | 0.00 | | 78.74 | 2.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.92 |
| | 500 Hz | 96.80 | 0.00 | | 78.74 | 4.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.36 |
| | 1000 Hz | 92.70 | 0.00 | | 78.74 | 8.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.04 |
| | 2000 Hz | 90.50 | 0.00 | | 78.74 | 23.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.80 |
| | 4000 Hz | 84.90 | 0.00 | | 78.74 | 79.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.75 |
| | 8000 Hz | 70.70 | 0.00 | | 78.74 | 285.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -290.04 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 68.32 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.79 |
| | 125 Hz | 106.90 | 0.00 | | 68.32 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.28 |
| | 250 Hz | 104.10 | 0.00 | | 68.32 | 0.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.01 |
| | 500 Hz | 100.40 | 0.00 | | 68.32 | 1.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.66 |
| | 1000 Hz | 96.10 | 0.00 | | 68.32 | 2.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.09 |
| | 2000 Hz | 90.70 | 0.00 | | 68.32 | 7.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.28 |
| | 4000 Hz | 83.90 | 0.00 | | 68.32 | 24.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.50 |
| | 8000 Hz | 75.80 | 0.00 | | 68.32 | 85.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.41 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 71.58 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.49 |
| | 125 Hz | 108.80 | 0.00 | | 71.58 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.78 |
| | 250 Hz | 106.10 | 0.00 | | 71.58 | 1.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.40 |
| | 500 Hz | 102.40 | 0.00 | | 71.58 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 1000 Hz | 98.10 | 0.00 | | 71.58 | 3.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.61 |
| | 2000 Hz | 92.80 | 0.00 | | 71.58 | 10.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.89 |
| | 4000 Hz | 85.90 | 0.00 | | 71.58 | 35.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.72 |
| | 8000 Hz | 77.90 | 0.00 | | 71.58 | 124.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -115.66 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 69.79 | 0.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.30 |
| | 125 Hz | 106.90 | 0.00 | | 69.79 | 0.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.75 |
| | 250 Hz | 104.10 | 0.00 | | 69.79 | 0.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.40 |
| | 500 Hz | 100.40 | 0.00 | | 69.79 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.93 |
| | 1000 Hz | 96.10 | 0.00 | | 69.79 | 3.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.13 |
| | 2000 Hz | 90.70 | 0.00 | | 69.79 | 8.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.50 |
| | 4000 Hz | 83.90 | 0.00 | | 69.79 | 28.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.40 |
| | 8000 Hz | 75.80 | 0.00 | | 69.79 | 101.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -92.69 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 77.99 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.93 |
| | 125 Hz | 108.80 | 0.00 | | 77.99 | 0.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.89 |
| | 250 Hz | 106.10 | 0.00 | | 77.99 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.77 |
| | 500 Hz | 102.40 | 0.00 | | 77.99 | 4.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.09 |
| | 1000 Hz | 98.10 | 0.00 | | 77.99 | 8.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.92 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 92.80 | 0.00 | | 77.99 | 21.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.82 |
| | 4000 Hz | 85.90 | 0.00 | | 77.99 | 73.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.42 |
| | 8000 Hz | 77.90 | 0.00 | | 77.99 | 261.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -258.61 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 79.59 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.19 |
| | 125 Hz | 110.70 | 0.00 | | 79.59 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.01 |
| | 250 Hz | 108.00 | 0.00 | | 79.59 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.61 |
| | 500 Hz | 104.50 | 0.00 | | 79.59 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.73 |
| | 1000 Hz | 100.10 | 0.00 | | 79.59 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.69 |
| | 2000 Hz | 94.80 | 0.00 | | 79.59 | 25.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -7.76 |
| | 4000 Hz | 87.90 | 0.00 | | 79.59 | 88.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.76 |
| | 8000 Hz | 79.90 | 0.00 | | 79.59 | 314.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -310.83 |

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| WEAI015 | WEA 4: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 80.78 | 0.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.14 |
| | 125 Hz | 110.90 | 0.00 | | 80.78 | 1.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.85 |
| | 250 Hz | 108.10 | 0.00 | | 80.78 | 3.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.10 |
| | 500 Hz | 104.40 | 0.00 | | 80.78 | 5.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.68 |
| | 1000 Hz | 100.10 | 0.00 | | 80.78 | 11.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.04 |
| | 2000 Hz | 94.80 | 0.00 | | 80.78 | 29.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -12.78 |
| | 4000 Hz | 88.00 | 0.00 | | 80.78 | 101.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -90.84 |
| | 8000 Hz | 80.00 | 0.00 | | 80.78 | 360.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -358.23 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 81.12 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.59 |
| | 125 Hz | 110.70 | 0.00 | | 81.12 | 1.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.26 |
| | 250 Hz | 108.00 | 0.00 | | 81.12 | 3.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.54 |
| | 500 Hz | 104.50 | 0.00 | | 81.12 | 6.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.20 |
| | 1000 Hz | 100.10 | 0.00 | | 81.12 | 11.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.25 |
| | 2000 Hz | 94.80 | 0.00 | | 81.12 | 30.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.31 |
| | 4000 Hz | 87.90 | 0.00 | | 81.12 | 105.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.30 |
| | 8000 Hz | 79.90 | 0.00 | | 81.12 | 374.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -373.01 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 81.86 | 0.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.02 |
| | 125 Hz | 110.90 | 0.00 | | 81.86 | 1.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.61 |
| | 250 Hz | 108.10 | 0.00 | | 81.86 | 3.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.60 |
| | 500 Hz | 104.40 | 0.00 | | 81.86 | 6.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.81 |
| | 1000 Hz | 100.10 | 0.00 | | 81.86 | 12.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.47 |
| | 2000 Hz | 94.80 | 0.00 | | 81.86 | 33.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.80 |
| | 4000 Hz | 88.00 | 0.00 | | 81.86 | 114.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.27 |
| | 8000 Hz | 80.00 | 0.00 | | 81.86 | 408.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -406.91 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.87 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.75 |
| | 125 Hz | 110.70 | 0.00 | | 82.87 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.22 |
| | 250 Hz | 108.00 | 0.00 | | 82.87 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.04 |
| | 500 Hz | 104.50 | 0.00 | | 82.87 | 7.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.07 |
| | 1000 Hz | 100.10 | 0.00 | | 82.87 | 14.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.88 |
| | 2000 Hz | 94.80 | 0.00 | | 82.87 | 37.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.98 |
| | 4000 Hz | 87.90 | 0.00 | | 82.87 | 128.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -120.52 |
| | 8000 Hz | 79.90 | 0.00 | | 82.87 | 458.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -458.45 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt033 | IP AE | 383088.42 | | 5777991.58 | | 67.624 | | 42.51 | |

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| ISO 9613-2 | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LfT |
|---------|-------------|--------|------|---------|-------|-------|------|------|-------|------|------|--------|
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 87.76 | 13.25 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | -5.77 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 81.58 | 6.50 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 5.22 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 84.24 | 8.83 | 4.63 | 0.00 | 0.00 | 0.14 | 0.00 | 0.17 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 79.01 | 4.84 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | -84.53 |

| ISO 9613-2 | | LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LfT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 84.83 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.77 |
| | 125 Hz | 102.50 | 0.00 | | 84.83 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.64 |
| | 250 Hz | 99.20 | 0.00 | | 84.83 | 5.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.24 |
| | 500 Hz | 96.00 | 0.00 | | 84.83 | 9.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 |
| | 1000 Hz | 92.30 | 0.00 | | 84.83 | 17.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.52 |
| | 2000 Hz | 89.10 | 0.00 | | 84.83 | 47.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -40.26 |
| | 4000 Hz | 85.30 | 0.00 | | 84.83 | 161.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -157.71 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 85.40 | 0.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.16 |
| | 125 Hz | 105.50 | 0.00 | | 85.40 | 2.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.95 |
| | 250 Hz | 102.20 | 0.00 | | 85.40 | 5.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.33 |
| | 500 Hz | 99.00 | 0.00 | | 85.40 | 10.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.49 |
| | 1000 Hz | 95.30 | 0.00 | | 85.40 | 19.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.29 |
| | 2000 Hz | 92.10 | 0.00 | | 85.40 | 50.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -41.01 |
| | 4000 Hz | 88.30 | 0.00 | | 85.40 | 171.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -166.06 |

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| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.35 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.86 |
| | 63 Hz | 116.40 | 0.00 | | 86.35 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.33 |
| | 125 Hz | 110.70 | 0.00 | | 86.35 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.94 |
| | 250 Hz | 104.40 | 0.00 | | 86.35 | 6.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.94 |
| | 500 Hz | 101.20 | 0.00 | | 86.35 | 11.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.56 |
| | 1000 Hz | 99.40 | 0.00 | | 86.35 | 21.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.38 |
| | 2000 Hz | 93.80 | 0.00 | | 86.35 | 56.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -46.16 |
| | 4000 Hz | 86.70 | 0.00 | | 86.35 | 191.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -188.63 |
| | 8000 Hz | 78.40 | 0.00 | | 86.35 | 684.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -689.66 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.60 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.67 |
| | 63 Hz | 116.40 | 0.00 | | 83.60 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.28 |
| | 125 Hz | 110.70 | 0.00 | | 83.60 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.35 |
| | 250 Hz | 104.40 | 0.00 | | 83.60 | 4.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.35 |
| | 500 Hz | 101.20 | 0.00 | | 83.60 | 8.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.38 |
| | 1000 Hz | 99.40 | 0.00 | | 83.60 | 15.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 |
| | 2000 Hz | 93.80 | 0.00 | | 83.60 | 41.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.02 |
| | 4000 Hz | 86.70 | 0.00 | | 83.60 | 139.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.68 |
| | 8000 Hz | 78.40 | 0.00 | | 83.60 | 498.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -500.74 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.04 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.18 |
| | 63 Hz | 116.40 | 0.00 | | 86.04 | 0.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.67 |
| | 125 Hz | 110.70 | 0.00 | | 86.04 | 2.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.34 |
| | 250 Hz | 104.40 | 0.00 | | 86.04 | 5.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.47 |
| | 500 Hz | 101.20 | 0.00 | | 86.04 | 10.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.27 |
| | 1000 Hz | 99.40 | 0.00 | | 86.04 | 20.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.30 |
| | 2000 Hz | 93.80 | 0.00 | | 86.04 | 54.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -43.83 |
| | 4000 Hz | 86.70 | 0.00 | | 86.04 | 185.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -181.48 |
| | 8000 Hz | 78.40 | 0.00 | | 86.04 | 660.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -664.98 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 86.37 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.84 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 86.37 | 0.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.32 |
| | 125 Hz | 110.70 | 0.00 | | 86.37 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.92 |
| | 250 Hz | 104.40 | 0.00 | | 86.37 | 6.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.91 |
| | 500 Hz | 101.20 | 0.00 | | 86.37 | 11.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.52 |
| | 1000 Hz | 99.40 | 0.00 | | 86.37 | 21.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.43 |
| | 2000 Hz | 93.80 | 0.00 | | 86.37 | 56.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.27 |
| | 4000 Hz | 86.70 | 0.00 | | 86.37 | 192.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -188.95 |
| | 8000 Hz | 78.40 | 0.00 | | 86.37 | 685.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -690.79 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.08 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.15 |
| | 63 Hz | 116.40 | 0.00 | | 85.08 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.70 |
| | 125 Hz | 110.70 | 0.00 | | 85.08 | 2.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.54 |
| | 250 Hz | 104.40 | 0.00 | | 85.08 | 5.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.04 |
| | 500 Hz | 101.20 | 0.00 | | 85.08 | 9.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.36 |
| | 1000 Hz | 99.40 | 0.00 | | 85.08 | 18.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.19 |
| | 2000 Hz | 93.80 | 0.00 | | 85.08 | 48.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.19 |
| | 4000 Hz | 86.70 | 0.00 | | 85.08 | 165.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -161.25 |
| | 8000 Hz | 78.40 | 0.00 | | 85.08 | 591.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -595.26 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.23 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.00 |
| | 63 Hz | 116.40 | 0.00 | | 85.23 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.54 |
| | 125 Hz | 110.70 | 0.00 | | 85.23 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.35 |
| | 250 Hz | 104.40 | 0.00 | | 85.23 | 5.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.79 |
| | 500 Hz | 101.20 | 0.00 | | 85.23 | 9.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.04 |
| | 1000 Hz | 99.40 | 0.00 | | 85.23 | 18.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.67 |
| | 2000 Hz | 93.80 | 0.00 | | 85.23 | 49.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.20 |
| | 4000 Hz | 86.70 | 0.00 | | 85.23 | 168.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -164.31 |
| | 8000 Hz | 78.40 | 0.00 | | 85.23 | 601.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -605.80 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.86 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.37 |
| | 63 Hz | 116.40 | 0.00 | | 85.86 | 0.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.87 |
| | 125 Hz | 110.70 | 0.00 | | 85.86 | 2.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.57 |
| | 250 Hz | 104.40 | 0.00 | | 85.86 | 5.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.77 |
| | 500 Hz | 101.20 | 0.00 | | 85.86 | 10.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.68 |
| | 1000 Hz | 99.40 | 0.00 | | 85.86 | 20.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.69 |
| | 2000 Hz | 93.80 | 0.00 | | 85.86 | 53.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.52 |
| | 4000 Hz | 86.70 | 0.00 | | 85.86 | 181.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -177.46 |
| | 8000 Hz | 78.40 | 0.00 | | 85.86 | 646.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -651.10 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.83 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.42 |
| | 63 Hz | 116.40 | 0.00 | | 84.83 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.98 |
| | 125 Hz | 110.70 | 0.00 | | 84.83 | 2.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.86 |
| | 250 Hz | 104.40 | 0.00 | | 84.83 | 5.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.45 |
| | 500 Hz | 101.20 | 0.00 | | 84.83 | 9.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.91 |
| | 1000 Hz | 99.40 | 0.00 | | 84.83 | 17.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.39 |
| | 2000 Hz | 93.80 | 0.00 | | 84.83 | 47.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.50 |
| | 4000 Hz | 86.70 | 0.00 | | 84.83 | 161.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -156.13 |
| | 8000 Hz | 78.40 | 0.00 | | 84.83 | 574.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -577.69 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 84.77 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.17 |
| | 63 Hz | 113.10 | 0.00 | | 84.77 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.73 |
| | 125 Hz | 107.40 | 0.00 | | 84.77 | 2.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.62 |
| | 250 Hz | 101.10 | 0.00 | | 84.77 | 5.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.23 |
| | 500 Hz | 97.90 | 0.00 | | 84.77 | 9.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.72 |
| | 1000 Hz | 96.10 | 0.00 | | 84.77 | 17.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.53 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | Lft |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | Lft |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 90.50 | 0.00 | | 84.77 | 47.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.46 |
| | 4000 Hz | 83.40 | 0.00 | | 84.77 | 160.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -158.39 |
| | 8000 Hz | 75.10 | 0.00 | | 84.77 | 570.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -577.40 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.29 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.94 |
| | 63 Hz | 116.40 | 0.00 | | 85.29 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.48 |
| | 125 Hz | 110.70 | 0.00 | | 85.29 | 2.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.28 |
| | 250 Hz | 104.40 | 0.00 | | 85.29 | 5.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.70 |
| | 500 Hz | 101.20 | 0.00 | | 85.29 | 9.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.92 |
| | 1000 Hz | 99.40 | 0.00 | | 85.29 | 18.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.85 |
| | 2000 Hz | 93.80 | 0.00 | | 85.29 | 50.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -38.58 |
| | 4000 Hz | 86.70 | 0.00 | | 85.29 | 169.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -165.45 |
| | 8000 Hz | 78.40 | 0.00 | | 85.29 | 605.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -609.72 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 85.96 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.26 |
| | 63 Hz | 116.40 | 0.00 | | 85.96 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.76 |
| | 125 Hz | 110.70 | 0.00 | | 85.96 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.44 |
| | 250 Hz | 104.40 | 0.00 | | 85.96 | 5.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.60 |
| | 500 Hz | 101.20 | 0.00 | | 85.96 | 10.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.44 |
| | 1000 Hz | 99.40 | 0.00 | | 85.96 | 20.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.04 |
| | 2000 Hz | 93.80 | 0.00 | | 85.96 | 54.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -43.28 |
| | 4000 Hz | 86.70 | 0.00 | | 85.96 | 183.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -179.78 |
| | 8000 Hz | 78.40 | 0.00 | | 85.96 | 654.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -659.11 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 87.43 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.46 |
| | 125 Hz | 104.80 | 0.00 | | 87.43 | 2.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.64 |
| | 250 Hz | 101.50 | 0.00 | | 87.43 | 6.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.15 |
| | 500 Hz | 97.10 | 0.00 | | 87.43 | 12.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.12 |
| | 1000 Hz | 91.00 | 0.00 | | 87.43 | 24.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.69 |
| | 2000 Hz | 86.30 | 0.00 | | 87.43 | 64.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -62.23 |
| | 4000 Hz | 80.30 | 0.00 | | 87.43 | 217.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.48 |
| | 8000 Hz | 74.00 | 0.00 | | 87.43 | 775.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -785.65 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.70 | 0.22 | -3.00 | 0.00 | 0.00 | 2.40 | 0.00 | | 27.69 |
| | 63 Hz | 113.00 | 0.00 | | 87.70 | 0.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.47 |
| | 125 Hz | 108.60 | 0.00 | | 87.70 | 2.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.09 |
| | 250 Hz | 105.70 | 0.00 | | 87.70 | 7.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.87 |
| | 500 Hz | 101.70 | 0.00 | | 87.70 | 13.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.82 |
| | 1000 Hz | 95.50 | 0.00 | | 87.70 | 25.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.20 |
| | 2000 Hz | 89.70 | 0.00 | | 87.70 | 66.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -61.07 |
| | 4000 Hz | 82.20 | 0.00 | | 87.70 | 224.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -226.57 |
| | 8000 Hz | 74.00 | 0.00 | | 87.70 | 799.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -809.90 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 87.50 | 0.21 | -3.00 | 0.00 | 0.00 | 2.55 | 0.00 | | 27.74 |
| | 63 Hz | 113.00 | 0.00 | | 87.50 | 0.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.69 |
| | 125 Hz | 108.60 | 0.00 | | 87.50 | 2.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.36 |
| | 250 Hz | 105.70 | 0.00 | | 87.50 | 6.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.24 |
| | 500 Hz | 101.70 | 0.00 | | 87.50 | 12.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.33 |
| | 1000 Hz | 95.50 | 0.00 | | 87.50 | 24.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.43 |
| | 2000 Hz | 89.70 | 0.00 | | 87.50 | 64.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -59.36 |
| | 4000 Hz | 82.20 | 0.00 | | 87.50 | 218.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -221.24 |
| | 8000 Hz | 74.00 | 0.00 | | 87.50 | 780.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -791.40 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 87.39 | 0.21 | -3.00 | 0.00 | 0.00 | 3.86 | 0.00 | | 26.44 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 63 Hz | 111.30 | 0.00 | | 87.39 | 0.80 | -3.00 | 0.00 | 0.00 | 2.71 | 0.00 | 23.39 |
| | 125 Hz | 107.40 | 0.00 | | 87.39 | 2.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.30 |
| | 250 Hz | 102.80 | 0.00 | | 87.39 | 6.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.53 |
| | 500 Hz | 99.70 | 0.00 | | 87.39 | 12.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.59 |
| | 1000 Hz | 96.60 | 0.00 | | 87.39 | 24.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.93 |
| | 2000 Hz | 91.70 | 0.00 | | 87.39 | 63.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -56.47 |
| | 4000 Hz | 85.00 | 0.00 | | 87.39 | 216.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -215.69 |
| | 8000 Hz | 87.30 | 0.00 | | 87.39 | 771.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -768.55 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 87.93 | 0.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.12 |
| | 125 Hz | 108.60 | 0.00 | | 87.93 | 2.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.79 |
| | 250 Hz | 103.40 | 0.00 | | 87.93 | 7.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.15 |
| | 500 Hz | 99.10 | 0.00 | | 87.93 | 13.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 |
| | 1000 Hz | 98.00 | 0.00 | | 87.93 | 25.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.60 |
| | 2000 Hz | 89.80 | 0.00 | | 87.93 | 67.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -62.97 |
| | 4000 Hz | 85.30 | 0.00 | | 87.93 | 230.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -229.71 |
| | 8000 Hz | 80.10 | 0.00 | | 87.93 | 820.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -825.44 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 87.73 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.65 |
| | 63 Hz | 112.30 | 0.00 | | 87.73 | 0.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.74 |
| | 125 Hz | 108.10 | 0.00 | | 87.73 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.55 |
| | 250 Hz | 103.50 | 0.00 | | 87.73 | 7.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.61 |
| | 500 Hz | 100.70 | 0.00 | | 87.73 | 13.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 |
| | 1000 Hz | 98.30 | 0.00 | | 87.73 | 25.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.53 |
| | 2000 Hz | 93.80 | 0.00 | | 87.73 | 66.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.25 |
| | 4000 Hz | 86.20 | 0.00 | | 87.73 | 224.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -223.44 |
| | 8000 Hz | 78.20 | 0.00 | | 87.73 | 802.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -808.70 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 87.72 | 0.22 | -3.00 | 0.00 | 0.00 | 3.76 | 0.00 | 27.90 |
| | 63 Hz | 111.70 | 0.00 | | 87.72 | 0.83 | -3.00 | 0.00 | 0.00 | 2.44 | 0.00 | 23.70 |
| | 125 Hz | 106.40 | 0.00 | | 87.72 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.86 |
| | 250 Hz | 102.10 | 0.00 | | 87.72 | 7.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.23 |
| | 500 Hz | 99.10 | 0.00 | | 87.72 | 13.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 |
| | 1000 Hz | 96.90 | 0.00 | | 87.72 | 25.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -12.90 |
| | 2000 Hz | 90.50 | 0.00 | | 87.72 | 66.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -60.49 |
| | 4000 Hz | 81.00 | 0.00 | | 87.72 | 224.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -228.43 |
| | 8000 Hz | 76.50 | 0.00 | | 87.72 | 801.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -809.69 |

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| WEAI138 | VWEA 21: V52* | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 87.75 | 0.22 | -3.00 | 0.00 | 0.00 | 4.00 | 0.00 | 29.53 |
| | 63 Hz | 110.40 | 0.00 | | 87.75 | 0.84 | -3.00 | 0.00 | 0.00 | 3.07 | 0.00 | 21.74 |
| | 125 Hz | 107.20 | 0.00 | | 87.75 | 2.83 | -3.00 | 0.00 | 0.00 | 0.30 | 0.00 | 19.32 |
| | 250 Hz | 101.70 | 0.00 | | 87.75 | 7.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.78 |
| | 500 Hz | 98.20 | 0.00 | | 87.75 | 13.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| | 1000 Hz | 95.60 | 0.00 | | 87.75 | 25.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.30 |
| | 2000 Hz | 93.70 | 0.00 | | 87.75 | 66.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -57.52 |
| | 4000 Hz | 90.70 | 0.00 | | 87.75 | 225.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -219.47 |
| | 8000 Hz | 79.50 | 0.00 | | 87.75 | 803.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -809.24 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 76.51 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.23 |
| | 63 Hz | 111.60 | 0.00 | | 76.51 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.86 |
| | 125 Hz | 108.60 | 0.00 | | 76.51 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.31 |
| | 250 Hz | 106.50 | 0.00 | | 76.51 | 1.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.02 |
| | 500 Hz | 102.90 | 0.00 | | 76.51 | 3.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.75 |
| | 1000 Hz | 99.60 | 0.00 | | 76.51 | 6.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.19 |
| | 2000 Hz | 95.90 | 0.00 | | 76.51 | 18.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.16 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 90.10 | 0.00 | | 76.51 | 61.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.23 |
| | 8000 Hz | 76.30 | 0.00 | | 76.51 | 220.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -217.70 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 75.43 | 0.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.32 |
| | 63 Hz | 111.60 | 0.00 | | 75.43 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.97 |
| | 125 Hz | 108.60 | 0.00 | | 75.43 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.49 |
| | 250 Hz | 106.50 | 0.00 | | 75.43 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.33 |
| | 500 Hz | 102.90 | 0.00 | | 75.43 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.26 |
| | 1000 Hz | 99.60 | 0.00 | | 75.43 | 6.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.08 |
| | 2000 Hz | 95.90 | 0.00 | | 75.43 | 16.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.38 |
| | 4000 Hz | 90.10 | 0.00 | | 75.43 | 54.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.91 |
| | 8000 Hz | 76.30 | 0.00 | | 75.43 | 194.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.80 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 76.58 | 0.06 | -3.00 | 0.00 | 0.00 | 2.06 | 0.00 | | 38.11 |
| | 63 Hz | 111.60 | 0.00 | | 76.58 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.79 |
| | 125 Hz | 108.60 | 0.00 | | 76.58 | 0.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.24 |
| | 250 Hz | 106.50 | 0.00 | | 76.58 | 1.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.94 |
| | 500 Hz | 102.90 | 0.00 | | 76.58 | 3.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.66 |
| | 1000 Hz | 99.60 | 0.00 | | 76.58 | 6.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.07 |
| | 2000 Hz | 95.90 | 0.00 | | 76.58 | 18.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.96 |
| | 4000 Hz | 90.10 | 0.00 | | 76.58 | 62.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -45.75 |
| | 8000 Hz | 76.30 | 0.00 | | 76.58 | 222.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -219.40 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 74.74 | 0.05 | -3.00 | 0.00 | 0.00 | 1.57 | 0.00 | | 40.44 |
| | 63 Hz | 111.60 | 0.00 | | 74.74 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.67 |
| | 125 Hz | 108.60 | 0.00 | | 74.74 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.23 |
| | 250 Hz | 106.50 | 0.00 | | 74.74 | 1.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.15 |
| | 500 Hz | 102.90 | 0.00 | | 74.74 | 2.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.19 |
| | 1000 Hz | 99.60 | 0.00 | | 74.74 | 5.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.23 |
| | 2000 Hz | 95.90 | 0.00 | | 74.74 | 14.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.29 |
| | 4000 Hz | 90.10 | 0.00 | | 74.74 | 50.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.06 |
| | 8000 Hz | 76.30 | 0.00 | | 74.74 | 179.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -175.27 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 71.55 | 0.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 45.21 |
| | 63 Hz | 111.60 | 0.00 | | 71.55 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.92 |
| | 125 Hz | 108.60 | 0.00 | | 71.55 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.61 |
| | 250 Hz | 106.50 | 0.00 | | 71.55 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.84 |
| | 500 Hz | 102.90 | 0.00 | | 71.55 | 2.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.29 |
| | 1000 Hz | 99.60 | 0.00 | | 71.55 | 3.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.15 |
| | 2000 Hz | 95.90 | 0.00 | | 71.55 | 10.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.05 |
| | 4000 Hz | 90.10 | 0.00 | | 71.55 | 34.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -13.38 |
| | 8000 Hz | 76.30 | 0.00 | | 71.55 | 124.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -116.84 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 75.42 | 0.05 | -3.00 | 0.00 | 0.00 | 0.31 | 0.00 | | 41.02 |
| | 63 Hz | 111.60 | 0.00 | | 75.42 | 0.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.98 |
| | 125 Hz | 108.60 | 0.00 | | 75.42 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.50 |
| | 250 Hz | 106.50 | 0.00 | | 75.42 | 1.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.34 |
| | 500 Hz | 102.90 | 0.00 | | 75.42 | 3.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.27 |
| | 1000 Hz | 99.60 | 0.00 | | 75.42 | 6.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.10 |
| | 2000 Hz | 95.90 | 0.00 | | 75.42 | 16.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.40 |
| | 4000 Hz | 90.10 | 0.00 | | 75.42 | 54.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.84 |
| | 8000 Hz | 76.30 | 0.00 | | 75.42 | 194.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.58 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 71.84 | 0.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 44.92 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 111.60 | 0.00 | | 71.84 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.62 |
| | 125 Hz | 108.60 | 0.00 | | 71.84 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.30 |
| | 250 Hz | 106.50 | 0.00 | | 71.84 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.51 |
| | 500 Hz | 102.90 | 0.00 | | 71.84 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.93 |
| | 1000 Hz | 99.60 | 0.00 | | 71.84 | 4.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.73 |
| | 2000 Hz | 95.90 | 0.00 | | 71.84 | 10.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.41 |
| | 4000 Hz | 90.10 | 0.00 | | 71.84 | 36.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -14.86 |
| | 8000 Hz | 76.30 | 0.00 | | 71.84 | 128.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.36 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 68.19 | 0.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 48.59 |
| | 63 Hz | 111.60 | 0.00 | | 68.19 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.32 |
| | 125 Hz | 108.60 | 0.00 | | 68.19 | 0.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 43.11 |
| | 250 Hz | 106.50 | 0.00 | | 68.19 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.55 |
| | 500 Hz | 102.90 | 0.00 | | 68.19 | 1.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.31 |
| | 1000 Hz | 99.60 | 0.00 | | 68.19 | 2.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.76 |
| | 2000 Hz | 95.90 | 0.00 | | 68.19 | 7.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.71 |
| | 4000 Hz | 90.10 | 0.00 | | 68.19 | 23.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.19 |
| | 8000 Hz | 76.30 | 0.00 | | 68.19 | 84.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.50 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 75.09 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -65.38 |
| | 125 Hz | 5.20 | 0.00 | | 75.09 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.55 |
| | 250 Hz | 1.90 | 0.00 | | 75.09 | 1.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.86 |
| | 500 Hz | -1.30 | 0.00 | | 75.09 | 3.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -76.47 |
| | 1000 Hz | -5.00 | 0.00 | | 75.09 | 5.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -82.94 |
| | 2000 Hz | -8.20 | 0.00 | | 75.09 | 15.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -95.76 |
| | 4000 Hz | -12.00 | 0.00 | | 75.09 | 52.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -136.56 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 83.85 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.81 |
| | 125 Hz | 106.50 | 0.00 | | 83.85 | 1.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.84 |
| | 250 Hz | 103.20 | 0.00 | | 83.85 | 4.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.77 |
| | 500 Hz | 100.00 | 0.00 | | 83.85 | 8.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.68 |
| | 1000 Hz | 96.30 | 0.00 | | 83.85 | 16.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.61 |
| | 2000 Hz | 93.10 | 0.00 | | 83.85 | 42.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -30.20 |
| | 4000 Hz | 89.30 | 0.00 | | 83.85 | 143.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -135.49 |

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| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 86.52 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.09 |
| | 63 Hz | 110.90 | 0.00 | | 86.52 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.66 |
| | 125 Hz | 108.00 | 0.00 | | 86.52 | 2.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.03 |
| | 250 Hz | 103.80 | 0.00 | | 86.52 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.06 |
| | 500 Hz | 101.90 | 0.00 | | 86.52 | 11.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.88 |
| | 1000 Hz | 98.90 | 0.00 | | 86.52 | 21.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.45 |
| | 2000 Hz | 94.60 | 0.00 | | 86.52 | 57.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -46.60 |
| | 4000 Hz | 88.20 | 0.00 | | 86.52 | 195.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -190.94 |
| | 8000 Hz | 78.80 | 0.00 | | 86.52 | 697.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -702.43 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.70 | 0.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.93 |
| | 63 Hz | 110.90 | 0.00 | | 85.70 | 0.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.54 |
| | 125 Hz | 108.00 | 0.00 | | 85.70 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.07 |
| | 250 Hz | 103.80 | 0.00 | | 85.70 | 5.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.43 |
| | 500 Hz | 101.90 | 0.00 | | 85.70 | 10.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.73 |
| | 1000 Hz | 98.90 | 0.00 | | 85.70 | 19.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.67 |
| | 2000 Hz | 94.60 | 0.00 | | 85.70 | 52.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -40.61 |
| | 4000 Hz | 88.20 | 0.00 | | 85.70 | 178.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -172.58 |
| | 8000 Hz | 78.80 | 0.00 | | 85.70 | 635.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -639.05 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.94 | 0.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.68 |
| | 63 Hz | 110.90 | 0.00 | | 85.94 | 0.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.28 |
| | 125 Hz | 108.00 | 0.00 | | 85.94 | 2.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.76 |
| | 250 Hz | 103.80 | 0.00 | | 85.94 | 5.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.03 |
| | 500 Hz | 101.90 | 0.00 | | 85.94 | 10.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.18 |
| | 1000 Hz | 98.90 | 0.00 | | 85.94 | 20.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.48 |
| | 2000 Hz | 94.60 | 0.00 | | 85.94 | 54.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -42.35 |
| | 4000 Hz | 88.20 | 0.00 | | 85.94 | 183.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -177.89 |
| | 8000 Hz | 78.80 | 0.00 | | 85.94 | 653.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -657.35 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.12 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.52 |
| | 63 Hz | 110.90 | 0.00 | | 85.12 | 0.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.16 |
| | 125 Hz | 108.00 | 0.00 | | 85.12 | 2.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.79 |
| | 250 Hz | 103.80 | 0.00 | | 85.12 | 5.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.38 |
| | 500 Hz | 101.90 | 0.00 | | 85.12 | 9.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.98 |
| | 1000 Hz | 98.90 | 0.00 | | 85.12 | 18.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.81 |
| | 2000 Hz | 94.60 | 0.00 | | 85.12 | 49.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.65 |
| | 4000 Hz | 88.20 | 0.00 | | 85.12 | 166.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -160.52 |
| | 8000 Hz | 78.80 | 0.00 | | 85.12 | 594.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -597.51 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 83.76 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.30 |
| | 63 Hz | 122.10 | 0.00 | | 83.76 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.81 |
| | 125 Hz | 115.00 | 0.00 | | 83.76 | 1.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.45 |
| | 250 Hz | 108.00 | 0.00 | | 83.76 | 4.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.70 |
| | 500 Hz | 103.90 | 0.00 | | 83.76 | 8.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.75 |
| | 1000 Hz | 101.60 | 0.00 | | 83.76 | 15.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.93 |
| | 2000 Hz | 96.70 | 0.00 | | 83.76 | 42.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.08 |
| | 4000 Hz | 88.60 | 0.00 | | 83.76 | 142.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -134.66 |
| | 8000 Hz | 80.90 | 0.00 | | 83.76 | 508.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -508.09 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 84.29 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.65 |
| | 125 Hz | 109.80 | 0.00 | | 84.29 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.61 |
| | 250 Hz | 107.40 | 0.00 | | 84.29 | 4.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.29 |
| | 500 Hz | 101.60 | 0.00 | | 84.29 | 8.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.41 |
| | 1000 Hz | 94.50 | 0.00 | | 84.29 | 16.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.68 |
| | 2000 Hz | 88.00 | 0.00 | | 84.29 | 44.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.93 |
| | 4000 Hz | 85.30 | 0.00 | | 84.29 | 151.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.36 |
| | 8000 Hz | 79.90 | 0.00 | | 84.29 | 539.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -541.27 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 84.30 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.74 |
| | 125 Hz | 110.80 | 0.00 | | 84.30 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.60 |
| | 250 Hz | 105.10 | 0.00 | | 84.30 | 4.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.97 |
| | 500 Hz | 102.60 | 0.00 | | 84.30 | 8.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.39 |
| | 1000 Hz | 99.60 | 0.00 | | 84.30 | 16.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.39 |
| | 2000 Hz | 93.10 | 0.00 | | 84.30 | 44.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.90 |
| | 4000 Hz | 80.70 | 0.00 | | 84.30 | 151.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.17 |
| | 8000 Hz | 77.00 | 0.00 | | 84.30 | 540.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -544.89 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 84.34 | 0.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.70 |
| | 125 Hz | 110.80 | 0.00 | | 84.34 | 1.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.55 |
| | 250 Hz | 105.10 | 0.00 | | 84.34 | 4.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.92 |
| | 500 Hz | 102.60 | 0.00 | | 84.34 | 8.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.31 |
| | 1000 Hz | 99.60 | 0.00 | | 84.34 | 16.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.28 |
| | 2000 Hz | 93.10 | 0.00 | | 84.34 | 44.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.12 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 80.70 | 0.00 | | 84.34 | 152.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.84 |
| | 8000 Hz | 77.00 | 0.00 | | 84.34 | 542.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -547.19 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 84.32 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.72 |
| | 125 Hz | 110.80 | 0.00 | | 84.32 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.58 |
| | 250 Hz | 105.10 | 0.00 | | 84.32 | 4.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.95 |
| | 500 Hz | 102.60 | 0.00 | | 84.32 | 8.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.35 |
| | 1000 Hz | 99.60 | 0.00 | | 84.32 | 16.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.33 |
| | 2000 Hz | 93.10 | 0.00 | | 84.32 | 44.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.01 |
| | 4000 Hz | 80.70 | 0.00 | | 84.32 | 151.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -152.52 |
| | 8000 Hz | 77.00 | 0.00 | | 84.32 | 541.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -546.10 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 84.23 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.62 |
| | 125 Hz | 104.80 | 0.00 | | 84.23 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.69 |
| | 250 Hz | 99.40 | 0.00 | | 84.23 | 4.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.39 |
| | 500 Hz | 95.00 | 0.00 | | 84.23 | 8.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.94 |
| | 1000 Hz | 93.20 | 0.00 | | 84.23 | 16.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.80 |
| | 2000 Hz | 89.10 | 0.00 | | 84.23 | 44.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -36.44 |
| | 4000 Hz | 83.90 | 0.00 | | 84.23 | 150.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -147.59 |
| | 8000 Hz | 82.20 | 0.00 | | 84.23 | 535.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -534.98 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.42 | 1.28 | -3.00 | 0.00 | 0.00 | 3.80 | 0.00 | | 21.80 |
| | 125 Hz | 111.00 | 0.00 | | 91.42 | 4.32 | -3.00 | 0.00 | 0.00 | 2.58 | 0.00 | | 15.68 |
| | 250 Hz | 106.60 | 0.00 | | 91.42 | 10.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.22 |
| | 500 Hz | 103.70 | 0.00 | | 91.42 | 20.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -4.97 |
| | 1000 Hz | 99.80 | 0.00 | | 91.42 | 38.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.04 |
| | 2000 Hz | 95.60 | 0.00 | | 91.42 | 101.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.32 |
| | 4000 Hz | 86.90 | 0.00 | | 91.42 | 344.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -345.72 |
| | 8000 Hz | 65.40 | 0.00 | | 91.42 | 1227.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1250.64 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.96 | 1.21 | -3.00 | 0.00 | 0.00 | 1.96 | 0.00 | | 24.17 |
| | 125 Hz | 111.00 | 0.00 | | 90.96 | 4.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.94 |
| | 250 Hz | 106.60 | 0.00 | | 90.96 | 10.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.25 |
| | 500 Hz | 103.70 | 0.00 | | 90.96 | 19.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.46 |
| | 1000 Hz | 99.80 | 0.00 | | 90.96 | 36.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.58 |
| | 2000 Hz | 95.60 | 0.00 | | 90.96 | 96.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.61 |
| | 4000 Hz | 86.90 | 0.00 | | 90.96 | 326.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -327.43 |
| | 8000 Hz | 65.40 | 0.00 | | 90.96 | 1164.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1186.61 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.16 | 1.11 | -3.00 | 0.00 | 0.00 | 2.42 | 0.00 | | 24.61 |
| | 125 Hz | 111.00 | 0.00 | | 90.16 | 3.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.10 |
| | 250 Hz | 106.60 | 0.00 | | 90.16 | 9.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.96 |
| | 500 Hz | 103.70 | 0.00 | | 90.16 | 17.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.97 |
| | 1000 Hz | 99.80 | 0.00 | | 90.16 | 33.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.58 |
| | 2000 Hz | 95.60 | 0.00 | | 90.16 | 87.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.34 |
| | 4000 Hz | 86.90 | 0.00 | | 90.16 | 297.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -297.92 |
| | 8000 Hz | 65.40 | 0.00 | | 90.16 | 1061.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1083.41 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 90.14 | 1.10 | -3.00 | 0.00 | 0.00 | 2.12 | 0.00 | | 24.54 |
| | 125 Hz | 110.20 | 0.00 | | 90.14 | 3.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.33 |
| | 250 Hz | 105.30 | 0.00 | | 90.14 | 9.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.71 |
| | 500 Hz | 102.70 | 0.00 | | 90.14 | 17.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.91 |
| | 1000 Hz | 99.80 | 0.00 | | 90.14 | 33.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.48 |
| | 2000 Hz | 95.50 | 0.00 | | 90.14 | 87.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.21 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|--|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 84.90 | 0.00 | | 90.14 | 296.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -299.19 |
| | 8000 Hz | 61.80 | 0.00 | | 90.14 | 1059.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1084.45 |

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|---------|---------------------|--------|------|--|-------|---------|-------|------|------|------|------|--|----------|
| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 90.20 | 1.11 | -3.00 | 0.00 | 0.00 | 1.59 | 0.00 | | 25.00 |
| | 125 Hz | 110.20 | 0.00 | | 90.20 | 3.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.25 |
| | 250 Hz | 105.30 | 0.00 | | 90.20 | 9.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.59 |
| | 500 Hz | 102.70 | 0.00 | | 90.20 | 17.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.08 |
| | 1000 Hz | 99.80 | 0.00 | | 90.20 | 33.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.75 |
| | 2000 Hz | 95.50 | 0.00 | | 90.20 | 88.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -79.84 |
| | 4000 Hz | 84.90 | 0.00 | | 90.20 | 298.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -301.19 |
| | 8000 Hz | 61.80 | 0.00 | | 90.20 | 1066.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1091.45 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.60 | 1.04 | -3.00 | 0.00 | 0.00 | 0.86 | 0.00 | | 26.81 |
| | 125 Hz | 111.00 | 0.00 | | 89.60 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.91 |
| | 250 Hz | 106.60 | 0.00 | | 89.60 | 8.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.13 |
| | 500 Hz | 103.70 | 0.00 | | 89.60 | 16.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.71 |
| | 1000 Hz | 99.80 | 0.00 | | 89.60 | 31.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.91 |
| | 2000 Hz | 95.60 | 0.00 | | 89.60 | 82.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.22 |
| | 4000 Hz | 86.90 | 0.00 | | 89.60 | 278.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -278.53 |
| | 8000 Hz | 65.40 | 0.00 | | 89.60 | 994.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1015.69 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.66 | 1.04 | -3.00 | 0.00 | 0.00 | 0.74 | 0.00 | | 26.87 |
| | 125 Hz | 111.00 | 0.00 | | 89.66 | 3.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.82 |
| | 250 Hz | 106.60 | 0.00 | | 89.66 | 8.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.01 |
| | 500 Hz | 103.70 | 0.00 | | 89.66 | 16.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.53 |
| | 1000 Hz | 99.80 | 0.00 | | 89.66 | 31.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.19 |
| | 2000 Hz | 95.60 | 0.00 | | 89.66 | 82.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -73.86 |
| | 4000 Hz | 86.90 | 0.00 | | 89.66 | 280.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -280.54 |
| | 8000 Hz | 65.40 | 0.00 | | 89.66 | 1001.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1022.72 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI169 | VWEA 50: V126 | | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 83.26 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.04 |
| | 125 Hz | 104.80 | 0.00 | | 83.26 | 1.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.86 |
| | 250 Hz | 101.20 | 0.00 | | 83.26 | 4.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.66 |
| | 500 Hz | 96.80 | 0.00 | | 83.26 | 7.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.64 |
| | 1000 Hz | 92.70 | 0.00 | | 83.26 | 15.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.56 |
| | 2000 Hz | 90.50 | 0.00 | | 83.26 | 39.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.40 |
| | 4000 Hz | 84.90 | 0.00 | | 83.26 | 134.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -129.78 |
| | 8000 Hz | 70.70 | 0.00 | | 83.26 | 479.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -488.99 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 72.20 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.86 |
| | 125 Hz | 106.90 | 0.00 | | 72.20 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.23 |
| | 250 Hz | 104.10 | 0.00 | | 72.20 | 1.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.70 |
| | 500 Hz | 100.40 | 0.00 | | 72.20 | 2.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.98 |
| | 1000 Hz | 96.10 | 0.00 | | 72.20 | 4.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.70 |
| | 2000 Hz | 90.70 | 0.00 | | 72.20 | 11.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.40 |
| | 4000 Hz | 83.90 | 0.00 | | 72.20 | 37.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.94 |
| | 8000 Hz | 75.80 | 0.00 | | 72.20 | 134.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -127.66 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 73.31 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.73 |
| | 125 Hz | 108.80 | 0.00 | | 73.31 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.95 |
| | 250 Hz | 106.10 | 0.00 | | 73.31 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.43 |
| | 500 Hz | 102.40 | 0.00 | | 73.31 | 2.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.57 |
| | 1000 Hz | 98.10 | 0.00 | | 73.31 | 4.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.01 |
| | 2000 Hz | 92.80 | 0.00 | | 73.31 | 12.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.87 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 85.90 | 0.00 | | 73.31 | 42.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.19 |
| | 8000 Hz | 77.90 | 0.00 | | 73.31 | 152.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.99 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 76.03 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.95 |
| | 125 Hz | 106.90 | 0.00 | | 76.03 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.14 |
| | 250 Hz | 104.10 | 0.00 | | 76.03 | 1.86 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.21 |
| | 500 Hz | 100.40 | 0.00 | | 76.03 | 3.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.93 |
| | 1000 Hz | 96.10 | 0.00 | | 76.03 | 6.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.54 |
| | 2000 Hz | 90.70 | 0.00 | | 76.03 | 17.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.42 |
| | 4000 Hz | 83.90 | 0.00 | | 76.03 | 58.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.63 |
| | 8000 Hz | 75.80 | 0.00 | | 76.03 | 208.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -205.86 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.19 | 0.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.61 |
| | 125 Hz | 108.80 | 0.00 | | 81.19 | 1.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.28 |
| | 250 Hz | 106.10 | 0.00 | | 81.19 | 3.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.53 |
| | 500 Hz | 102.40 | 0.00 | | 81.19 | 6.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.97 |
| | 1000 Hz | 98.10 | 0.00 | | 81.19 | 11.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.08 |
| | 2000 Hz | 92.80 | 0.00 | | 81.19 | 31.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.64 |
| | 4000 Hz | 85.90 | 0.00 | | 81.19 | 105.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -98.27 |
| | 8000 Hz | 77.90 | 0.00 | | 81.19 | 377.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -378.28 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.01 | 0.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.66 |
| | 125 Hz | 110.70 | 0.00 | | 82.01 | 1.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.23 |
| | 250 Hz | 108.00 | 0.00 | | 82.01 | 3.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.28 |
| | 500 Hz | 104.50 | 0.00 | | 82.01 | 6.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.64 |
| | 1000 Hz | 100.10 | 0.00 | | 82.01 | 13.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.09 |
| | 2000 Hz | 94.80 | 0.00 | | 82.01 | 34.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.55 |
| | 4000 Hz | 87.90 | 0.00 | | 82.01 | 116.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -107.57 |
| | 8000 Hz | 79.90 | 0.00 | | 82.01 | 415.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -414.48 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 83.06 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.75 |
| | 125 Hz | 110.90 | 0.00 | | 83.06 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.19 |
| | 250 Hz | 108.10 | 0.00 | | 83.06 | 4.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.86 |
| | 500 Hz | 104.40 | 0.00 | | 83.06 | 7.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.62 |
| | 1000 Hz | 100.10 | 0.00 | | 83.06 | 14.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.38 |
| | 2000 Hz | 94.80 | 0.00 | | 83.06 | 38.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.00 |
| | 4000 Hz | 88.00 | 0.00 | | 83.06 | 131.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -123.42 |
| | 8000 Hz | 80.00 | 0.00 | | 83.06 | 468.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -468.59 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.90 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.72 |
| | 125 Hz | 110.70 | 0.00 | | 82.90 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.18 |
| | 250 Hz | 108.00 | 0.00 | | 82.90 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.99 |
| | 500 Hz | 104.50 | 0.00 | | 82.90 | 7.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.01 |
| | 1000 Hz | 100.10 | 0.00 | | 82.90 | 14.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.80 |
| | 2000 Hz | 94.80 | 0.00 | | 82.90 | 38.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.15 |
| | 4000 Hz | 87.90 | 0.00 | | 82.90 | 129.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.02 |
| | 8000 Hz | 79.90 | 0.00 | | 82.90 | 460.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -460.18 |

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| WEAI013 | WEA 2: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 83.99 | 0.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.77 |
| | 125 Hz | 110.90 | 0.00 | | 83.99 | 1.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.08 |
| | 250 Hz | 108.10 | 0.00 | | 83.99 | 4.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.46 |
| | 500 Hz | 104.40 | 0.00 | | 83.99 | 8.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.82 |
| | 1000 Hz | 100.10 | 0.00 | | 83.99 | 16.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.80 |
| | 2000 Hz | 94.80 | 0.00 | | 83.99 | 43.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -29.29 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 4000 Hz | 88.00 | 0.00 | | 83.99 | 146.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -139.15 |
| | 8000 Hz | 80.00 | 0.00 | | 83.99 | 521.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -522.30 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 84.68 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.83 |
| | 125 Hz | 110.70 | 0.00 | | 84.68 | 1.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.03 |
| | 250 Hz | 108.00 | 0.00 | | 84.68 | 5.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.27 |
| | 500 Hz | 104.50 | 0.00 | | 84.68 | 9.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.50 |
| | 1000 Hz | 100.10 | 0.00 | | 84.68 | 17.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 |
| | 2000 Hz | 94.80 | 0.00 | | 84.68 | 46.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -33.60 |
| | 4000 Hz | 87.90 | 0.00 | | 84.68 | 158.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -152.20 |
| | 8000 Hz | 79.90 | 0.00 | | 84.68 | 565.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -566.78 |

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|---------|-------------------|------------|--|------------|--|------------|--|---------------|--|
| IPKT | IPKT: Bezeichnung | IPKT: x /m | | IPKT: y /m | | IPKT: z /m | | Lr(IP) /dB(A) | |
| IPkt034 | IP AF | 383479.39 | | 5776888.32 | | 73.242 | | 37.73 | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|-------|------|------|-------|------|------|--------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB(A) | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| EZQi001 | Biogas1 | 97.00 | 3.01 | | 88.60 | 14.60 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | -7.95 |
| EZQi002 | Biogas2 | 95.00 | 3.01 | | 80.80 | 5.95 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 6.56 |
| EZQi003 | Biogas3 | 95.00 | 3.01 | | 83.47 | 8.08 | 4.65 | 0.00 | 0.00 | 0.12 | 0.00 | 1.69 |
| EZQi004 | Biogas4 | 1.00 | 3.01 | | 75.94 | 3.40 | 4.61 | 0.00 | 0.00 | 0.00 | 0.00 | -79.95 |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|---------------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| WEAI118 | VWEA 1: E18 Referen | | | | | | | | | | | |
| | 63 Hz | 104.20 | 0.00 | | 82.91 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.81 |
| | 125 Hz | 102.50 | 0.00 | | 82.91 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.97 |
| | 250 Hz | 99.20 | 0.00 | | 82.91 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.18 |
| | 500 Hz | 96.00 | 0.00 | | 82.91 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.50 |
| | 1000 Hz | 92.30 | 0.00 | | 82.91 | 14.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.02 |
| | 2000 Hz | 89.10 | 0.00 | | 82.91 | 38.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -28.89 |
| | 4000 Hz | 85.30 | 0.00 | | 82.91 | 129.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -123.75 |

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| WEAI119 | VWEA 2: E 40 Referen | | | | | | | | | | | |
| | 63 Hz | 107.20 | 0.00 | | 83.70 | 0.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.97 |
| | 125 Hz | 105.50 | 0.00 | | 83.70 | 1.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.02 |
| | 250 Hz | 102.20 | 0.00 | | 83.70 | 4.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.99 |
| | 500 Hz | 99.00 | 0.00 | | 83.70 | 8.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.98 |
| | 1000 Hz | 95.30 | 0.00 | | 83.70 | 15.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.19 |
| | 2000 Hz | 92.10 | 0.00 | | 83.70 | 41.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -30.32 |
| | 4000 Hz | 88.30 | 0.00 | | 83.70 | 141.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -133.89 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|---------|
| WEAI120 | VWEA 3: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.76 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.48 |
| | 63 Hz | 116.40 | 0.00 | | 84.76 | 0.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.04 |
| | 125 Hz | 110.70 | 0.00 | | 84.76 | 2.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.93 |
| | 250 Hz | 104.40 | 0.00 | | 84.76 | 5.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.55 |
| | 500 Hz | 101.20 | 0.00 | | 84.76 | 9.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.03 |
| | 1000 Hz | 99.40 | 0.00 | | 84.76 | 17.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.20 |
| | 2000 Hz | 93.80 | 0.00 | | 84.76 | 47.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.11 |
| | 4000 Hz | 86.70 | 0.00 | | 84.76 | 159.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -154.93 |
| | 8000 Hz | 78.40 | 0.00 | | 84.76 | 570.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -573.56 |

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| WEAI121 | VWEA 4: E 66* | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.19 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.09 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 116.40 | 0.00 | | 82.19 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.77 |
| | 125 Hz | 110.70 | 0.00 | | 82.19 | 1.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.02 |
| | 250 Hz | 104.40 | 0.00 | | 82.19 | 3.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.42 |
| | 500 Hz | 101.20 | 0.00 | | 82.19 | 6.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.02 |
| | 1000 Hz | 99.40 | 0.00 | | 82.19 | 13.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.94 |
| | 2000 Hz | 93.80 | 0.00 | | 82.19 | 35.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.45 |
| | 4000 Hz | 86.70 | 0.00 | | 82.19 | 118.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -111.38 |
| | 8000 Hz | 78.40 | 0.00 | | 82.19 | 424.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -424.83 |

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| WEAI122 | VWEA 5: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.54 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.71 |
| | 63 Hz | 116.40 | 0.00 | | 84.54 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.29 |
| | 125 Hz | 110.70 | 0.00 | | 84.54 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.21 |
| | 250 Hz | 104.40 | 0.00 | | 84.54 | 4.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.91 |
| | 500 Hz | 101.20 | 0.00 | | 84.54 | 9.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.51 |
| | 1000 Hz | 99.40 | 0.00 | | 84.54 | 17.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.49 |
| | 2000 Hz | 93.80 | 0.00 | | 84.54 | 45.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -33.65 |
| | 4000 Hz | 86.70 | 0.00 | | 84.54 | 155.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -150.55 |
| | 8000 Hz | 78.40 | 0.00 | | 84.54 | 555.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -558.53 |

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| WEAI123 | VWEA 6: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.87 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.37 |
| | 63 Hz | 116.40 | 0.00 | | 84.87 | 0.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.93 |
| | 125 Hz | 110.70 | 0.00 | | 84.87 | 2.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.80 |
| | 250 Hz | 104.40 | 0.00 | | 84.87 | 5.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.37 |
| | 500 Hz | 101.20 | 0.00 | | 84.87 | 9.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.81 |
| | 1000 Hz | 99.40 | 0.00 | | 84.87 | 18.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.54 |
| | 2000 Hz | 93.80 | 0.00 | | 84.87 | 47.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -35.81 |
| | 4000 Hz | 86.70 | 0.00 | | 84.87 | 161.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -157.05 |
| | 8000 Hz | 78.40 | 0.00 | | 84.87 | 577.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -580.84 |

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| WEAI124 | VWEA 7: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.49 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.78 |
| | 63 Hz | 116.40 | 0.00 | | 83.49 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.40 |
| | 125 Hz | 110.70 | 0.00 | | 83.49 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.48 |
| | 250 Hz | 104.40 | 0.00 | | 83.49 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.52 |
| | 500 Hz | 101.20 | 0.00 | | 83.49 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.60 |
| | 1000 Hz | 99.40 | 0.00 | | 83.49 | 15.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.51 |
| | 2000 Hz | 93.80 | 0.00 | | 83.49 | 40.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.38 |
| | 4000 Hz | 86.70 | 0.00 | | 83.49 | 137.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -131.78 |
| | 8000 Hz | 78.40 | 0.00 | | 83.49 | 492.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -494.25 |

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| WEAI125 | VWEA 8: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.58 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.68 |
| | 63 Hz | 116.40 | 0.00 | | 83.58 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.30 |
| | 125 Hz | 110.70 | 0.00 | | 83.58 | 1.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.37 |
| | 250 Hz | 104.40 | 0.00 | | 83.58 | 4.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.37 |
| | 500 Hz | 101.20 | 0.00 | | 83.58 | 8.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.41 |
| | 1000 Hz | 99.40 | 0.00 | | 83.58 | 15.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.24 |
| | 2000 Hz | 93.80 | 0.00 | | 83.58 | 41.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.94 |
| | 4000 Hz | 86.70 | 0.00 | | 83.58 | 139.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -133.44 |
| | 8000 Hz | 78.40 | 0.00 | | 83.58 | 497.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -499.94 |

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| WEAI126 | VWEA 9: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.19 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.06 |
| | 63 Hz | 116.40 | 0.00 | | 84.19 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.65 |
| | 125 Hz | 110.70 | 0.00 | | 84.19 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.63 |
| | 250 Hz | 104.40 | 0.00 | | 84.19 | 4.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.45 |
| | 500 Hz | 101.20 | 0.00 | | 84.19 | 8.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.21 |
| | 1000 Hz | 99.40 | 0.00 | | 84.19 | 16.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.51 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 2000 Hz | 93.80 | 0.00 | | 84.19 | 44.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.52 |
| | 4000 Hz | 86.70 | 0.00 | | 84.19 | 149.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.15 |
| | 8000 Hz | 78.40 | 0.00 | | 84.19 | 533.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -536.56 |

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| WEAI127 | VWEA 10: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 82.84 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.44 |
| | 63 Hz | 116.40 | 0.00 | | 82.84 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.09 |
| | 125 Hz | 110.70 | 0.00 | | 82.84 | 1.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.26 |
| | 250 Hz | 104.40 | 0.00 | | 82.84 | 4.08 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.48 |
| | 500 Hz | 101.20 | 0.00 | | 82.84 | 7.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.83 |
| | 1000 Hz | 99.40 | 0.00 | | 82.84 | 14.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.27 |
| | 2000 Hz | 93.80 | 0.00 | | 82.84 | 37.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.81 |
| | 4000 Hz | 86.70 | 0.00 | | 82.84 | 128.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.23 |
| | 8000 Hz | 78.40 | 0.00 | | 82.84 | 456.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -458.28 |

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| WEAI128 | VWEA 11: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 117.10 | 0.00 | | 82.91 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.07 |
| | 63 Hz | 113.10 | 0.00 | | 82.91 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.71 |
| | 125 Hz | 107.40 | 0.00 | | 82.91 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.87 |
| | 250 Hz | 101.10 | 0.00 | | 82.91 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.08 |
| | 500 Hz | 97.90 | 0.00 | | 82.91 | 7.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.40 |
| | 1000 Hz | 96.10 | 0.00 | | 82.91 | 14.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.79 |
| | 2000 Hz | 90.50 | 0.00 | | 82.91 | 38.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.48 |
| | 4000 Hz | 83.40 | 0.00 | | 82.91 | 129.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -125.61 |
| | 8000 Hz | 75.10 | 0.00 | | 82.91 | 460.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -465.27 |

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| WEAI129 | VWEA 12: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 83.41 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.86 |
| | 63 Hz | 116.40 | 0.00 | | 83.41 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.48 |
| | 125 Hz | 110.70 | 0.00 | | 83.41 | 1.72 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.57 |
| | 250 Hz | 104.40 | 0.00 | | 83.41 | 4.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.63 |
| | 500 Hz | 101.20 | 0.00 | | 83.41 | 8.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.74 |
| | 1000 Hz | 99.40 | 0.00 | | 83.41 | 15.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.72 |
| | 2000 Hz | 93.80 | 0.00 | | 83.41 | 40.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.96 |
| | 4000 Hz | 86.70 | 0.00 | | 83.41 | 136.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.53 |
| | 8000 Hz | 78.40 | 0.00 | | 83.41 | 487.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -489.99 |

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| WEAI130 | VWEA 13: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 120.40 | 0.00 | | 84.20 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.05 |
| | 63 Hz | 116.40 | 0.00 | | 84.20 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.64 |
| | 125 Hz | 110.70 | 0.00 | | 84.20 | 1.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.62 |
| | 250 Hz | 104.40 | 0.00 | | 84.20 | 4.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.43 |
| | 500 Hz | 101.20 | 0.00 | | 84.20 | 8.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.18 |
| | 1000 Hz | 99.40 | 0.00 | | 84.20 | 16.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.47 |
| | 2000 Hz | 93.80 | 0.00 | | 84.20 | 44.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.60 |
| | 4000 Hz | 86.70 | 0.00 | | 84.20 | 149.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.39 |
| | 8000 Hz | 78.40 | 0.00 | | 84.20 | 534.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -537.39 |

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| WEAI131 | VWEA 14: E-70 E4* | | | | | | | | | | | | |
| | 63 Hz | 108.70 | 0.00 | | 88.56 | 0.92 | -3.00 | 0.00 | 0.00 | 2.63 | 0.00 | | 19.59 |
| | 125 Hz | 104.80 | 0.00 | | 88.56 | 3.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.14 |
| | 250 Hz | 101.50 | 0.00 | | 88.56 | 7.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.07 |
| | 500 Hz | 97.10 | 0.00 | | 88.56 | 14.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.01 |
| | 1000 Hz | 91.00 | 0.00 | | 88.56 | 27.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -22.17 |
| | 2000 Hz | 86.30 | 0.00 | | 88.56 | 72.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.21 |
| | 4000 Hz | 80.30 | 0.00 | | 88.56 | 247.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -252.67 |
| | 8000 Hz | 74.00 | 0.00 | | 88.56 | 882.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -893.98 |

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| WEAI132 | VWEA 15: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.82 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.93 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 113.00 | 0.00 | | 88.82 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.23 |
| | 125 Hz | 108.60 | 0.00 | | 88.82 | 3.20 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.58 |
| | 250 Hz | 105.70 | 0.00 | | 88.82 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.76 |
| | 500 Hz | 101.70 | 0.00 | | 88.82 | 15.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.88 |
| | 1000 Hz | 95.50 | 0.00 | | 88.82 | 28.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.79 |
| | 2000 Hz | 89.70 | 0.00 | | 88.82 | 75.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.34 |
| | 4000 Hz | 82.20 | 0.00 | | 88.82 | 255.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -258.69 |
| | 8000 Hz | 74.00 | 0.00 | | 88.82 | 909.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -921.56 |

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|---------|-------------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI133 | VWEA 16: E-70 E4* | | | | | | | | | | | | |
| | 31.5 Hz | 115.00 | 0.00 | | 88.69 | 0.25 | -3.00 | 0.00 | 0.00 | 1.08 | 0.00 | | 27.99 |
| | 63 Hz | 113.00 | 0.00 | | 88.69 | 0.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.38 |
| | 125 Hz | 108.60 | 0.00 | | 88.69 | 3.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.76 |
| | 250 Hz | 105.70 | 0.00 | | 88.69 | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.02 |
| | 500 Hz | 101.70 | 0.00 | | 88.69 | 14.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.24 |
| | 1000 Hz | 95.50 | 0.00 | | 88.69 | 28.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -18.22 |
| | 2000 Hz | 89.70 | 0.00 | | 88.69 | 74.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -70.05 |
| | 4000 Hz | 82.20 | 0.00 | | 88.69 | 251.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -254.65 |
| | 8000 Hz | 74.00 | 0.00 | | 88.69 | 895.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -907.51 |

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| WEAI134 | VWEA 17: E 58* | | | | | | | | | | | | |
| | 31.5 Hz | 114.90 | 0.00 | | 88.23 | 0.23 | -3.00 | 0.00 | 0.00 | 3.90 | 0.00 | | 25.53 |
| | 63 Hz | 111.30 | 0.00 | | 88.23 | 0.89 | -3.00 | 0.00 | 0.00 | 2.81 | 0.00 | | 22.37 |
| | 125 Hz | 107.40 | 0.00 | | 88.23 | 2.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.18 |
| | 250 Hz | 102.80 | 0.00 | | 88.23 | 7.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.98 |
| | 500 Hz | 99.70 | 0.00 | | 88.23 | 14.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.45 |
| | 1000 Hz | 96.60 | 0.00 | | 88.23 | 26.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.24 |
| | 2000 Hz | 91.70 | 0.00 | | 88.23 | 70.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -63.83 |
| | 4000 Hz | 85.00 | 0.00 | | 88.23 | 238.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -238.62 |
| | 8000 Hz | 87.30 | 0.00 | | 88.23 | 850.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -848.16 |

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| WEAI135 | VWEA 18: E-40/6.44* | | | | | | | | | | | | |
| | 63 Hz | 111.90 | 0.00 | | 88.97 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.96 |
| | 125 Hz | 108.60 | 0.00 | | 88.97 | 3.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.37 |
| | 250 Hz | 103.40 | 0.00 | | 88.97 | 8.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.17 |
| | 500 Hz | 99.10 | 0.00 | | 88.97 | 15.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.14 |
| | 1000 Hz | 98.00 | 0.00 | | 88.97 | 28.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -16.94 |
| | 2000 Hz | 89.80 | 0.00 | | 88.97 | 76.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -72.71 |
| | 4000 Hz | 85.30 | 0.00 | | 88.97 | 259.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -260.21 |
| | 8000 Hz | 80.10 | 0.00 | | 88.97 | 925.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -931.54 |

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| WEAI136 | VWEA 19: E-40/6.44* | | | | | | | | | | | | |
| | 31.5 Hz | 118.60 | 0.00 | | 88.80 | 0.25 | -3.00 | 0.00 | 0.00 | 4.01 | 0.00 | | 28.54 |
| | 63 Hz | 112.30 | 0.00 | | 88.80 | 0.94 | -3.00 | 0.00 | 0.00 | 3.08 | 0.00 | | 22.48 |
| | 125 Hz | 108.10 | 0.00 | | 88.80 | 3.19 | -3.00 | 0.00 | 0.00 | 0.32 | 0.00 | | 18.79 |
| | 250 Hz | 103.50 | 0.00 | | 88.80 | 8.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.60 |
| | 500 Hz | 100.70 | 0.00 | | 88.80 | 14.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.07 |
| | 1000 Hz | 98.30 | 0.00 | | 88.80 | 28.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -15.90 |
| | 2000 Hz | 93.80 | 0.00 | | 88.80 | 75.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -67.05 |
| | 4000 Hz | 86.20 | 0.00 | | 88.80 | 254.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -254.09 |
| | 8000 Hz | 78.20 | 0.00 | | 88.80 | 907.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -915.26 |

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| WEAI137 | VWEA 20: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 116.60 | 0.00 | | 88.73 | 0.25 | -3.00 | 0.00 | 0.00 | 3.73 | 0.00 | | 26.89 |
| | 63 Hz | 111.70 | 0.00 | | 88.73 | 0.94 | -3.00 | 0.00 | 0.00 | 2.37 | 0.00 | | 22.66 |
| | 125 Hz | 106.40 | 0.00 | | 88.73 | 3.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.51 |
| | 250 Hz | 102.10 | 0.00 | | 88.73 | 8.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.34 |
| | 500 Hz | 99.10 | 0.00 | | 88.73 | 14.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1.47 |
| | 1000 Hz | 96.90 | 0.00 | | 88.73 | 28.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.00 |
| | 2000 Hz | 90.50 | 0.00 | | 88.73 | 74.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -69.66 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 4000 Hz | 81.00 | 0.00 | | 88.73 | 252.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -257.12 |
| | 8000 Hz | 76.50 | 0.00 | | 88.73 | 900.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -909.41 |

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|---------|---------------|--------|------|--|-------|--------|-------|------|------|------|------|--|---------|
| WEAI138 | VWEA 21: V52* | | | | | | | | | | | | |
| | 31.5 Hz | 118.50 | 0.00 | | 88.92 | 0.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.32 |
| | 63 Hz | 110.40 | 0.00 | | 88.92 | 0.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.52 |
| | 125 Hz | 107.20 | 0.00 | | 88.92 | 3.24 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.04 |
| | 250 Hz | 101.70 | 0.00 | | 88.92 | 8.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.56 |
| | 500 Hz | 98.20 | 0.00 | | 88.92 | 15.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.91 |
| | 1000 Hz | 95.60 | 0.00 | | 88.92 | 28.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -19.13 |
| | 2000 Hz | 93.70 | 0.00 | | 88.92 | 76.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -68.34 |
| | 4000 Hz | 90.70 | 0.00 | | 88.92 | 258.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -253.35 |
| | 8000 Hz | 79.50 | 0.00 | | 88.92 | 920.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -927.06 |

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| WEAI139 | VWEA 22: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.68 | 0.10 | -3.00 | 0.00 | 0.00 | 2.58 | 0.00 | | 33.45 |
| | 63 Hz | 111.60 | 0.00 | | 80.68 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.55 |
| | 125 Hz | 108.60 | 0.00 | | 80.68 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.67 |
| | 250 Hz | 106.50 | 0.00 | | 80.68 | 3.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.64 |
| | 500 Hz | 102.90 | 0.00 | | 80.68 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.35 |
| | 1000 Hz | 99.60 | 0.00 | | 80.68 | 11.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.78 |
| | 2000 Hz | 95.90 | 0.00 | | 80.68 | 29.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.23 |
| | 4000 Hz | 90.10 | 0.00 | | 80.68 | 99.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.45 |
| | 8000 Hz | 76.30 | 0.00 | | 80.68 | 356.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -357.59 |

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| WEAI140 | VWEA 23: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.92 | 0.09 | -3.00 | 0.00 | 0.00 | 2.17 | 0.00 | | 34.62 |
| | 63 Hz | 111.60 | 0.00 | | 79.92 | 0.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.34 |
| | 125 Hz | 108.60 | 0.00 | | 79.92 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.53 |
| | 250 Hz | 106.50 | 0.00 | | 79.92 | 2.91 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 26.66 |
| | 500 Hz | 102.90 | 0.00 | | 79.92 | 5.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.59 |
| | 1000 Hz | 99.60 | 0.00 | | 79.92 | 10.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.46 |
| | 2000 Hz | 95.90 | 0.00 | | 79.92 | 27.00 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -8.02 |
| | 4000 Hz | 90.10 | 0.00 | | 79.92 | 91.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -78.39 |
| | 8000 Hz | 76.30 | 0.00 | | 79.92 | 326.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -327.19 |

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| WEAI141 | VWEA 24: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 80.67 | 0.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.03 |
| | 63 Hz | 111.60 | 0.00 | | 80.67 | 0.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.56 |
| | 125 Hz | 108.60 | 0.00 | | 80.67 | 1.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.68 |
| | 250 Hz | 106.50 | 0.00 | | 80.67 | 3.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.66 |
| | 500 Hz | 102.90 | 0.00 | | 80.67 | 5.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.36 |
| | 1000 Hz | 99.60 | 0.00 | | 80.67 | 11.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 10.80 |
| | 2000 Hz | 95.90 | 0.00 | | 80.67 | 29.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -11.19 |
| | 4000 Hz | 90.10 | 0.00 | | 80.67 | 99.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -87.34 |
| | 8000 Hz | 76.30 | 0.00 | | 80.67 | 355.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -357.21 |

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| WEAI142 | VWEA 25: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.58 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.13 |
| | 63 Hz | 111.60 | 0.00 | | 79.58 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.69 |
| | 125 Hz | 108.60 | 0.00 | | 79.58 | 1.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.91 |
| | 250 Hz | 106.50 | 0.00 | | 79.58 | 2.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.11 |
| | 500 Hz | 102.90 | 0.00 | | 79.58 | 5.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.14 |
| | 1000 Hz | 99.60 | 0.00 | | 79.58 | 9.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.19 |
| | 2000 Hz | 95.90 | 0.00 | | 79.58 | 25.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.65 |
| | 4000 Hz | 90.10 | 0.00 | | 79.58 | 88.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -74.55 |
| | 8000 Hz | 76.30 | 0.00 | | 79.58 | 314.10 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -314.38 |

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| WEAI143 | VWEA 26: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 77.98 | 0.07 | -3.00 | 0.00 | 0.00 | 1.68 | 0.00 | | 37.07 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | LFT |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 63 Hz | 111.60 | 0.00 | | 77.98 | 0.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.35 |
| | 125 Hz | 108.60 | 0.00 | | 77.98 | 0.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.71 |
| | 250 Hz | 106.50 | 0.00 | | 77.98 | 2.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.19 |
| | 500 Hz | 102.90 | 0.00 | | 77.98 | 4.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.62 |
| | 1000 Hz | 99.60 | 0.00 | | 77.98 | 8.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.46 |
| | 2000 Hz | 95.90 | 0.00 | | 77.98 | 21.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.66 |
| | 4000 Hz | 90.10 | 0.00 | | 77.98 | 73.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -58.06 |
| | 8000 Hz | 76.30 | 0.00 | | 77.98 | 261.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -259.70 |

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| WEAI144 | VWEA 27: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 79.65 | 0.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.07 |
| | 63 Hz | 111.60 | 0.00 | | 79.65 | 0.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.62 |
| | 125 Hz | 108.60 | 0.00 | | 79.65 | 1.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 30.84 |
| | 250 Hz | 106.50 | 0.00 | | 79.65 | 2.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.03 |
| | 500 Hz | 102.90 | 0.00 | | 79.65 | 5.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.04 |
| | 1000 Hz | 99.60 | 0.00 | | 79.65 | 9.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.06 |
| | 2000 Hz | 95.90 | 0.00 | | 79.65 | 26.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -6.90 |
| | 4000 Hz | 90.10 | 0.00 | | 79.65 | 88.69 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.24 |
| | 8000 Hz | 76.30 | 0.00 | | 79.65 | 316.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -316.68 |

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| WEAI145 | VWEA 28: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 77.61 | 0.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.12 |
| | 63 Hz | 111.60 | 0.00 | | 77.61 | 0.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.72 |
| | 125 Hz | 108.60 | 0.00 | | 77.61 | 0.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.11 |
| | 250 Hz | 106.50 | 0.00 | | 77.61 | 2.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.65 |
| | 500 Hz | 102.90 | 0.00 | | 77.61 | 4.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.16 |
| | 1000 Hz | 99.60 | 0.00 | | 77.61 | 7.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.15 |
| | 2000 Hz | 95.90 | 0.00 | | 77.61 | 20.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.59 |
| | 4000 Hz | 90.10 | 0.00 | | 77.61 | 70.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -54.71 |
| | 8000 Hz | 76.30 | 0.00 | | 77.61 | 250.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -248.67 |

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| WEAI146 | VWEA 29: N131 / 3000 | | | | | | | | | | | | |
| | 31.5 Hz | 113.80 | 0.00 | | 76.37 | 0.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.37 |
| | 63 Hz | 111.60 | 0.00 | | 76.37 | 0.23 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.01 |
| | 125 Hz | 108.60 | 0.00 | | 76.37 | 0.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.47 |
| | 250 Hz | 106.50 | 0.00 | | 76.37 | 1.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.20 |
| | 500 Hz | 102.90 | 0.00 | | 76.37 | 3.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.96 |
| | 1000 Hz | 99.60 | 0.00 | | 76.37 | 6.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.45 |
| | 2000 Hz | 95.90 | 0.00 | | 76.37 | 17.93 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.61 |
| | 4000 Hz | 90.10 | 0.00 | | 76.37 | 60.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -44.06 |
| | 8000 Hz | 76.30 | 0.00 | | 76.37 | 216.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -213.90 |

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| WEAI147 | VWEA 30: Südwind S30 | | | | | | | | | | | | |
| | 63 Hz | 6.90 | 0.00 | | 78.27 | 0.28 | -3.00 | 0.00 | 0.00 | 1.73 | 0.00 | | -70.38 |
| | 125 Hz | 5.20 | 0.00 | | 78.27 | 0.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -71.02 |
| | 250 Hz | 1.90 | 0.00 | | 78.27 | 2.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -75.78 |
| | 500 Hz | -1.30 | 0.00 | | 78.27 | 4.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -81.02 |
| | 1000 Hz | -5.00 | 0.00 | | 78.27 | 8.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -88.71 |
| | 2000 Hz | -8.20 | 0.00 | | 78.27 | 22.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -105.78 |
| | 4000 Hz | -12.00 | 0.00 | | 78.27 | 75.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.93 |

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| WEAI148 | VWEA 31: E40/5.40* | | | | | | | | | | | | |
| | 63 Hz | 108.20 | 0.00 | | 82.75 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.98 |
| | 125 Hz | 106.50 | 0.00 | | 82.75 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.16 |
| | 250 Hz | 103.20 | 0.00 | | 82.75 | 4.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 19.41 |
| | 500 Hz | 100.00 | 0.00 | | 82.75 | 7.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.79 |
| | 1000 Hz | 96.30 | 0.00 | | 82.75 | 14.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.39 |
| | 2000 Hz | 93.10 | 0.00 | | 82.75 | 37.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.05 |
| | 4000 Hz | 89.30 | 0.00 | | 82.75 | 126.83 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -117.28 |

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| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|----------------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| WEAI149 | VWEA 32: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 85.23 | 0.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.41 |
| | 63 Hz | 110.90 | 0.00 | | 85.23 | 0.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.04 |
| | 125 Hz | 108.00 | 0.00 | | 85.23 | 2.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.66 |
| | 250 Hz | 103.80 | 0.00 | | 85.23 | 5.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.20 |
| | 500 Hz | 101.90 | 0.00 | | 85.23 | 9.92 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 9.75 |
| | 1000 Hz | 98.90 | 0.00 | | 85.23 | 18.82 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.15 |
| | 2000 Hz | 94.60 | 0.00 | | 85.23 | 49.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.36 |
| | 4000 Hz | 88.20 | 0.00 | | 85.23 | 168.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -162.69 |
| | 8000 Hz | 78.80 | 0.00 | | 85.23 | 601.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -604.98 |

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| WEAI150 | VWEA 33: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.28 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.37 |
| | 63 Hz | 110.90 | 0.00 | | 84.28 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.06 |
| | 125 Hz | 108.00 | 0.00 | | 84.28 | 1.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.83 |
| | 250 Hz | 103.80 | 0.00 | | 84.28 | 4.81 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.71 |
| | 500 Hz | 101.90 | 0.00 | | 84.28 | 8.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.73 |
| | 1000 Hz | 98.90 | 0.00 | | 84.28 | 16.87 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.75 |
| | 2000 Hz | 94.60 | 0.00 | | 84.28 | 44.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.26 |
| | 4000 Hz | 88.20 | 0.00 | | 84.28 | 151.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -144.25 |
| | 8000 Hz | 78.80 | 0.00 | | 84.28 | 539.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -541.65 |

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| WEAI151 | VWEA 34: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 84.50 | 0.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.14 |
| | 63 Hz | 110.90 | 0.00 | | 84.50 | 0.58 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.82 |
| | 125 Hz | 108.00 | 0.00 | | 84.50 | 1.95 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.55 |
| | 250 Hz | 103.80 | 0.00 | | 84.50 | 4.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.36 |
| | 500 Hz | 101.90 | 0.00 | | 84.50 | 9.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.27 |
| | 1000 Hz | 98.90 | 0.00 | | 84.50 | 17.32 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.08 |
| | 2000 Hz | 94.60 | 0.00 | | 84.50 | 45.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -32.66 |
| | 4000 Hz | 88.20 | 0.00 | | 84.50 | 155.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -148.47 |
| | 8000 Hz | 78.80 | 0.00 | | 84.50 | 553.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -556.12 |

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| WEAI152 | VWEA 35: E-66/18.70* | | | | | | | | | | | | |
| | 31.5 Hz | 114.80 | 0.00 | | 83.64 | 0.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.03 |
| | 63 Hz | 110.90 | 0.00 | | 83.64 | 0.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.74 |
| | 125 Hz | 108.00 | 0.00 | | 83.64 | 1.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 25.60 |
| | 250 Hz | 103.80 | 0.00 | | 83.64 | 4.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 18.69 |
| | 500 Hz | 101.90 | 0.00 | | 83.64 | 8.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.01 |
| | 1000 Hz | 98.90 | 0.00 | | 83.64 | 15.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 2.59 |
| | 2000 Hz | 94.60 | 0.00 | | 83.64 | 41.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.44 |
| | 4000 Hz | 88.20 | 0.00 | | 83.64 | 140.41 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.85 |
| | 8000 Hz | 78.80 | 0.00 | | 83.64 | 500.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -502.63 |

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| WEAI153 | VWEA 36: E-66/18.70 | | | | | | | | | | | | |
| | 31.5 Hz | 122.20 | 0.00 | | 82.76 | 0.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.31 |
| | 63 Hz | 122.10 | 0.00 | | 82.76 | 0.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.87 |
| | 125 Hz | 115.00 | 0.00 | | 82.76 | 1.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.64 |
| | 250 Hz | 108.00 | 0.00 | | 82.76 | 4.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.20 |
| | 500 Hz | 103.90 | 0.00 | | 82.76 | 7.47 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.67 |
| | 1000 Hz | 101.60 | 0.00 | | 82.76 | 14.17 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.67 |
| | 2000 Hz | 96.70 | 0.00 | | 82.76 | 37.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.51 |
| | 4000 Hz | 88.60 | 0.00 | | 82.76 | 126.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -118.14 |
| | 8000 Hz | 80.90 | 0.00 | | 82.76 | 452.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -451.75 |

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| WEAI154 | VWEA 37: E-48* | | | | | | | | | | | | |
| | 63 Hz | 112.50 | 0.00 | | 83.25 | 0.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.75 |
| | 125 Hz | 109.80 | 0.00 | | 83.25 | 1.68 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.87 |
| | 250 Hz | 107.40 | 0.00 | | 83.25 | 4.27 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.88 |
| | 500 Hz | 101.60 | 0.00 | | 83.25 | 7.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 13.46 |

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| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 94.50 | 0.00 | | 83.25 | 14.98 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -0.73 |
| | 2000 Hz | 88.00 | 0.00 | | 83.25 | 39.59 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.84 |
| | 4000 Hz | 85.30 | 0.00 | | 83.25 | 134.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -129.20 |
| | 8000 Hz | 79.90 | 0.00 | | 83.25 | 478.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -479.19 |

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| WEAI155 | VWEA 38: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.14 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.96 |
| | 125 Hz | 110.80 | 0.00 | | 83.14 | 1.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.99 |
| | 250 Hz | 105.10 | 0.00 | | 83.14 | 4.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.73 |
| | 500 Hz | 102.60 | 0.00 | | 83.14 | 7.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.66 |
| | 1000 Hz | 99.60 | 0.00 | | 83.14 | 14.80 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.65 |
| | 2000 Hz | 93.10 | 0.00 | | 83.14 | 39.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -26.16 |
| | 4000 Hz | 80.70 | 0.00 | | 83.14 | 132.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.10 |
| | 8000 Hz | 77.00 | 0.00 | | 83.14 | 473.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -476.27 |

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| WEAI156 | VWEA 39: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 83.06 | 0.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.05 |
| | 125 Hz | 110.80 | 0.00 | | 83.06 | 1.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.09 |
| | 250 Hz | 105.10 | 0.00 | | 83.06 | 4.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.86 |
| | 500 Hz | 102.60 | 0.00 | | 83.06 | 7.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.81 |
| | 1000 Hz | 99.60 | 0.00 | | 83.06 | 14.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 4.88 |
| | 2000 Hz | 93.10 | 0.00 | | 83.06 | 38.75 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -25.71 |
| | 4000 Hz | 80.70 | 0.00 | | 83.06 | 131.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -130.76 |
| | 8000 Hz | 77.00 | 0.00 | | 83.06 | 468.66 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -471.72 |

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| WEAI157 | VWEA 40: E-82 E2* | | | | | | | | | | | | |
| | 63 Hz | 113.60 | 0.00 | | 82.92 | 0.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.20 |
| | 125 Hz | 110.80 | 0.00 | | 82.92 | 1.62 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.26 |
| | 250 Hz | 105.10 | 0.00 | | 82.92 | 4.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 21.07 |
| | 500 Hz | 102.60 | 0.00 | | 82.92 | 7.60 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 15.08 |
| | 1000 Hz | 99.60 | 0.00 | | 82.92 | 14.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.26 |
| | 2000 Hz | 93.10 | 0.00 | | 82.92 | 38.11 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -24.93 |
| | 4000 Hz | 80.70 | 0.00 | | 82.92 | 129.25 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -128.47 |
| | 8000 Hz | 77.00 | 0.00 | | 82.92 | 460.99 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -463.90 |

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| WEAI158 | VWEA 41: E-82 E2 TES | | | | | | | | | | | | |
| | 63 Hz | 108.40 | 0.00 | | 83.38 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.52 |
| | 125 Hz | 104.80 | 0.00 | | 83.38 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 22.71 |
| | 250 Hz | 99.40 | 0.00 | | 83.38 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 14.68 |
| | 500 Hz | 95.00 | 0.00 | | 83.38 | 8.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 6.61 |
| | 1000 Hz | 93.20 | 0.00 | | 83.38 | 15.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -2.39 |
| | 2000 Hz | 89.10 | 0.00 | | 83.38 | 40.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -31.47 |
| | 4000 Hz | 83.90 | 0.00 | | 83.38 | 136.30 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -132.78 |
| | 8000 Hz | 82.20 | 0.00 | | 83.38 | 486.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -484.31 |

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| WEAI159 | VWEA 42: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.47 | 1.28 | -3.00 | 0.00 | 0.00 | 3.20 | 0.00 | | 22.35 |
| | 125 Hz | 111.00 | 0.00 | | 91.47 | 4.34 | -3.00 | 0.00 | 0.00 | 0.77 | 0.00 | | 17.42 |
| | 250 Hz | 106.60 | 0.00 | | 91.47 | 11.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.12 |
| | 500 Hz | 103.70 | 0.00 | | 91.47 | 20.35 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -5.12 |
| | 1000 Hz | 99.80 | 0.00 | | 91.47 | 38.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -27.28 |
| | 2000 Hz | 95.60 | 0.00 | | 91.47 | 102.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -94.89 |
| | 4000 Hz | 86.90 | 0.00 | | 91.47 | 345.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -347.53 |
| | 8000 Hz | 65.40 | 0.00 | | 91.47 | 1233.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -1257.00 |

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| WEAI160 | VWEA 43: E-141 EP4* | | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 91.05 | 1.22 | -3.00 | 0.00 | 0.00 | 3.05 | 0.00 | | 22.98 |
| | 125 Hz | 111.00 | 0.00 | | 91.05 | 4.13 | -3.00 | 0.00 | 0.00 | 0.21 | 0.00 | | 18.61 |
| | 250 Hz | 106.60 | 0.00 | | 91.05 | 10.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.06 |
| | 500 Hz | 103.70 | 0.00 | | 91.05 | 19.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -3.73 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|---------|-------|------|-------|------|------|----------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 99.80 | 0.00 | | 91.05 | 36.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.03 |
| | 2000 Hz | 95.60 | 0.00 | | 91.05 | 97.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.63 |
| | 4000 Hz | 86.90 | 0.00 | | 91.05 | 329.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -330.72 |
| | 8000 Hz | 65.40 | 0.00 | | 91.05 | 1175.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1198.10 |

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| WEAI161 | VWEA 44: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 90.24 | 1.12 | -3.00 | 0.00 | 0.00 | 2.75 | 0.00 | 24.19 |
| | 125 Hz | 111.00 | 0.00 | | 90.24 | 3.77 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.99 |
| | 250 Hz | 106.60 | 0.00 | | 90.24 | 9.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.80 |
| | 500 Hz | 103.70 | 0.00 | | 90.24 | 17.67 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.21 |
| | 1000 Hz | 99.80 | 0.00 | | 90.24 | 33.52 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.96 |
| | 2000 Hz | 95.60 | 0.00 | | 90.24 | 88.57 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -80.21 |
| | 4000 Hz | 86.90 | 0.00 | | 90.24 | 300.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -300.70 |
| | 8000 Hz | 65.40 | 0.00 | | 90.24 | 1071.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1093.12 |

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| WEAI162 | VWEA 45: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 90.17 | 1.11 | -3.00 | 0.00 | 0.00 | 2.73 | 0.00 | 23.89 |
| | 125 Hz | 110.20 | 0.00 | | 90.17 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.29 |
| | 250 Hz | 105.30 | 0.00 | | 90.17 | 9.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.64 |
| | 500 Hz | 102.70 | 0.00 | | 90.17 | 17.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.00 |
| | 1000 Hz | 99.80 | 0.00 | | 90.17 | 33.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.63 |
| | 2000 Hz | 95.50 | 0.00 | | 90.17 | 87.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -79.55 |
| | 4000 Hz | 84.90 | 0.00 | | 90.17 | 298.01 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -300.28 |
| | 8000 Hz | 61.80 | 0.00 | | 90.17 | 1062.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1088.25 |

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| WEAI163 | VWEA 46: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 114.90 | 0.00 | | 90.18 | 1.11 | -3.00 | 0.00 | 0.00 | 2.70 | 0.00 | 23.91 |
| | 125 Hz | 110.20 | 0.00 | | 90.18 | 3.74 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.28 |
| | 250 Hz | 105.30 | 0.00 | | 90.18 | 9.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.62 |
| | 500 Hz | 102.70 | 0.00 | | 90.18 | 17.55 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.03 |
| | 1000 Hz | 99.80 | 0.00 | | 90.18 | 33.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20.68 |
| | 2000 Hz | 95.50 | 0.00 | | 90.18 | 87.97 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -79.66 |
| | 4000 Hz | 84.90 | 0.00 | | 90.18 | 298.33 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -300.62 |
| | 8000 Hz | 61.80 | 0.00 | | 90.18 | 1064.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1089.43 |

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| WEAI164 | VWEA 47: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.61 | 1.04 | -3.00 | 0.00 | 0.00 | 2.42 | 0.00 | 25.23 |
| | 125 Hz | 111.00 | 0.00 | | 89.61 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.89 |
| | 250 Hz | 106.60 | 0.00 | | 89.61 | 8.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.10 |
| | 500 Hz | 103.70 | 0.00 | | 89.61 | 16.43 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 |
| | 1000 Hz | 99.80 | 0.00 | | 89.61 | 31.18 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.99 |
| | 2000 Hz | 95.60 | 0.00 | | 89.61 | 82.38 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -73.39 |
| | 4000 Hz | 86.90 | 0.00 | | 89.61 | 279.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -279.07 |
| | 8000 Hz | 65.40 | 0.00 | | 89.61 | 996.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1017.58 |

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| WEAI165 | VWEA 48: E-141 EP4* | | | | | | | | | | | |
| | 63 Hz | 115.30 | 0.00 | | 89.62 | 1.04 | -3.00 | 0.00 | 0.00 | 2.38 | 0.00 | 25.27 |
| | 125 Hz | 111.00 | 0.00 | | 89.62 | 3.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.88 |
| | 250 Hz | 106.60 | 0.00 | | 89.62 | 8.90 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.09 |
| | 500 Hz | 103.70 | 0.00 | | 89.62 | 16.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 |
| | 1000 Hz | 99.80 | 0.00 | | 89.62 | 31.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -18.01 |
| | 2000 Hz | 95.60 | 0.00 | | 89.62 | 82.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -73.44 |
| | 4000 Hz | 86.90 | 0.00 | | 89.62 | 279.50 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -279.22 |
| | 8000 Hz | 65.40 | 0.00 | | 89.62 | 996.88 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1018.10 |

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| WEAI169 | VWEA 50: V126 | | | | | | | | | | | |
| | 63 Hz | 107.80 | 0.00 | | 82.12 | 0.44 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.24 |
| | 125 Hz | 104.80 | 0.00 | | 82.12 | 1.48 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.20 |
| | 250 Hz | 101.20 | 0.00 | | 82.12 | 3.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.32 |
| | 500 Hz | 96.80 | 0.00 | | 82.12 | 6.94 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.74 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|--|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | | /dB |
| | 1000 Hz | 92.70 | 0.00 | | 82.12 | 13.16 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.41 |
| | 2000 Hz | 90.50 | 0.00 | | 82.12 | 34.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -23.41 |
| | 4000 Hz | 84.90 | 0.00 | | 82.12 | 117.96 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -112.19 |
| | 8000 Hz | 70.70 | 0.00 | | 82.12 | 420.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -429.15 |

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| WEAI021 | WEA 9: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 71.82 | 0.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 40.24 |
| | 125 Hz | 106.90 | 0.00 | | 71.82 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 37.62 |
| | 250 Hz | 104.10 | 0.00 | | 71.82 | 1.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.13 |
| | 500 Hz | 100.40 | 0.00 | | 71.82 | 2.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.46 |
| | 1000 Hz | 96.10 | 0.00 | | 71.82 | 4.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.25 |
| | 2000 Hz | 90.70 | 0.00 | | 71.82 | 10.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.25 |
| | 4000 Hz | 83.90 | 0.00 | | 71.82 | 36.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.96 |
| | 8000 Hz | 75.80 | 0.00 | | 71.82 | 128.54 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -121.57 |

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| WEAI020 | WEA 8: V162-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 74.95 | 0.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 39.06 |
| | 125 Hz | 108.80 | 0.00 | | 74.95 | 0.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.21 |
| | 250 Hz | 106.10 | 0.00 | | 74.95 | 1.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.51 |
| | 500 Hz | 102.40 | 0.00 | | 74.95 | 3.04 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.42 |
| | 1000 Hz | 98.10 | 0.00 | | 74.95 | 5.76 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 20.39 |
| | 2000 Hz | 92.80 | 0.00 | | 74.95 | 15.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 5.63 |
| | 4000 Hz | 85.90 | 0.00 | | 74.95 | 51.63 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -37.68 |
| | 8000 Hz | 77.90 | 0.00 | | 74.95 | 184.15 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -178.19 |

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| WEAI018 | WEA 7: V162-5.6 SO4 | | | | | | | | | | | | |
| | 63 Hz | 109.20 | 0.00 | | 75.98 | 0.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 36.01 |
| | 125 Hz | 106.90 | 0.00 | | 75.98 | 0.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.20 |
| | 250 Hz | 104.10 | 0.00 | | 75.98 | 1.85 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.27 |
| | 500 Hz | 100.40 | 0.00 | | 75.98 | 3.42 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.01 |
| | 1000 Hz | 96.10 | 0.00 | | 75.98 | 6.49 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.64 |
| | 2000 Hz | 90.70 | 0.00 | | 75.98 | 17.14 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.58 |
| | 4000 Hz | 83.90 | 0.00 | | 75.98 | 58.13 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -47.20 |
| | 8000 Hz | 75.80 | 0.00 | | 75.98 | 207.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -204.49 |

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| WEAI017 | WEA 6: V150-5.6 SO2 | | | | | | | | | | | | |
| | 63 Hz | 111.20 | 0.00 | | 81.41 | 0.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.39 |
| | 125 Hz | 108.80 | 0.00 | | 81.41 | 1.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.03 |
| | 250 Hz | 106.10 | 0.00 | | 81.41 | 3.46 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.24 |
| | 500 Hz | 102.40 | 0.00 | | 81.41 | 6.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.61 |
| | 1000 Hz | 98.10 | 0.00 | | 81.41 | 12.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.57 |
| | 2000 Hz | 92.80 | 0.00 | | 81.41 | 32.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -17.63 |
| | 4000 Hz | 85.90 | 0.00 | | 81.41 | 108.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -101.11 |
| | 8000 Hz | 77.90 | 0.00 | | 81.41 | 387.37 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -387.87 |

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| WEAI016 | WEA 5: V162-5.6 Modu | | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 82.43 | 0.45 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.21 |
| | 125 Hz | 110.70 | 0.00 | | 82.43 | 1.53 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.73 |
| | 250 Hz | 108.00 | 0.00 | | 82.43 | 3.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.67 |
| | 500 Hz | 104.50 | 0.00 | | 82.43 | 7.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 17.88 |
| | 1000 Hz | 100.10 | 0.00 | | 82.43 | 13.64 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 7.02 |
| | 2000 Hz | 94.80 | 0.00 | | 82.43 | 36.05 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -20.69 |
| | 4000 Hz | 87.90 | 0.00 | | 82.43 | 122.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -113.80 |
| | 8000 Hz | 79.90 | 0.00 | | 82.43 | 436.07 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | -435.60 |

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| WEAI015 | WEA 4: V150-5.6 SO0 | | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 83.38 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 32.42 |
| | 125 Hz | 110.90 | 0.00 | | 83.38 | 1.71 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.81 |
| | 250 Hz | 108.10 | 0.00 | | 83.38 | 4.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 23.38 |
| | 500 Hz | 104.40 | 0.00 | | 83.38 | 8.02 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 16.01 |

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| enveco GmbH | | |
| Windenergieprojekt Moddefeld | | |
| Bearbeiter: Dr. R. Böngeler | | |

| ISO 9613-2 | | LFT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet | | | | | | | | | | |
|------------|-------------|--|------|---------|-------|--------|-------|------|-------|------|------|---------|
| Element | Bezeichnung | Lw | Dc | Abstand | Adiv | Aatm | Agr | Afol | Ahous | Abar | Cmet | LFT |
| | | /dB | /dB | | /dB | /dB | /dB | /dB | /dB | /dB | /dB | /dB |
| | 1000 Hz | 100.10 | 0.00 | | 83.38 | 15.21 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.51 |
| | 2000 Hz | 94.80 | 0.00 | | 83.38 | 40.19 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -25.76 |
| | 4000 Hz | 88.00 | 0.00 | | 83.38 | 136.28 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -128.66 |
| | 8000 Hz | 80.00 | 0.00 | | 83.38 | 486.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -486.44 |

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| WEAI014 | WEA 3: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 83.49 | 0.51 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.10 |
| | 125 Hz | 110.70 | 0.00 | | 83.49 | 1.73 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.48 |
| | 250 Hz | 108.00 | 0.00 | | 83.49 | 4.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.12 |
| | 500 Hz | 104.50 | 0.00 | | 83.49 | 8.12 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.89 |
| | 1000 Hz | 100.10 | 0.00 | | 83.49 | 15.40 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.21 |
| | 2000 Hz | 94.80 | 0.00 | | 83.49 | 40.70 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -26.39 |
| | 4000 Hz | 87.90 | 0.00 | | 83.49 | 138.03 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -130.61 |
| | 8000 Hz | 79.90 | 0.00 | | 83.49 | 492.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -492.88 |

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| WEAI013 | WEA 2: V150-5.6 SOO | | | | | | | | | | | |
| | 63 Hz | 113.30 | 0.00 | | 84.23 | 0.56 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.51 |
| | 125 Hz | 110.90 | 0.00 | | 84.23 | 1.89 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.78 |
| | 250 Hz | 108.10 | 0.00 | | 84.23 | 4.79 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.08 |
| | 500 Hz | 104.40 | 0.00 | | 84.23 | 8.84 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.33 |
| | 1000 Hz | 100.10 | 0.00 | | 84.23 | 16.78 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 |
| | 2000 Hz | 94.80 | 0.00 | | 84.23 | 44.34 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -30.77 |
| | 4000 Hz | 88.00 | 0.00 | | 84.23 | 150.36 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -143.59 |
| | 8000 Hz | 80.00 | 0.00 | | 84.23 | 536.29 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -537.52 |

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| WEAI001 | WEA 1: V162-5.6 Modu | | | | | | | | | | | |
| | 63 Hz | 113.10 | 0.00 | | 84.99 | 0.61 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.50 |
| | 125 Hz | 110.70 | 0.00 | | 84.99 | 2.06 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.65 |
| | 250 Hz | 108.00 | 0.00 | | 84.99 | 5.22 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.79 |
| | 500 Hz | 104.50 | 0.00 | | 84.99 | 9.65 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.86 |
| | 1000 Hz | 100.10 | 0.00 | | 84.99 | 18.31 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.20 |
| | 2000 Hz | 94.80 | 0.00 | | 84.99 | 48.39 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -35.58 |
| | 4000 Hz | 87.90 | 0.00 | | 84.99 | 164.09 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -158.18 |
| | 8000 Hz | 79.90 | 0.00 | | 84.99 | 585.26 | -3.00 | 0.00 | 0.00 | 0.00 | 0.00 | -587.35 |