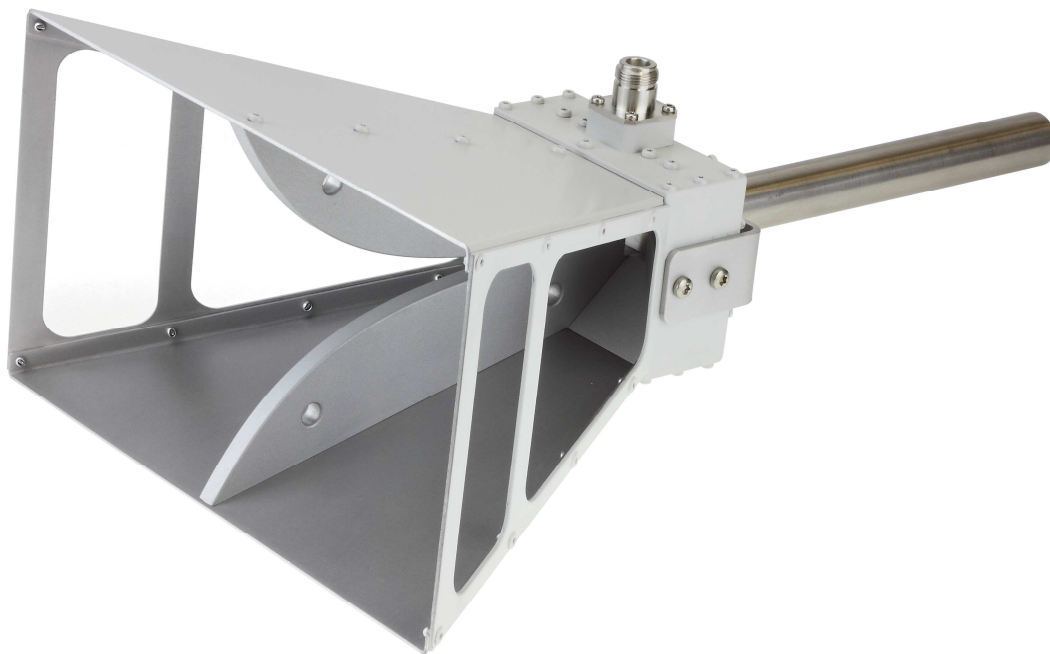


Doppelsteg Breitband Hornantenne *Double Ridge Broadband Horn*


Beschreibung:

Linear polarisierte Doppelsteg Breitband Hornantenne in Aluminiumausführung für Empfangs- und Sendeanwendungen.

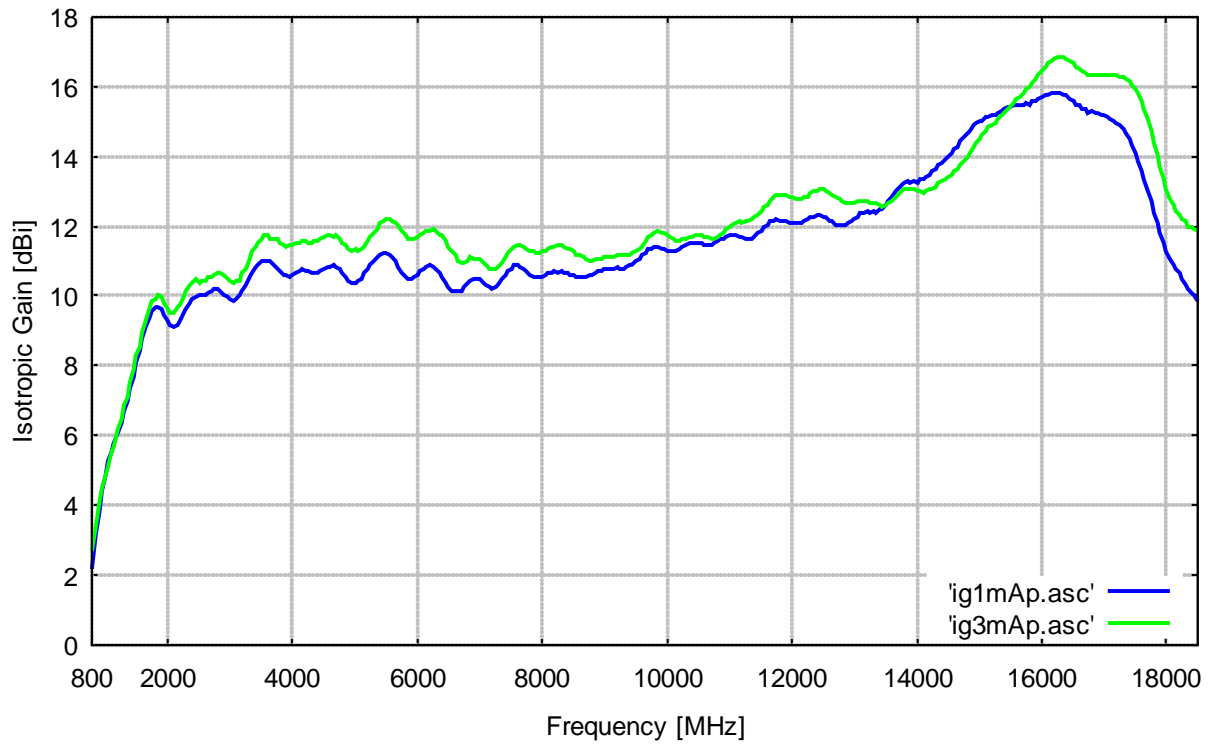
Description:

Linear polarized Double Ridge Broadband Horn Antenna (Aluminium) for Receive and Transmit Applications.

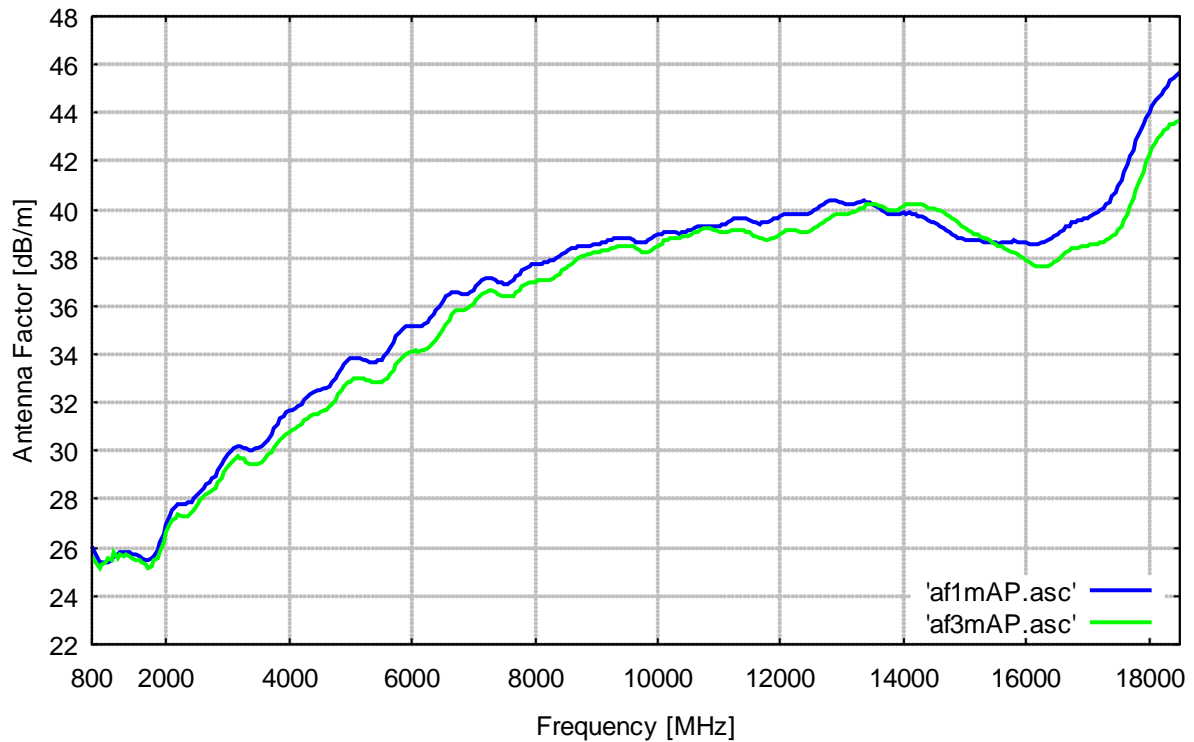
| Technische Daten: | | Specifications: |
|------------------------------------|--------------------------------------|---|
| Frequenzbereich, nominell: | 1 GHz...18 GHz | <i>Nominal Frequency Range:</i> |
| Nutzbarer Frequenzbereich: | 800 MHz ... 18 GHz | <i>Usable Frequency Range:</i> |
| Isotropiegewinn: | 5 ... 17 dBi | <i>Isotropic Gain:</i> |
| Antennenfaktor: | 25 ... 44 dB/m | <i>Antenna Factor:</i> |
| Impedanz, nominell: | 50 Ω | <i>Nominal Impedance:</i> |
| Stehwellenverhältnis SWR typisch: | ≈1.5 | <i>Standing Wave Ratio SWR typical:</i> |
| Vor- Rückverhältnis: | > 25 dB (f > 1.3 GHz) | <i>Front to Back Ratio:</i> |
| Polarisationsentkopplung: | > 25 dB (1 GHz...18 GHz) | <i>Cross Polarisation:</i> |
| 3 dB Öffnungswinkel typ.(E-Ebene): | 90°-8° | <i>3 dB Beamwidth typ. (E-Plane):</i> |
| 3 dB Öffnungswinkel typ.(H-Ebene): | 60°-7° | <i>3 dB Beamwidth typ. (H-Plane):</i> |
| Max. Eingangsleistung: | <i>see diagram</i> siehe Diagramm | <i>Max. Input Power:</i> |
| Anschlußart: N-Buchse | | <i>N-Connector female</i> |
| Halterung: 22 mm Rohr, Rastring | | <i>Mount: 22 mm Tube, Indexing Ring</i> |
| Breite x Länge x Dicke: | 250 x 195 (408) x 142 mm | <i>Width x Length x Thickness:</i> |
| Gewicht: | 1.4 kg | <i>Weight:</i> |



Isotropgewinn



Antennen-Wandlungsmaß



| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 800.00 | 2.19 | 26.09 | 2.68 | 25.61 | 1.85 | 26.43 |
| 850.00 | 3.12 | 25.69 | 3.40 | 25.41 | 2.66 | 26.15 |
| 900.00 | 3.89 | 25.42 | 4.18 | 25.13 | 3.68 | 25.63 |
| 950.00 | 4.40 | 25.37 | 4.48 | 25.29 | 4.42 | 25.35 |
| 1000.00 | 4.87 | 25.35 | 4.85 | 25.37 | 4.48 | 25.74 |
| 1050.00 | 5.25 | 25.40 | 5.09 | 25.55 | 4.91 | 25.73 |
| 1100.00 | 5.54 | 25.51 | 5.56 | 25.48 | 5.41 | 25.64 |
| 1150.00 | 5.79 | 25.65 | 5.66 | 25.77 | 5.67 | 25.77 |
| 1200.00 | 6.09 | 25.71 | 6.21 | 25.59 | 6.21 | 25.59 |
| 1250.00 | 6.35 | 25.80 | 6.46 | 25.69 | 6.51 | 25.65 |
| 1300.00 | 6.69 | 25.81 | 6.88 | 25.62 | 6.87 | 25.63 |
| 1350.00 | 6.99 | 25.84 | 7.09 | 25.74 | 7.32 | 25.51 |
| 1400.00 | 7.32 | 25.82 | 7.52 | 25.62 | 7.64 | 25.50 |
| 1450.00 | 7.70 | 25.75 | 7.92 | 25.53 | 7.94 | 25.51 |
| 1500.00 | 8.06 | 25.68 | 8.29 | 25.45 | 8.53 | 25.21 |
| 1550.00 | 8.42 | 25.60 | 8.56 | 25.47 | 8.78 | 25.24 |
| 1600.00 | 8.78 | 25.52 | 8.95 | 25.35 | 9.17 | 25.13 |
| 1650.00 | 9.09 | 25.48 | 9.30 | 25.27 | 9.42 | 25.15 |
| 1700.00 | 9.37 | 25.46 | 9.67 | 25.16 | 9.76 | 25.07 |
| 1750.00 | 9.55 | 25.53 | 9.83 | 25.25 | 10.03 | 25.05 |
| 1800.00 | 9.66 | 25.67 | 9.90 | 25.43 | 10.21 | 25.12 |
| 1850.00 | 9.69 | 25.87 | 10.03 | 25.53 | 10.14 | 25.42 |
| 1900.00 | 9.61 | 26.19 | 9.96 | 25.83 | 10.14 | 25.65 |
| 1950.00 | 9.46 | 26.56 | 9.79 | 26.24 | 9.91 | 26.11 |
| 2000.00 | 9.30 | 26.94 | 9.60 | 26.64 | 10.00 | 26.24 |
| 2050.00 | 9.16 | 27.30 | 9.50 | 26.95 | 9.90 | 26.56 |
| 2100.00 | 9.13 | 27.54 | 9.50 | 27.16 | 9.77 | 26.90 |
| 2150.00 | 9.19 | 27.68 | 9.66 | 27.21 | 9.77 | 27.10 |
| 2200.00 | 9.29 | 27.78 | 9.73 | 27.34 | 9.91 | 27.16 |
| 2250.00 | 9.49 | 27.78 | 9.98 | 27.29 | 10.06 | 27.20 |
| 2300.00 | 9.65 | 27.80 | 10.15 | 27.31 | 10.37 | 27.09 |
| 2350.00 | 9.81 | 27.84 | 10.32 | 27.32 | 10.34 | 27.30 |
| 2400.00 | 9.91 | 27.91 | 10.38 | 27.44 | 10.45 | 27.37 |
| 2450.00 | 9.96 | 28.04 | 10.46 | 27.54 | 10.48 | 27.52 |
| 2500.00 | 10.00 | 28.18 | 10.40 | 27.78 | 10.55 | 27.63 |
| 2550.00 | 10.04 | 28.31 | 10.41 | 27.94 | 10.51 | 27.85 |
| 2600.00 | 10.03 | 28.49 | 10.42 | 28.10 | 10.59 | 27.92 |
| 2650.00 | 10.09 | 28.60 | 10.52 | 28.17 | 10.58 | 28.11 |
| 2700.00 | 10.12 | 28.73 | 10.56 | 28.29 | 10.63 | 28.22 |
| 2750.00 | 10.18 | 28.83 | 10.62 | 28.39 | 10.62 | 28.39 |
| 2800.00 | 10.19 | 28.98 | 10.68 | 28.48 | 10.68 | 28.48 |
| 2850.00 | 10.12 | 29.19 | 10.63 | 28.68 | 10.70 | 28.62 |
| 2900.00 | 10.05 | 29.42 | 10.62 | 28.84 | 10.83 | 28.64 |
| 2950.00 | 9.97 | 29.64 | 10.51 | 29.11 | 10.64 | 28.97 |
| 3000.00 | 9.90 | 29.86 | 10.41 | 29.35 | 10.58 | 29.18 |
| 3050.00 | 9.88 | 30.03 | 10.35 | 29.56 | 10.50 | 29.40 |
| 3100.00 | 9.92 | 30.13 | 10.44 | 29.60 | 10.67 | 29.37 |
| 3150.00 | 10.00 | 30.18 | 10.45 | 29.74 | 10.79 | 29.40 |
| 3200.00 | 10.14 | 30.18 | 10.65 | 29.68 | 10.91 | 29.42 |
| 3250.00 | 10.33 | 30.13 | 10.80 | 29.66 | 10.99 | 29.47 |
| 3300.00 | 10.52 | 30.07 | 11.08 | 29.51 | 11.18 | 29.41 |
| 3350.00 | 10.68 | 30.04 | 11.28 | 29.44 | 11.33 | 29.39 |
| 3400.00 | 10.84 | 30.01 | 11.42 | 29.43 | 11.54 | 29.31 |



| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 3450.00 | 10.91 | 30.07 | 11.51 | 29.47 | 11.60 | 29.38 |
| 3500.00 | 11.00 | 30.10 | 11.65 | 29.45 | 11.63 | 29.47 |
| 3550.00 | 11.03 | 30.19 | 11.72 | 29.50 | 11.66 | 29.56 |
| 3600.00 | 11.03 | 30.31 | 11.74 | 29.61 | 11.58 | 29.77 |
| 3650.00 | 10.99 | 30.48 | 11.65 | 29.82 | 11.66 | 29.80 |
| 3700.00 | 10.89 | 30.69 | 11.63 | 29.95 | 11.61 | 29.97 |
| 3750.00 | 10.78 | 30.92 | 11.62 | 30.08 | 11.53 | 30.17 |
| 3800.00 | 10.69 | 31.12 | 11.49 | 30.33 | 11.44 | 30.37 |
| 3850.00 | 10.61 | 31.32 | 11.44 | 30.48 | 11.41 | 30.52 |
| 3900.00 | 10.58 | 31.47 | 11.43 | 30.61 | 11.42 | 30.62 |
| 3950.00 | 10.57 | 31.59 | 11.45 | 30.71 | 11.52 | 30.64 |
| 4000.00 | 10.62 | 31.64 | 11.46 | 30.80 | 11.59 | 30.67 |
| 4050.00 | 10.68 | 31.68 | 11.51 | 30.86 | 11.66 | 30.71 |
| 4100.00 | 10.74 | 31.74 | 11.54 | 30.93 | 11.79 | 30.69 |
| 4150.00 | 10.75 | 31.83 | 11.60 | 30.98 | 11.81 | 30.77 |
| 4200.00 | 10.73 | 31.96 | 11.59 | 31.10 | 11.78 | 30.90 |
| 4250.00 | 10.71 | 32.08 | 11.54 | 31.25 | 11.74 | 31.05 |
| 4300.00 | 10.67 | 32.22 | 11.53 | 31.36 | 11.76 | 31.13 |
| 4350.00 | 10.64 | 32.35 | 11.56 | 31.43 | 11.71 | 31.28 |
| 4400.00 | 10.67 | 32.42 | 11.58 | 31.51 | 11.75 | 31.34 |
| 4450.00 | 10.70 | 32.49 | 11.65 | 31.54 | 11.70 | 31.48 |
| 4500.00 | 10.76 | 32.52 | 11.69 | 31.59 | 11.72 | 31.57 |
| 4550.00 | 10.83 | 32.55 | 11.72 | 31.66 | 11.79 | 31.59 |
| 4600.00 | 10.84 | 32.63 | 11.76 | 31.71 | 11.83 | 31.64 |
| 4650.00 | 10.87 | 32.70 | 11.71 | 31.86 | 11.82 | 31.75 |
| 4700.00 | 10.83 | 32.83 | 11.72 | 31.94 | 11.75 | 31.91 |
| 4750.00 | 10.76 | 33.00 | 11.64 | 32.11 | 11.65 | 32.10 |
| 4800.00 | 10.66 | 33.19 | 11.53 | 32.32 | 11.66 | 32.19 |
| 4850.00 | 10.55 | 33.39 | 11.44 | 32.49 | 11.61 | 32.32 |
| 4900.00 | 10.45 | 33.57 | 11.37 | 32.66 | 11.53 | 32.49 |
| 4950.00 | 10.40 | 33.71 | 11.30 | 32.81 | 11.47 | 32.64 |
| 5000.00 | 10.40 | 33.80 | 11.32 | 32.88 | 11.39 | 32.81 |
| 5050.00 | 10.44 | 33.85 | 11.29 | 33.00 | 11.38 | 32.91 |
| 5100.00 | 10.51 | 33.86 | 11.33 | 33.04 | 11.44 | 32.93 |
| 5150.00 | 10.63 | 33.83 | 11.41 | 33.04 | 11.52 | 32.94 |
| 5200.00 | 10.76 | 33.78 | 11.55 | 32.99 | 11.67 | 32.87 |
| 5250.00 | 10.88 | 33.74 | 11.67 | 32.95 | 11.75 | 32.88 |
| 5300.00 | 11.01 | 33.69 | 11.82 | 32.89 | 11.89 | 32.81 |
| 5350.00 | 11.09 | 33.69 | 11.94 | 32.84 | 12.01 | 32.78 |
| 5400.00 | 11.18 | 33.69 | 12.07 | 32.80 | 12.15 | 32.72 |
| 5450.00 | 11.23 | 33.72 | 12.15 | 32.80 | 12.29 | 32.66 |
| 5500.00 | 11.24 | 33.79 | 12.21 | 32.81 | 12.31 | 32.71 |
| 5550.00 | 11.19 | 33.91 | 12.19 | 32.91 | 12.25 | 32.85 |
| 5600.00 | 11.12 | 34.07 | 12.16 | 33.02 | 12.26 | 32.92 |
| 5650.00 | 10.99 | 34.27 | 12.11 | 33.15 | 12.21 | 33.05 |
| 5700.00 | 10.83 | 34.50 | 12.01 | 33.32 | 12.19 | 33.15 |
| 5750.00 | 10.67 | 34.74 | 11.85 | 33.56 | 12.05 | 33.36 |
| 5800.00 | 10.56 | 34.93 | 11.74 | 33.75 | 11.88 | 33.60 |
| 5850.00 | 10.48 | 35.08 | 11.66 | 33.90 | 11.81 | 33.75 |
| 5900.00 | 10.49 | 35.15 | 11.62 | 34.02 | 11.80 | 33.84 |
| 5950.00 | 10.53 | 35.18 | 11.64 | 34.07 | 11.79 | 33.92 |
| 6000.00 | 10.62 | 35.16 | 11.69 | 34.09 | 11.86 | 33.92 |
| 6050.00 | 10.70 | 35.15 | 11.72 | 34.13 | 11.90 | 33.96 |
| 6100.00 | 10.80 | 35.12 | 11.80 | 34.12 | 11.95 | 33.98 |

| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 6150.00 | 10.84 | 35.16 | 11.87 | 34.13 | 11.99 | 34.00 |
| 6200.00 | 10.86 | 35.21 | 11.87 | 34.20 | 11.95 | 34.12 |
| 6250.00 | 10.82 | 35.32 | 11.90 | 34.24 | 11.99 | 34.15 |
| 6300.00 | 10.75 | 35.46 | 11.86 | 34.35 | 12.01 | 34.20 |
| 6350.00 | 10.65 | 35.62 | 11.77 | 34.50 | 11.87 | 34.40 |
| 6400.00 | 10.54 | 35.80 | 11.72 | 34.62 | 11.79 | 34.56 |
| 6450.00 | 10.40 | 36.01 | 11.58 | 34.83 | 11.65 | 34.77 |
| 6500.00 | 10.27 | 36.21 | 11.40 | 35.08 | 11.53 | 34.95 |
| 6550.00 | 10.17 | 36.38 | 11.29 | 35.25 | 11.46 | 35.08 |
| 6600.00 | 10.13 | 36.48 | 11.17 | 35.44 | 11.32 | 35.29 |
| 6650.00 | 10.12 | 36.56 | 11.03 | 35.65 | 11.25 | 35.43 |
| 6700.00 | 10.16 | 36.58 | 10.97 | 35.78 | 11.14 | 35.60 |
| 6750.00 | 10.26 | 36.54 | 10.96 | 35.84 | 11.05 | 35.76 |
| 6800.00 | 10.35 | 36.52 | 11.03 | 35.84 | 11.17 | 35.70 |
| 6850.00 | 10.44 | 36.49 | 11.10 | 35.83 | 11.28 | 35.66 |
| 6900.00 | 10.48 | 36.52 | 11.08 | 35.92 | 11.32 | 35.67 |
| 6950.00 | 10.48 | 36.58 | 11.06 | 36.00 | 11.28 | 35.78 |
| 7000.00 | 10.46 | 36.66 | 11.04 | 36.08 | 11.15 | 35.97 |
| 7050.00 | 10.39 | 36.80 | 10.97 | 36.21 | 11.16 | 36.02 |
| 7100.00 | 10.30 | 36.95 | 10.86 | 36.38 | 11.16 | 36.08 |
| 7150.00 | 10.25 | 37.06 | 10.80 | 36.51 | 11.02 | 36.29 |
| 7200.00 | 10.22 | 37.15 | 10.76 | 36.60 | 10.89 | 36.48 |
| 7250.00 | 10.26 | 37.16 | 10.77 | 36.65 | 10.82 | 36.61 |
| 7300.00 | 10.33 | 37.15 | 10.81 | 36.68 | 10.88 | 36.60 |
| 7350.00 | 10.46 | 37.08 | 10.95 | 36.59 | 11.03 | 36.52 |
| 7400.00 | 10.58 | 37.02 | 11.11 | 36.49 | 11.20 | 36.41 |
| 7450.00 | 10.72 | 36.94 | 11.24 | 36.43 | 11.31 | 36.35 |
| 7500.00 | 10.80 | 36.92 | 11.32 | 36.40 | 11.43 | 36.29 |
| 7550.00 | 10.87 | 36.91 | 11.39 | 36.39 | 11.52 | 36.26 |
| 7600.00 | 10.86 | 36.98 | 11.44 | 36.39 | 11.54 | 36.29 |
| 7650.00 | 10.83 | 37.06 | 11.46 | 36.44 | 11.54 | 36.35 |
| 7700.00 | 10.75 | 37.20 | 11.40 | 36.55 | 11.57 | 36.38 |
| 7750.00 | 10.69 | 37.31 | 11.32 | 36.69 | 11.48 | 36.53 |
| 7800.00 | 10.61 | 37.45 | 11.28 | 36.78 | 11.36 | 36.70 |
| 7850.00 | 10.57 | 37.55 | 11.26 | 36.86 | 11.28 | 36.83 |
| 7900.00 | 10.54 | 37.63 | 11.23 | 36.94 | 11.29 | 36.89 |
| 7950.00 | 10.54 | 37.69 | 11.23 | 37.00 | 11.39 | 36.84 |
| 8000.00 | 10.57 | 37.71 | 11.27 | 37.01 | 11.45 | 36.83 |
| 8050.00 | 10.59 | 37.75 | 11.31 | 37.03 | 11.43 | 36.91 |
| 8100.00 | 10.64 | 37.75 | 11.36 | 37.03 | 11.44 | 36.95 |
| 8150.00 | 10.66 | 37.79 | 11.40 | 37.05 | 11.56 | 36.88 |
| 8200.00 | 10.69 | 37.80 | 11.42 | 37.08 | 11.66 | 36.84 |
| 8250.00 | 10.68 | 37.87 | 11.45 | 37.10 | 11.70 | 36.85 |
| 8300.00 | 10.70 | 37.90 | 11.44 | 37.16 | 11.66 | 36.94 |
| 8350.00 | 10.67 | 37.99 | 11.41 | 37.25 | 11.62 | 37.04 |
| 8400.00 | 10.66 | 38.05 | 11.37 | 37.33 | 11.61 | 37.09 |
| 8450.00 | 10.60 | 38.15 | 11.32 | 37.44 | 11.60 | 37.15 |
| 8500.00 | 10.59 | 38.21 | 11.26 | 37.54 | 11.54 | 37.27 |
| 8550.00 | 10.55 | 38.31 | 11.20 | 37.66 | 11.48 | 37.38 |
| 8600.00 | 10.54 | 38.37 | 11.16 | 37.75 | 11.38 | 37.53 |
| 8650.00 | 10.53 | 38.43 | 11.09 | 37.87 | 11.28 | 37.68 |
| 8700.00 | 10.53 | 38.48 | 11.05 | 37.96 | 11.25 | 37.76 |
| 8750.00 | 10.58 | 38.48 | 11.03 | 38.03 | 11.24 | 37.82 |
| 8800.00 | 10.62 | 38.49 | 11.03 | 38.08 | 11.26 | 37.85 |

| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 8850.00 | 10.66 | 38.50 | 11.04 | 38.12 | 11.28 | 37.88 |
| 8900.00 | 10.70 | 38.51 | 11.08 | 38.13 | 11.23 | 37.98 |
| 8950.00 | 10.73 | 38.52 | 11.07 | 38.19 | 11.21 | 38.04 |
| 9000.00 | 10.75 | 38.55 | 11.11 | 38.20 | 11.31 | 37.99 |
| 9050.00 | 10.77 | 38.58 | 11.11 | 38.25 | 11.37 | 37.98 |
| 9100.00 | 10.79 | 38.61 | 11.13 | 38.27 | 11.38 | 38.02 |
| 9150.00 | 10.79 | 38.65 | 11.13 | 38.32 | 11.34 | 38.11 |
| 9200.00 | 10.81 | 38.68 | 11.16 | 38.34 | 11.28 | 38.22 |
| 9250.00 | 10.80 | 38.74 | 11.17 | 38.37 | 11.29 | 38.25 |
| 9300.00 | 10.80 | 38.79 | 11.16 | 38.43 | 11.33 | 38.26 |
| 9350.00 | 10.83 | 38.81 | 11.16 | 38.48 | 11.30 | 38.34 |
| 9400.00 | 10.86 | 38.82 | 11.19 | 38.49 | 11.28 | 38.41 |
| 9450.00 | 10.90 | 38.82 | 11.22 | 38.51 | 11.29 | 38.44 |
| 9500.00 | 10.98 | 38.79 | 11.28 | 38.50 | 11.35 | 38.42 |
| 9550.00 | 11.04 | 38.78 | 11.35 | 38.47 | 11.43 | 38.39 |
| 9600.00 | 11.15 | 38.72 | 11.43 | 38.44 | 11.53 | 38.34 |
| 9650.00 | 11.25 | 38.66 | 11.56 | 38.35 | 11.64 | 38.27 |
| 9700.00 | 11.33 | 38.63 | 11.68 | 38.28 | 11.73 | 38.23 |
| 9750.00 | 11.36 | 38.64 | 11.77 | 38.23 | 11.78 | 38.22 |
| 9800.00 | 11.38 | 38.66 | 11.82 | 38.22 | 11.84 | 38.20 |
| 9850.00 | 11.39 | 38.70 | 11.86 | 38.22 | 11.95 | 38.13 |
| 9900.00 | 11.35 | 38.78 | 11.81 | 38.32 | 12.04 | 38.09 |
| 9950.00 | 11.33 | 38.85 | 11.78 | 38.40 | 12.04 | 38.13 |
| 10000.00 | 11.28 | 38.94 | 11.73 | 38.49 | 11.99 | 38.23 |
| 10050.00 | 11.27 | 39.00 | 11.69 | 38.58 | 11.95 | 38.31 |
| 10100.00 | 11.28 | 39.02 | 11.62 | 38.68 | 11.94 | 38.36 |
| 10150.00 | 11.30 | 39.05 | 11.59 | 38.76 | 11.92 | 38.43 |
| 10200.00 | 11.33 | 39.06 | 11.58 | 38.81 | 11.82 | 38.57 |
| 10250.00 | 11.41 | 39.03 | 11.66 | 38.78 | 11.80 | 38.64 |
| 10300.00 | 11.45 | 39.03 | 11.65 | 38.83 | 11.79 | 38.69 |
| 10350.00 | 11.52 | 39.00 | 11.69 | 38.83 | 11.78 | 38.74 |
| 10400.00 | 11.52 | 39.04 | 11.70 | 38.86 | 11.82 | 38.74 |
| 10450.00 | 11.54 | 39.07 | 11.75 | 38.85 | 11.83 | 38.77 |
| 10500.00 | 11.53 | 39.12 | 11.75 | 38.90 | 11.85 | 38.79 |
| 10550.00 | 11.51 | 39.17 | 11.73 | 38.96 | 11.84 | 38.85 |
| 10600.00 | 11.48 | 39.25 | 11.67 | 39.06 | 11.75 | 38.98 |
| 10650.00 | 11.47 | 39.30 | 11.68 | 39.09 | 11.74 | 39.03 |
| 10700.00 | 11.47 | 39.34 | 11.64 | 39.17 | 11.78 | 39.03 |
| 10750.00 | 11.51 | 39.34 | 11.66 | 39.19 | 11.84 | 39.00 |
| 10800.00 | 11.56 | 39.33 | 11.67 | 39.22 | 11.85 | 39.04 |
| 10850.00 | 11.61 | 39.32 | 11.75 | 39.18 | 11.85 | 39.08 |
| 10900.00 | 11.66 | 39.31 | 11.82 | 39.15 | 11.90 | 39.07 |
| 10950.00 | 11.71 | 39.30 | 11.91 | 39.10 | 12.06 | 38.95 |
| 11000.00 | 11.74 | 39.31 | 11.97 | 39.07 | 12.15 | 38.90 |
| 11050.00 | 11.73 | 39.36 | 12.05 | 39.04 | 12.24 | 38.85 |
| 11100.00 | 11.73 | 39.40 | 12.08 | 39.05 | 12.26 | 38.87 |
| 11150.00 | 11.69 | 39.47 | 12.12 | 39.05 | 12.26 | 38.91 |
| 11200.00 | 11.67 | 39.53 | 12.10 | 39.11 | 12.26 | 38.95 |
| 11250.00 | 11.64 | 39.60 | 12.14 | 39.10 | 12.31 | 38.93 |
| 11300.00 | 11.63 | 39.65 | 12.15 | 39.13 | 12.30 | 38.99 |
| 11350.00 | 11.66 | 39.66 | 12.19 | 39.13 | 12.30 | 39.02 |
| 11400.00 | 11.71 | 39.65 | 12.25 | 39.11 | 12.28 | 39.07 |
| 11450.00 | 11.79 | 39.61 | 12.33 | 39.07 | 12.32 | 39.07 |
| 11500.00 | 11.86 | 39.57 | 12.41 | 39.02 | 12.47 | 38.96 |



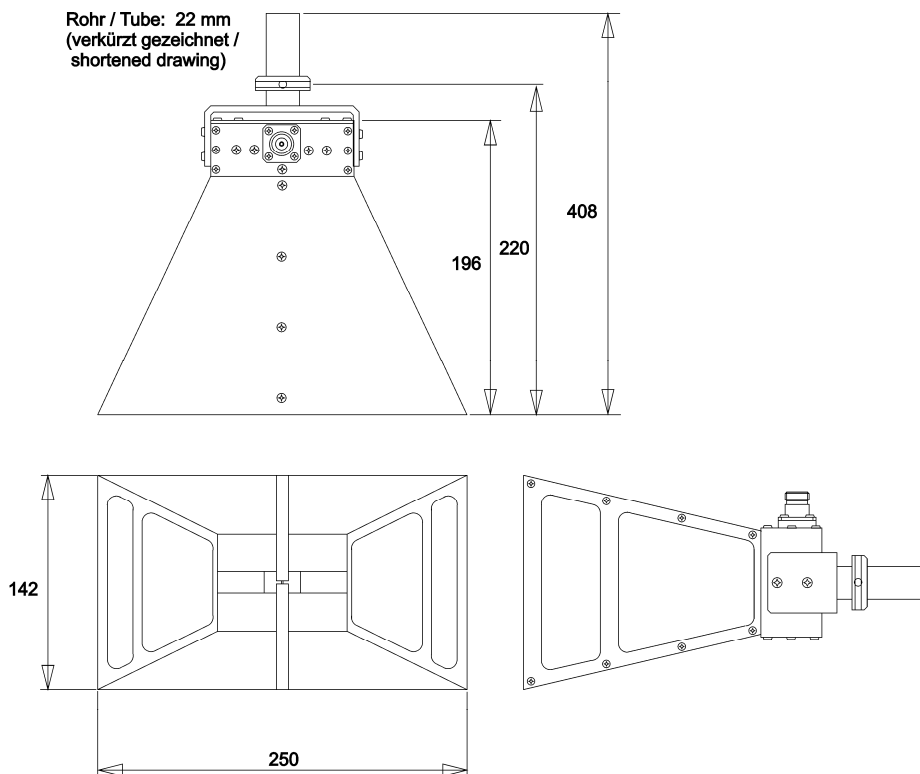
| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 11550.00 | 11.97 | 39.50 | 12.55 | 38.92 | 12.65 | 38.82 |
| 11600.00 | 12.04 | 39.47 | 12.62 | 38.89 | 12.77 | 38.74 |
| 11650.00 | 12.12 | 39.42 | 12.72 | 38.83 | 12.85 | 38.69 |
| 11700.00 | 12.16 | 39.43 | 12.81 | 38.77 | 12.92 | 38.66 |
| 11750.00 | 12.19 | 39.43 | 12.87 | 38.75 | 12.99 | 38.63 |
| 11800.00 | 12.17 | 39.49 | 12.91 | 38.75 | 13.08 | 38.58 |
| 11850.00 | 12.16 | 39.53 | 12.92 | 38.77 | 13.09 | 38.60 |
| 11900.00 | 12.14 | 39.60 | 12.91 | 38.82 | 13.07 | 38.67 |
| 11950.00 | 12.10 | 39.66 | 12.86 | 38.91 | 13.05 | 38.72 |
| 12000.00 | 12.09 | 39.72 | 12.83 | 38.97 | 12.97 | 38.84 |
| 12050.00 | 12.07 | 39.77 | 12.80 | 39.04 | 12.96 | 38.88 |
| 12100.00 | 12.09 | 39.79 | 12.77 | 39.10 | 12.94 | 38.93 |
| 12150.00 | 12.11 | 39.80 | 12.79 | 39.12 | 12.93 | 38.99 |
| 12200.00 | 12.15 | 39.80 | 12.82 | 39.13 | 12.93 | 39.01 |
| 12250.00 | 12.20 | 39.79 | 12.85 | 39.13 | 12.97 | 39.02 |
| 12300.00 | 12.25 | 39.77 | 12.94 | 39.08 | 13.00 | 39.02 |
| 12350.00 | 12.29 | 39.76 | 12.99 | 39.06 | 13.12 | 38.93 |
| 12400.00 | 12.31 | 39.78 | 13.02 | 39.07 | 13.17 | 38.92 |
| 12450.00 | 12.32 | 39.81 | 13.04 | 39.08 | 13.20 | 38.92 |
| 12500.00 | 12.28 | 39.88 | 13.04 | 39.12 | 13.21 | 38.95 |
| 12550.00 | 12.26 | 39.93 | 13.00 | 39.19 | 13.15 | 39.04 |
| 12600.00 | 12.17 | 40.06 | 12.95 | 39.28 | 13.12 | 39.11 |
| 12650.00 | 12.14 | 40.12 | 12.89 | 39.37 | 13.08 | 39.18 |
| 12700.00 | 12.06 | 40.24 | 12.82 | 39.48 | 13.00 | 39.30 |
| 12750.00 | 12.05 | 40.28 | 12.76 | 39.57 | 12.94 | 39.39 |
| 12800.00 | 12.02 | 40.34 | 12.74 | 39.63 | 12.89 | 39.47 |
| 12850.00 | 12.05 | 40.35 | 12.68 | 39.72 | 12.83 | 39.57 |
| 12900.00 | 12.09 | 40.34 | 12.66 | 39.77 | 12.83 | 39.60 |
| 12950.00 | 12.15 | 40.31 | 12.66 | 39.81 | 12.81 | 39.65 |
| 13000.00 | 12.23 | 40.26 | 12.66 | 39.83 | 12.80 | 39.70 |
| 13050.00 | 12.28 | 40.25 | 12.72 | 39.81 | 12.83 | 39.71 |
| 13100.00 | 12.36 | 40.21 | 12.75 | 39.82 | 12.83 | 39.73 |
| 13150.00 | 12.35 | 40.25 | 12.72 | 39.88 | 12.81 | 39.79 |
| 13200.00 | 12.41 | 40.22 | 12.71 | 39.92 | 12.80 | 39.83 |
| 13250.00 | 12.37 | 40.29 | 12.69 | 39.98 | 12.80 | 39.87 |
| 13300.00 | 12.42 | 40.28 | 12.69 | 40.01 | 12.77 | 39.93 |
| 13350.00 | 12.39 | 40.34 | 12.65 | 40.08 | 12.74 | 39.99 |
| 13400.00 | 12.47 | 40.29 | 12.58 | 40.18 | 12.66 | 40.10 |
| 13450.00 | 12.49 | 40.31 | 12.57 | 40.22 | 12.66 | 40.13 |
| 13500.00 | 12.63 | 40.19 | 12.60 | 40.22 | 12.74 | 40.09 |
| 13550.00 | 12.72 | 40.14 | 12.67 | 40.19 | 12.83 | 40.03 |
| 13600.00 | 12.85 | 40.04 | 12.74 | 40.15 | 12.90 | 39.99 |
| 13650.00 | 12.98 | 39.94 | 12.83 | 40.09 | 13.01 | 39.92 |
| 13700.00 | 13.07 | 39.89 | 12.91 | 40.04 | 13.05 | 39.90 |
| 13750.00 | 13.18 | 39.81 | 13.02 | 39.97 | 13.19 | 39.80 |
| 13800.00 | 13.21 | 39.81 | 13.06 | 39.96 | 13.22 | 39.79 |
| 13850.00 | 13.27 | 39.78 | 13.08 | 39.97 | 13.21 | 39.84 |
| 13900.00 | 13.26 | 39.82 | 13.09 | 39.99 | 13.19 | 39.89 |
| 13950.00 | 13.31 | 39.81 | 13.08 | 40.03 | 13.14 | 39.98 |
| 14000.00 | 13.26 | 39.89 | 13.00 | 40.14 | 13.05 | 40.09 |
| 14050.00 | 13.34 | 39.83 | 12.98 | 40.19 | 13.06 | 40.12 |
| 14100.00 | 13.33 | 39.87 | 12.97 | 40.23 | 13.03 | 40.18 |
| 14150.00 | 13.43 | 39.80 | 12.99 | 40.24 | 12.99 | 40.25 |
| 14200.00 | 13.48 | 39.79 | 13.04 | 40.23 | 13.03 | 40.24 |

| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 14250.00 | 13.58 | 39.72 | 13.06 | 40.23 | 13.04 | 40.25 |
| 14300.00 | 13.65 | 39.68 | 13.13 | 40.20 | 13.11 | 40.21 |
| 14350.00 | 13.76 | 39.59 | 13.22 | 40.13 | 13.22 | 40.14 |
| 14400.00 | 13.81 | 39.57 | 13.31 | 40.08 | 13.24 | 40.15 |
| 14450.00 | 13.92 | 39.50 | 13.37 | 40.05 | 13.31 | 40.11 |
| 14500.00 | 13.99 | 39.45 | 13.43 | 40.02 | 13.39 | 40.06 |
| 14550.00 | 14.08 | 39.40 | 13.48 | 39.99 | 13.42 | 40.06 |
| 14600.00 | 14.19 | 39.31 | 13.56 | 39.94 | 13.51 | 40.00 |
| 14650.00 | 14.29 | 39.25 | 13.63 | 39.90 | 13.57 | 39.97 |
| 14700.00 | 14.42 | 39.14 | 13.75 | 39.81 | 13.64 | 39.92 |
| 14750.00 | 14.53 | 39.07 | 13.86 | 39.74 | 13.76 | 39.84 |
| 14800.00 | 14.67 | 38.96 | 13.97 | 39.66 | 13.79 | 39.83 |
| 14850.00 | 14.75 | 38.90 | 14.11 | 39.55 | 13.91 | 39.75 |
| 14900.00 | 14.88 | 38.81 | 14.25 | 39.44 | 14.03 | 39.65 |
| 14950.00 | 14.93 | 38.79 | 14.38 | 39.33 | 14.11 | 39.60 |
| 15000.00 | 15.02 | 38.72 | 14.52 | 39.22 | 14.22 | 39.52 |
| 15050.00 | 15.04 | 38.73 | 14.60 | 39.17 | 14.28 | 39.49 |
| 15100.00 | 15.11 | 38.69 | 14.71 | 39.09 | 14.37 | 39.43 |
| 15150.00 | 15.12 | 38.71 | 14.82 | 39.01 | 14.50 | 39.33 |
| 15200.00 | 15.17 | 38.69 | 14.90 | 38.95 | 14.60 | 39.26 |
| 15250.00 | 15.20 | 38.69 | 14.98 | 38.91 | 14.66 | 39.23 |
| 15300.00 | 15.25 | 38.66 | 15.08 | 38.83 | 14.77 | 39.15 |
| 15350.00 | 15.29 | 38.65 | 15.16 | 38.79 | 14.86 | 39.08 |
| 15400.00 | 15.34 | 38.63 | 15.26 | 38.71 | 15.01 | 38.96 |
| 15450.00 | 15.39 | 38.61 | 15.35 | 38.65 | 15.12 | 38.88 |
| 15500.00 | 15.42 | 38.61 | 15.44 | 38.58 | 15.22 | 38.80 |
| 15550.00 | 15.47 | 38.59 | 15.54 | 38.51 | 15.34 | 38.72 |
| 15600.00 | 15.45 | 38.63 | 15.64 | 38.44 | 15.47 | 38.61 |
| 15650.00 | 15.50 | 38.61 | 15.73 | 38.38 | 15.61 | 38.50 |
| 15700.00 | 15.47 | 38.67 | 15.81 | 38.32 | 15.73 | 38.41 |
| 15750.00 | 15.52 | 38.64 | 15.91 | 38.26 | 15.85 | 38.32 |
| 15800.00 | 15.50 | 38.69 | 15.99 | 38.20 | 15.99 | 38.20 |
| 15850.00 | 15.57 | 38.65 | 16.09 | 38.13 | 16.12 | 38.10 |
| 15900.00 | 15.58 | 38.67 | 16.21 | 38.04 | 16.25 | 37.99 |
| 15950.00 | 15.66 | 38.62 | 16.32 | 37.95 | 16.40 | 37.88 |
| 16000.00 | 15.68 | 38.62 | 16.44 | 37.86 | 16.50 | 37.80 |
| 16050.00 | 15.75 | 38.58 | 16.55 | 37.78 | 16.62 | 37.71 |
| 16100.00 | 15.78 | 38.58 | 16.65 | 37.70 | 16.73 | 37.62 |
| 16150.00 | 15.81 | 38.57 | 16.74 | 37.65 | 16.81 | 37.58 |
| 16200.00 | 15.82 | 38.59 | 16.79 | 37.62 | 16.88 | 37.53 |
| 16250.00 | 15.81 | 38.63 | 16.83 | 37.61 | 16.94 | 37.50 |
| 16300.00 | 15.81 | 38.66 | 16.85 | 37.62 | 16.96 | 37.50 |
| 16350.00 | 15.76 | 38.73 | 16.84 | 37.65 | 16.99 | 37.50 |
| 16400.00 | 15.74 | 38.78 | 16.79 | 37.72 | 16.97 | 37.55 |
| 16450.00 | 15.63 | 38.91 | 16.73 | 37.81 | 16.91 | 37.63 |
| 16500.00 | 15.60 | 38.97 | 16.65 | 37.92 | 16.87 | 37.69 |
| 16550.00 | 15.50 | 39.09 | 16.59 | 38.01 | 16.82 | 37.78 |
| 16600.00 | 15.48 | 39.15 | 16.49 | 38.13 | 16.74 | 37.88 |
| 16650.00 | 15.37 | 39.28 | 16.43 | 38.22 | 16.71 | 37.94 |
| 16700.00 | 15.36 | 39.31 | 16.38 | 38.30 | 16.65 | 38.02 |
| 16750.00 | 15.27 | 39.43 | 16.35 | 38.36 | 16.58 | 38.12 |
| 16800.00 | 15.30 | 39.43 | 16.33 | 38.39 | 16.57 | 38.16 |
| 16850.00 | 15.24 | 39.52 | 16.33 | 38.42 | 16.57 | 38.18 |
| 16900.00 | 15.24 | 39.54 | 16.34 | 38.44 | 16.53 | 38.25 |

| Frequency | Gain(Isotr.) 1 m Ap. | Ant.-Factor 1 m Ap. | Gain(Isotr.) 3 m Ap. | Ant.-Factor 3 m Ap. | Gain(Isotr.) farfield | Ant.-Factor farfield |
|-----------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 16950.00 | 15.17 | 39.63 | 16.34 | 38.47 | 16.56 | 38.25 |
| 17000.00 | 15.17 | 39.66 | 16.33 | 38.50 | 16.53 | 38.30 |
| 17050.00 | 15.11 | 39.74 | 16.33 | 38.53 | 16.53 | 38.33 |
| 17100.00 | 15.09 | 39.79 | 16.33 | 38.55 | 16.57 | 38.31 |
| 17150.00 | 15.02 | 39.88 | 16.32 | 38.58 | 16.57 | 38.33 |
| 17200.00 | 14.97 | 39.96 | 16.32 | 38.61 | 16.55 | 38.38 |
| 17250.00 | 14.89 | 40.07 | 16.29 | 38.67 | 16.57 | 38.38 |
| 17300.00 | 14.79 | 40.19 | 16.26 | 38.72 | 16.54 | 38.44 |
| 17350.00 | 14.67 | 40.33 | 16.23 | 38.77 | 16.52 | 38.49 |
| 17400.00 | 14.51 | 40.53 | 16.17 | 38.86 | 16.47 | 38.56 |
| 17450.00 | 14.33 | 40.73 | 16.07 | 38.98 | 16.42 | 38.64 |
| 17500.00 | 14.11 | 40.97 | 15.96 | 39.12 | 16.32 | 38.76 |
| 17550.00 | 13.88 | 41.23 | 15.79 | 39.31 | 16.21 | 38.90 |
| 17600.00 | 13.59 | 41.54 | 15.60 | 39.53 | 16.02 | 39.11 |
| 17650.00 | 13.33 | 41.83 | 15.36 | 39.80 | 15.81 | 39.34 |
| 17700.00 | 13.01 | 42.16 | 15.08 | 40.10 | 15.57 | 39.61 |
| 17750.00 | 12.73 | 42.47 | 14.74 | 40.47 | 15.28 | 39.93 |
| 17800.00 | 12.40 | 42.83 | 14.41 | 40.82 | 14.96 | 40.27 |
| 17850.00 | 12.10 | 43.16 | 14.05 | 41.21 | 14.63 | 40.62 |
| 17900.00 | 11.78 | 43.49 | 13.71 | 41.57 | 14.28 | 41.00 |
| 17950.00 | 11.52 | 43.78 | 13.36 | 41.94 | 13.99 | 41.31 |
| 18000.00 | 11.27 | 44.05 | 13.08 | 42.25 | 13.75 | 41.57 |

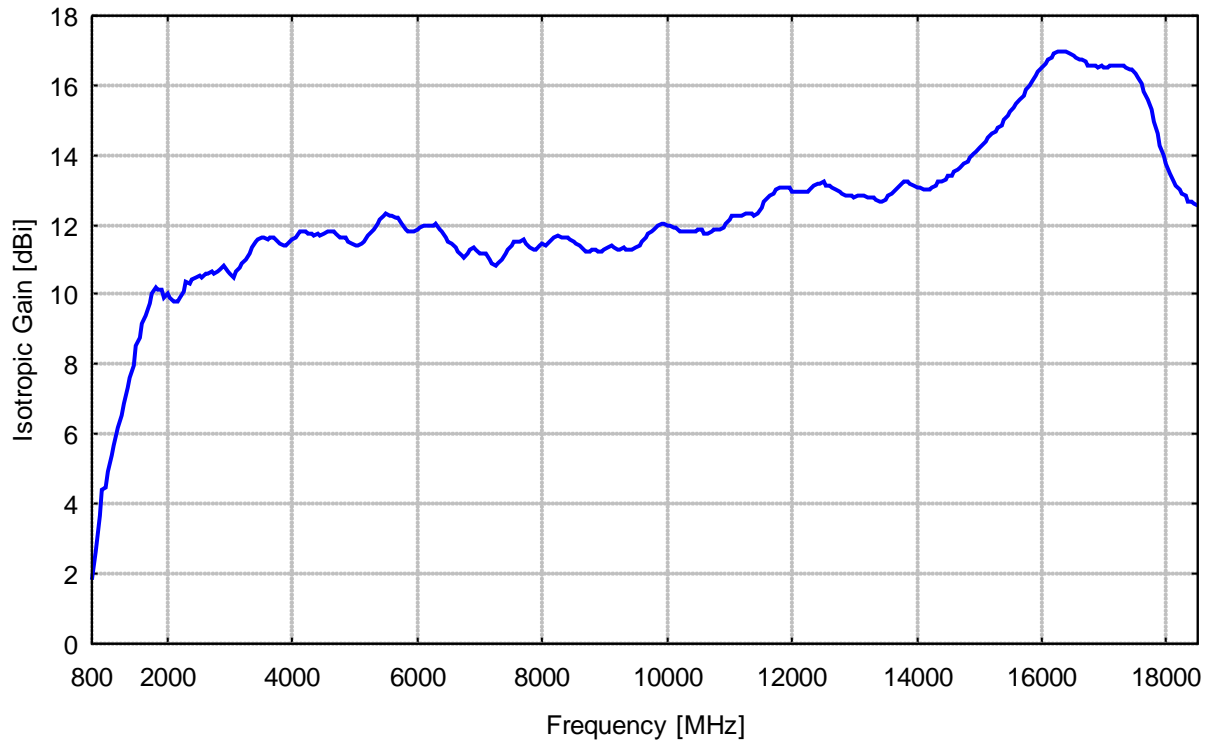
Kalibrierbezugspunkt:
Apertur

Calibration Reference Point:
Aperture

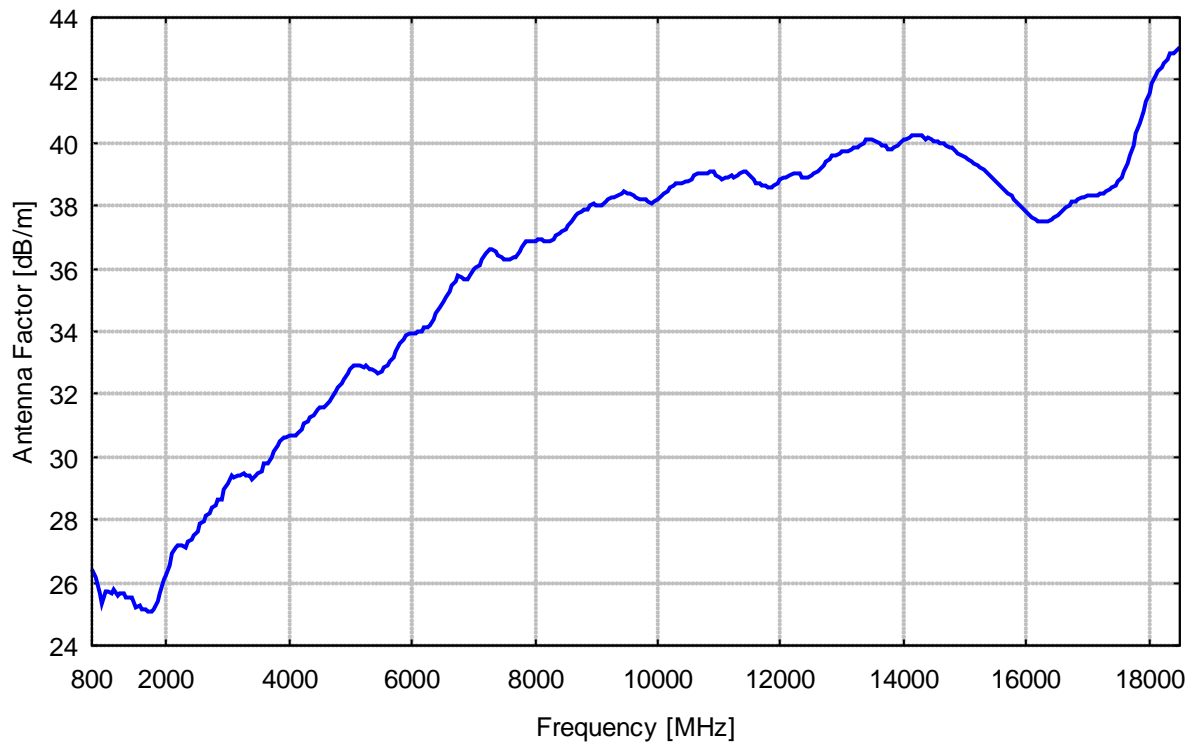




Isotropgewinn

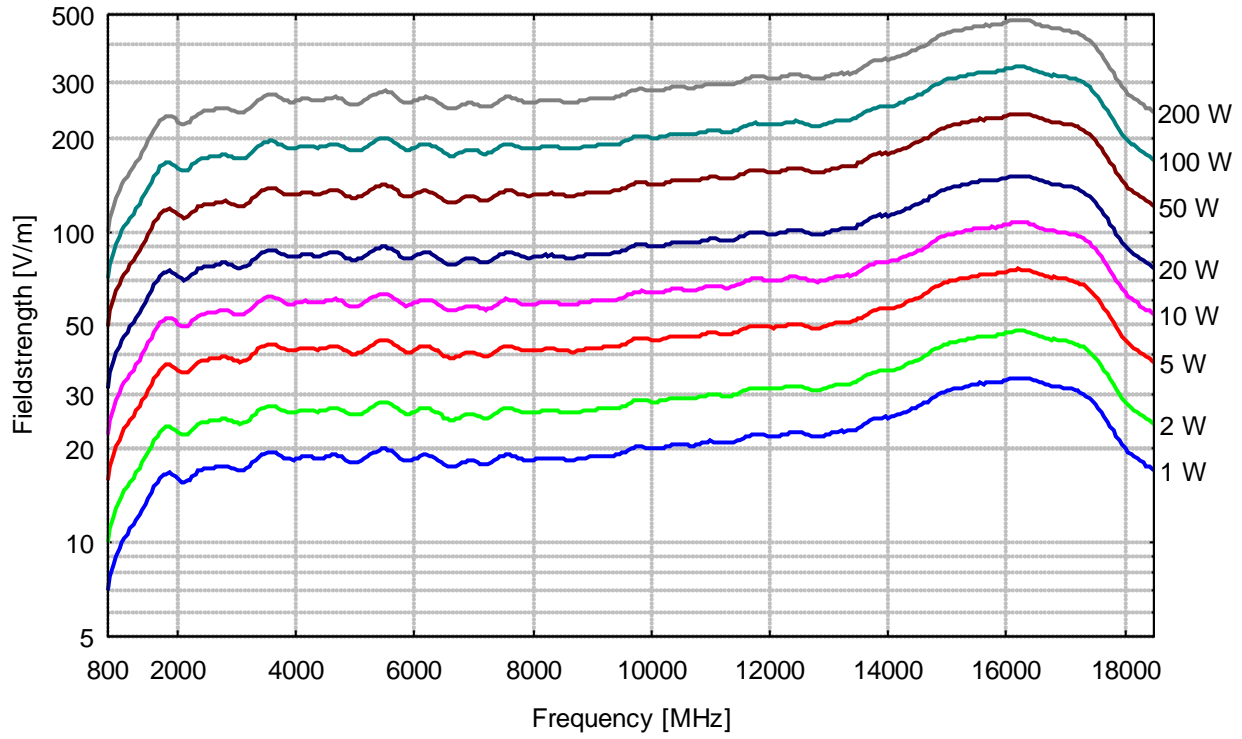


Antennen-Wandlungsmaß

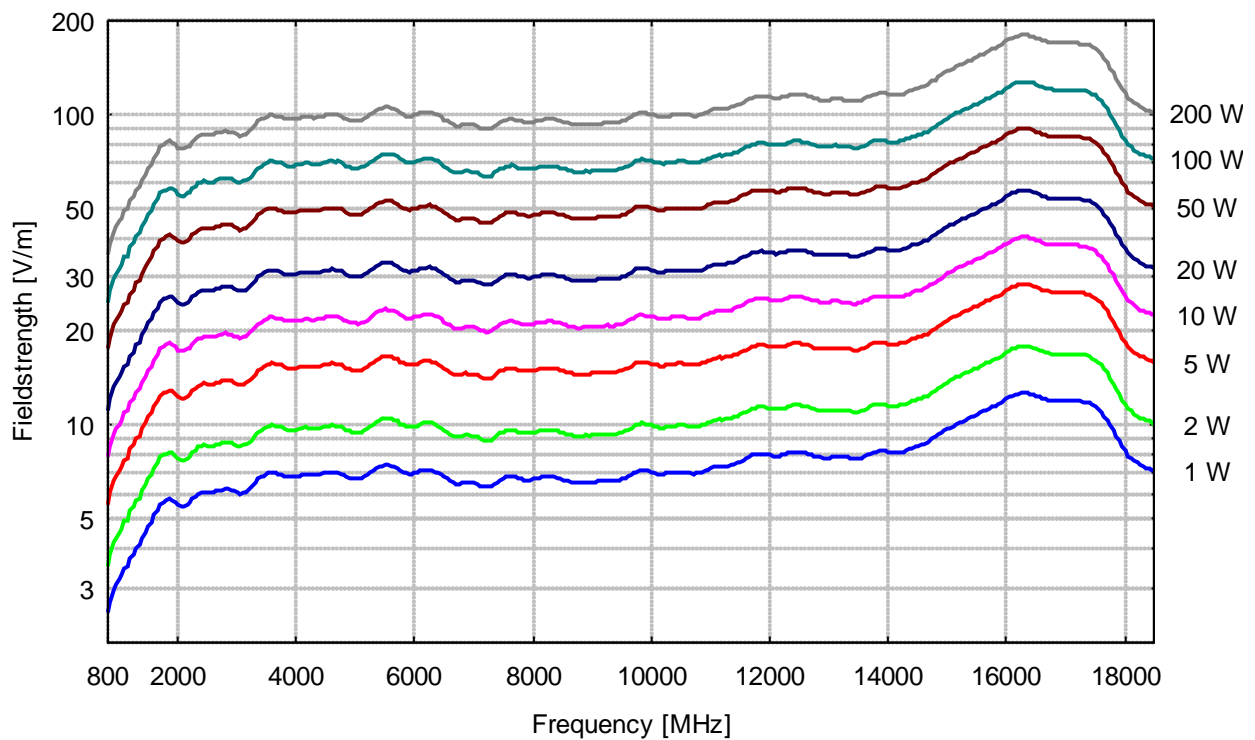




BBHA 9120 D Input Power, Dist. Aperture-EuT: 1 m

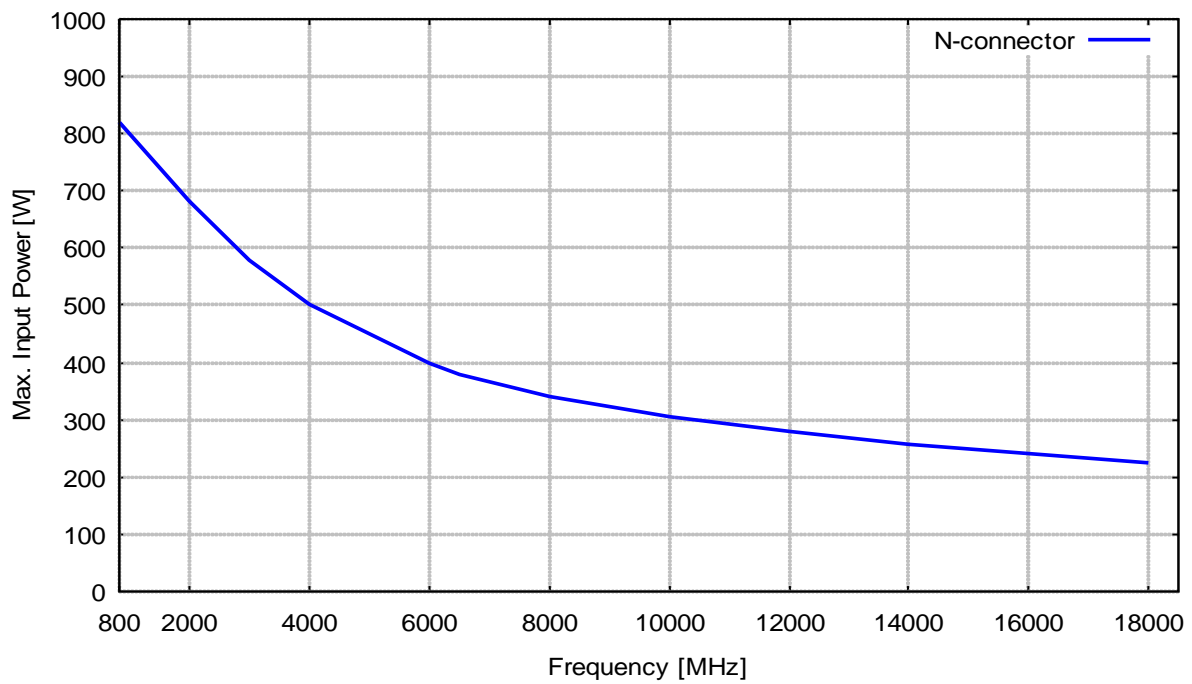


BBHA 9120 D Input Power, Dist. Aperture-EuT: 3 m





Maximale Eingangsleistung



VSWR

