

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Logarithmisch Periodische Breitbandantenne VULP 9118 F *Logarithmic Periodic Broadband Antenna VULP 9118 F* 55...1800 MHz, 1 kW

Calibrated Test Antenna, free-space calibration, far field, D < ± 0,7 dB

| Frequency | Distance | lambda | Atten. dB | Gain (Isotr) | Gain, dipole | Ant.-Fctr. |
|-----------|----------|--------|-----------|--------------|--------------|------------|
| MHz | m | m | dB | dBi | dBd | dB/m |
| 55.00 | 6.00 | 5.45 | 23.00 | -0.09 | -2.24 | 5.12 |
| 60.00 | 6.00 | 5.00 | 17.20 | 3.18 | 1.03 | 2.60 |
| 65.00 | 6.00 | 4.62 | 14.85 | 4.71 | 2.56 | 1.77 |
| 70.00 | 5.76 | 4.29 | 13.52 | 5.51 | 3.36 | 1.61 |
| 75.00 | 5.49 | 4.00 | 11.90 | 6.42 | 4.27 | 1.30 |
| 78.00 | 5.35 | 3.85 | 11.68 | 6.58 | 4.43 | 1.48 |
| 80.00 | 5.26 | 3.75 | 11.70 | 6.61 | 4.46 | 1.67 |
| 85.00 | 5.05 | 3.53 | 12.15 | 6.47 | 4.32 | 2.34 |
| 90.00 | 4.87 | 3.33 | 12.50 | 6.39 | 4.23 | 2.92 |
| 95.00 | 4.70 | 3.16 | 12.43 | 6.51 | 4.36 | 3.27 |
| 100.00 | 4.55 | 3.00 | 12.20 | 6.71 | 4.55 | 3.51 |
| 110.00 | 4.30 | 2.73 | 12.65 | 6.64 | 4.49 | 4.40 |
| 120.00 | 4.09 | 2.50 | 12.88 | 6.69 | 4.54 | 5.12 |
| 125.00 | 3.99 | 2.40 | 12.60 | 6.90 | 4.75 | 5.25 |
| 130.00 | 3.91 | 2.31 | 12.90 | 6.83 | 4.68 | 5.67 |
| 140.00 | 3.75 | 2.14 | 13.02 | 6.92 | 4.77 | 6.23 |
| 150.00 | 3.62 | 2.00 | 13.42 | 6.86 | 4.71 | 6.88 |
| 160.00 | 3.50 | 1.88 | 13.97 | 6.72 | 4.57 | 7.58 |
| 170.00 | 3.40 | 1.76 | 14.52 | 6.58 | 4.43 | 8.25 |
| 175.00 | 3.35 | 1.71 | 13.76 | 7.02 | 4.87 | 8.06 |
| 180.00 | 3.31 | 1.67 | 13.95 | 6.99 | 4.84 | 8.33 |
| 190.00 | 3.23 | 1.58 | 14.33 | 6.93 | 4.78 | 8.87 |
| 200.00 | 3.15 | 1.50 | 14.71 | 6.86 | 4.71 | 9.38 |
| 225.00 | 3.00 | 1.33 | 15.47 | 6.77 | 4.62 | 10.49 |
| 250.00 | 2.87 | 1.20 | 15.85 | 6.86 | 4.71 | 11.32 |
| 275.00 | 2.77 | 1.09 | 16.55 | 6.76 | 4.61 | 12.24 |
| 300.00 | 2.68 | 1.00 | 17.28 | 6.64 | 4.49 | 13.12 |
| 325.00 | 2.61 | 0.92 | 17.64 | 6.69 | 4.54 | 13.77 |
| 350.00 | 2.55 | 0.86 | 17.66 | 6.90 | 4.75 | 14.20 |
| 375.00 | 2.50 | 0.80 | 18.53 | 6.67 | 4.52 | 15.03 |
| 400.00 | 2.45 | 0.75 | 18.97 | 6.65 | 4.50 | 15.61 |
| 425.00 | 2.41 | 0.71 | 19.53 | 6.56 | 4.41 | 16.23 |
| 450.00 | 2.37 | 0.67 | 19.96 | 6.53 | 4.37 | 16.76 |
| 475.00 | 2.34 | 0.63 | 19.57 | 6.90 | 4.74 | 16.86 |
| 500.00 | 2.31 | 0.60 | 20.23 | 6.73 | 4.58 | 17.47 |
| 525.00 | 2.28 | 0.57 | 20.69 | 6.66 | 4.51 | 17.96 |
| 550.00 | 2.26 | 0.55 | 20.71 | 6.81 | 4.66 | 18.22 |
| 575.00 | 2.24 | 0.52 | 21.75 | 6.44 | 4.29 | 18.97 |
| 600.00 | 2.22 | 0.50 | 21.90 | 6.51 | 4.36 | 19.27 |
| Frequency | Distance | lambda | Atten. dB | Gain (Isotr) | Gain, dipole | Ant.-Fctr. |
| MHz | m | m | dB | dBi | dBd | dB/m |

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|-----------|----------|--------|-----------|--------------|--------------|------------|
| MHz | m | m | dB | dBi | dBd | dB/m |
| 600.00 | 2.22 | 0.50 | 21.90 | 6.51 | 4.36 | 19.27 |
| 650.00 | 2.18 | 0.46 | 22.25 | 6.61 | 4.46 | 19.87 |
| 675.00 | 2.17 | 0.44 | 22.89 | 6.42 | 4.27 | 20.38 |
| 700.00 | 2.15 | 0.43 | 23.04 | 6.48 | 4.33 | 20.65 |
| 725.00 | 2.14 | 0.41 | 22.51 | 6.87 | 4.72 | 20.56 |
| 750.00 | 2.12 | 0.40 | 22.70 | 6.89 | 4.74 | 20.83 |
| 775.00 | 2.11 | 0.39 | 23.94 | 6.39 | 4.24 | 21.62 |
| 800.00 | 2.10 | 0.38 | 24.40 | 6.27 | 4.12 | 22.01 |
| 825.00 | 2.09 | 0.36 | 24.49 | 6.34 | 4.19 | 22.21 |
| 850.00 | 2.08 | 0.35 | 24.53 | 6.43 | 4.28 | 22.38 |
| 875.00 | 2.07 | 0.34 | 24.30 | 6.65 | 4.50 | 22.41 |
| 900.00 | 2.06 | 0.33 | 24.57 | 6.62 | 4.47 | 22.69 |
| 925.00 | 2.05 | 0.32 | 25.31 | 6.35 | 4.20 | 23.19 |
| 950.00 | 2.04 | 0.32 | 25.79 | 6.21 | 4.06 | 23.56 |
| 975.00 | 2.04 | 0.31 | 25.39 | 6.51 | 4.36 | 23.49 |
| 1000.00 | 2.03 | 0.30 | 25.65 | 6.47 | 4.32 | 23.75 |
| 1050.00 | 2.02 | 0.29 | 25.75 | 6.60 | 4.45 | 24.04 |
| 1100.00 | 2.00 | 0.27 | 27.44 | 5.93 | 3.78 | 25.11 |
| 1150.00 | 1.99 | 0.26 | 28.50 | 5.57 | 3.42 | 25.86 |
| 1200.00 | 1.98 | 0.25 | 27.91 | 6.03 | 3.88 | 25.77 |
| Frequency | Distance | lambda | Atten. dB | Gain (Isotr) | Gain, dipole | Ant.-Fctr. |
| MHz | m | m | dB | dBi | dBd | dB/m |

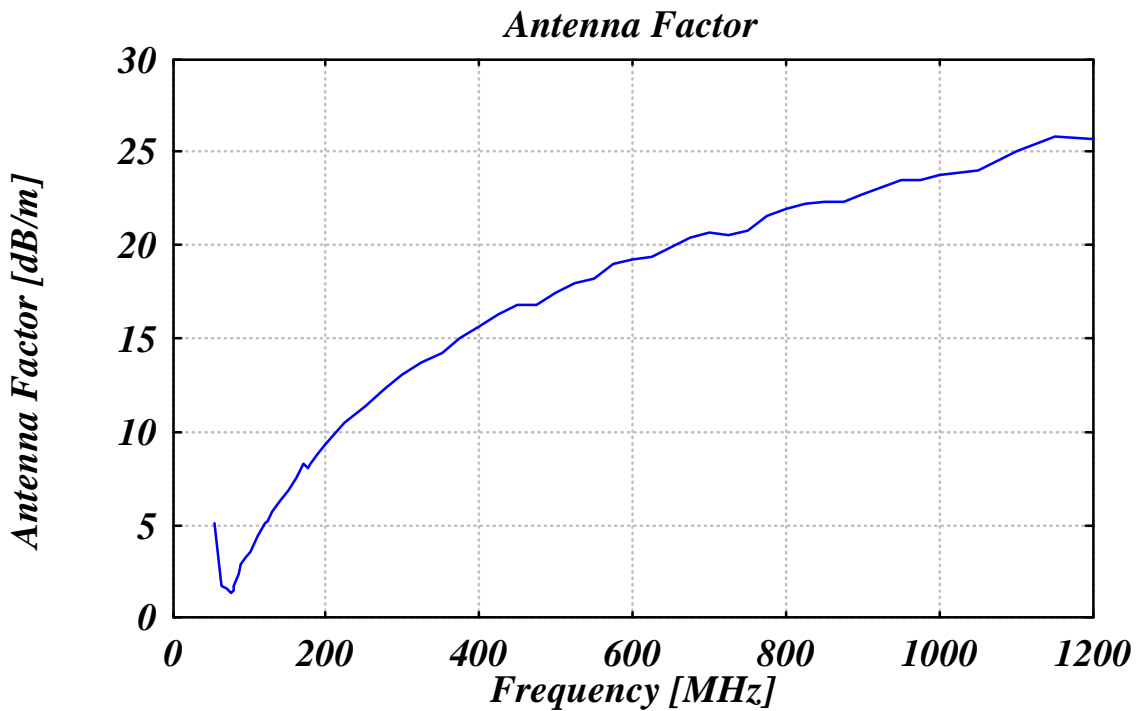
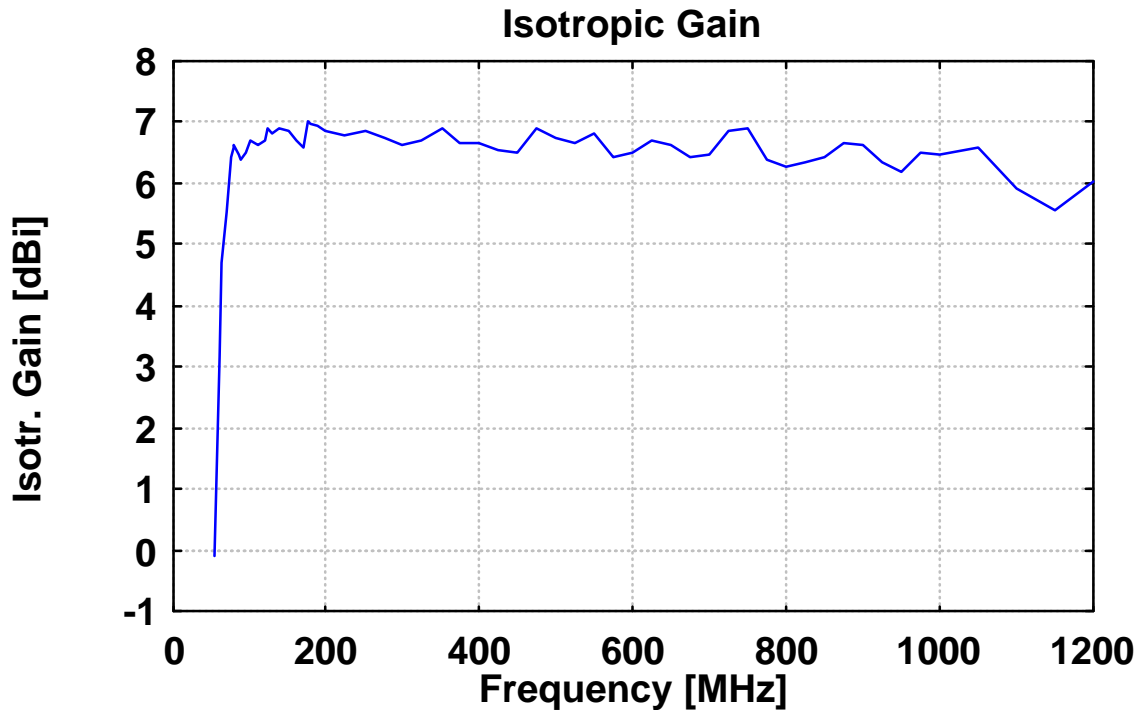
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