

SCHWARZBECK MESS - ELEKTRONIK

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

Log. - Per. Breitband-Antenne USLP 9143B

Log. - Per. Broadband Antenna USLP 9143B

Korrekturdaten für kurze Messentfernung (Antennenspitze-Prüfling) Correction Data for Short Measuring Distances (Antenna Tip-EuT)

| Frequency | Gain (Iso.) | Ant.-Fact k | gi (10 m) | k (10m) | gi (3m) | k (3m) | gi (1m) | k (1m) |
|----------------------------|-----------------------|-------------|---------------|---------|---------|--------|---------|--------|
| Frequenz | Gewinn | Ant.Faktor | gi (10 m) | k (10m) | gi (3m) | k (3m) | gi (1m) | k (1m) |
| MHz | dBi | dB/m | dBi | dB/m | dBi | dB/m | dBi | dB/m |
| 180.0 | 3.27 | 12.06 | 2.74 | 12.58 | 1.63 | 13.70 | -0.95 | 16.27 |
| 200.0 | 4.85 | 11.39 | 4.35 | 11.89 | 3.28 | 12.96 | 0.79 | 15.45 |
| 220.0 | 5.52 | 11.54 | 5.06 | 12.01 | 4.08 | 12.99 | 1.77 | 15.30 |
| 240.0 | 5.93 | 11.89 | 5.51 | 12.31 | 4.60 | 13.22 | 2.44 | 15.39 |
| 260.0 | 6.09 | 12.43 | 5.70 | 12.82 | 4.86 | 13.66 | 2.83 | 15.69 |
| 280.0 | 5.99 | 13.18 | 5.63 | 13.53 | 4.84 | 14.32 | 2.91 | 16.25 |
| 300.0 | 5.81 | 13.96 | 5.47 | 14.29 | 4.74 | 15.03 | 2.92 | 16.84 |
| 320.0 | 5.83 | 14.49 | 5.51 | 14.81 | 4.82 | 15.50 | 3.10 | 17.23 |
| 340.0 | 5.80 | 15.05 | 5.50 | 15.35 | 4.84 | 16.01 | 3.19 | 17.66 |
| 360.0 | 5.89 | 15.46 | 5.61 | 15.74 | 4.98 | 16.36 | 3.41 | 17.93 |
| 380.0 | 6.14 | 15.68 | 5.87 | 15.95 | 5.27 | 16.54 | 3.76 | 18.05 |
| 400.0 | 6.25 | 16.02 | 5.99 | 16.27 | 5.42 | 16.84 | 3.97 | 18.29 |
| 500.0 | 6.61 | 17.59 | 6.40 | 17.80 | 5.94 | 18.26 | 4.74 | 19.46 |
| 600.0 | 6.69 | 19.09 | 6.52 | 19.27 | 6.13 | 19.65 | 5.11 | 20.68 |
| 700.0 | 6.93 | 20.19 | 6.78 | 20.34 | 6.45 | 20.67 | 5.57 | 21.56 |
| 800.0 | 6.45 | 21.83 | 6.32 | 21.96 | 6.03 | 22.26 | 5.24 | 23.05 |
| 900.0 | 6.90 | 22.40 | 6.78 | 22.52 | 6.52 | 22.79 | 5.80 | 23.50 |
| 1000.0 | 6.47 | 23.75 | 6.37 | 23.85 | 6.13 | 24.09 | 5.49 | 24.73 |
| 1200.0 | 6.46 | 25.34 | 6.37 | 25.43 | 6.18 | 25.63 | 5.63 | 26.17 |
| 1400.0 | 6.81 | 26.34 | 6.74 | 26.41 | 6.57 | 26.58 | 6.10 | 27.04 |
| 1600.0 | 6.87 | 27.43 | 6.81 | 27.50 | 6.66 | 27.65 | 6.24 | 28.06 |
| 1800.0 | 6.45 | 28.87 | 6.39 | 28.93 | 6.26 | 29.06 | 5.90 | 29.42 |
| 2000.0 | 6.24 | 30.00 | 6.19 | 30.05 | 6.07 | 30.17 | 5.73 | 30.51 |
| 2500.0 | 5.50 | 32.68 | 5.46 | 32.72 | 5.36 | 32.82 | 5.08 | 33.10 |
| 3000.0 | 5.74 | 34.03 | 5.71 | 34.06 | 5.62 | 34.14 | 5.40 | 34.36 |
| 3500.0 | 5.29 | 35.81 | 5.26 | 35.84 | 5.19 | 35.91 | 4.99 | 36.11 |
| 4000.0 | 5.05 | 37.21 | 5.02 | 37.24 | 4.96 | 37.30 | 4.79 | 37.47 |
| 4500.0 | 5.55 | 37.74 | 5.52 | 37.76 | 5.46 | 37.82 | 5.29 | 37.99 |
| 5000.0 | 4.57 | 39.63 | 4.55 | 39.65 | 4.50 | 39.70 | 4.36 | 39.84 |
| 5500.0 | 5.35 | 39.67 | 5.33 | 39.70 | 5.28 | 39.75 | 5.14 | 39.89 |
| 6000.0 | 4.90 | 40.88 | 4.88 | 40.90 | 4.84 | 40.94 | 4.73 | 41.06 |
| 6500.0 | 5.33 | 41.14 | 5.31 | 41.17 | 5.27 | 41.21 | 5.16 | 41.32 |
| 7000.0 | 5.08 | 42.04 | 5.06 | 42.06 | 5.02 | 42.10 | 4.91 | 42.21 |
| 7500.0 | 4.63 | 43.09 | 4.62 | 43.10 | 4.59 | 43.13 | 4.50 | 43.22 |
| 8000.0 | 5.00 | 43.28 | 4.99 | 43.29 | 4.96 | 43.33 | 4.87 | 43.41 |
| Bezugs- punkt | Strahlungszone | | Spitze | | | | | |
| Reference Point | Radiation Zone | | Tip | | | | | |

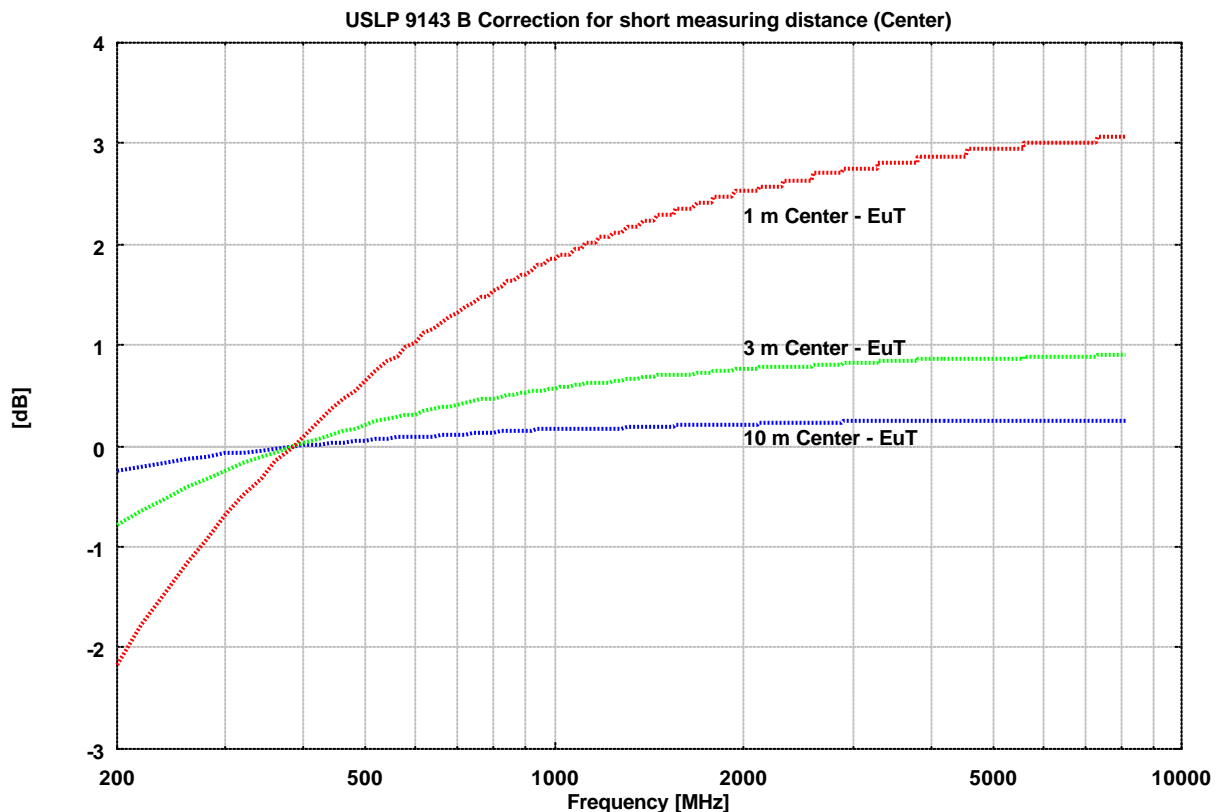
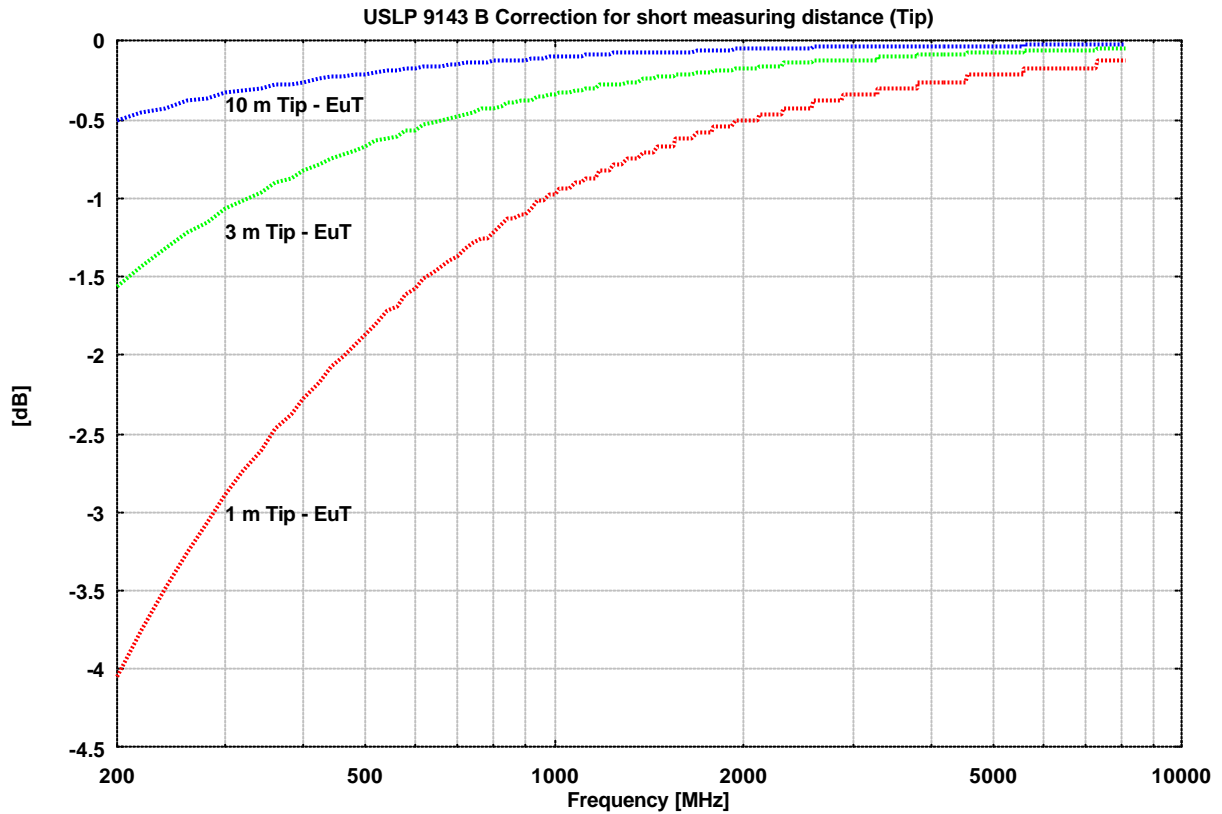
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Korrekturdaten für kurze Messentfernung
Correction Data for Short Measuring Distances



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Korrekturdaten für kurze Messentfernung (Antennenmitte-Prüfling)
Correction Data for Short Measuring Distances (Antenna Center-EuT)

| Frequency | Gain (Iso.) | Ant.-Fact k | gi (10 m) | k (10m) | gi (3m) | k (3m) | gi (1m) | k (1m) |
|----------------------------|-----------------------|-------------|---------------|---------|---------|--------|---------|--------|
| Frequenz | Gewinn | Ant. Faktor | gi (10 m) | k (10m) | gi (3m) | k (3m) | gi (1m) | k (1m) |
| MHz | dB | dB/m | dB | dB/m | dB | dB/m | dB | dB/m |
| 180.0 | 3.27 | 12.06 | 3.00 | 12.32 | 2.41 | 12.92 | 0.91 | 14.42 |
| 200.0 | 4.85 | 11.39 | 4.61 | 11.63 | 4.07 | 12.17 | 2.69 | 13.55 |
| 220.0 | 5.52 | 11.54 | 5.32 | 11.74 | 4.89 | 12.18 | 3.74 | 13.33 |
| 240.0 | 5.93 | 11.89 | 5.77 | 12.05 | 5.42 | 12.41 | 4.47 | 13.35 |
| 260.0 | 6.09 | 12.43 | 5.97 | 12.55 | 5.69 | 12.83 | 4.93 | 13.59 |
| 280.0 | 5.99 | 13.18 | 5.89 | 13.27 | 5.67 | 13.49 | 5.06 | 14.10 |
| 300.0 | 5.81 | 13.96 | 5.74 | 14.02 | 5.57 | 14.19 | 5.12 | 14.64 |
| 320.0 | 5.83 | 14.49 | 5.78 | 14.54 | 5.67 | 14.66 | 5.34 | 14.98 |
| 340.0 | 5.80 | 15.05 | 5.77 | 15.08 | 5.69 | 15.16 | 5.48 | 15.37 |
| 360.0 | 5.89 | 15.46 | 5.87 | 15.47 | 5.84 | 15.51 | 5.74 | 15.61 |
| 380.0 | 6.14 | 15.68 | 6.14 | 15.68 | 6.13 | 15.68 | 6.12 | 15.70 |
| 400.0 | 6.25 | 16.02 | 6.26 | 16.00 | 6.29 | 15.97 | 6.36 | 15.90 |
| 500.0 | 6.61 | 17.59 | 6.67 | 17.53 | 6.82 | 17.38 | 7.26 | 16.94 |
| 600.0 | 6.69 | 19.09 | 6.79 | 18.99 | 7.02 | 18.76 | 7.73 | 18.06 |
| 700.0 | 6.93 | 20.19 | 7.05 | 20.07 | 7.35 | 19.77 | 8.27 | 18.86 |
| 800.0 | 6.45 | 21.83 | 6.59 | 21.69 | 6.93 | 21.35 | 7.99 | 20.29 |
| 900.0 | 6.90 | 22.40 | 7.06 | 22.25 | 7.43 | 21.88 | 8.60 | 20.71 |
| 1000.0 | 6.47 | 23.75 | 6.64 | 23.58 | 7.05 | 23.17 | 8.33 | 21.89 |
| 1200.0 | 6.46 | 25.34 | 6.65 | 25.16 | 7.10 | 24.71 | 8.53 | 23.27 |
| 1400.0 | 6.81 | 26.34 | 7.01 | 26.13 | 7.49 | 25.65 | 9.05 | 24.09 |
| 1600.0 | 6.87 | 27.43 | 7.08 | 27.22 | 7.59 | 26.72 | 9.23 | 25.08 |
| 1800.0 | 6.45 | 28.87 | 6.67 | 28.66 | 7.20 | 28.13 | 8.92 | 26.41 |
| 2000.0 | 6.24 | 30.00 | 6.46 | 29.78 | 7.00 | 29.24 | 8.77 | 27.47 |
| 2500.0 | 5.50 | 32.68 | 5.73 | 32.45 | 6.30 | 31.88 | 8.14 | 30.03 |
| 3000.0 | 5.74 | 34.03 | 5.98 | 33.78 | 6.57 | 33.20 | 8.50 | 31.26 |
| 3500.0 | 5.29 | 35.81 | 5.53 | 35.57 | 6.13 | 34.97 | 8.11 | 32.99 |
| 4000.0 | 5.05 | 37.21 | 5.30 | 36.96 | 5.91 | 36.35 | 7.93 | 34.33 |
| 4500.0 | 5.55 | 37.74 | 5.80 | 37.49 | 6.41 | 36.88 | 8.43 | 34.85 |
| 5000.0 | 4.57 | 39.63 | 4.82 | 39.38 | 5.45 | 38.75 | 7.51 | 36.69 |
| 5500.0 | 5.35 | 39.67 | 5.60 | 39.42 | 6.23 | 38.80 | 8.29 | 36.73 |
| 6000.0 | 4.90 | 40.88 | 5.16 | 40.63 | 5.79 | 39.99 | 7.91 | 37.88 |
| 6500.0 | 5.33 | 41.14 | 5.59 | 40.89 | 6.22 | 40.26 | 8.34 | 38.14 |
| 7000.0 | 5.08 | 42.04 | 5.34 | 41.78 | 5.97 | 41.15 | 8.09 | 39.04 |
| 7500.0 | 4.63 | 43.09 | 4.89 | 42.83 | 5.54 | 42.18 | 7.70 | 40.02 |
| 8000.0 | 5.00 | 43.28 | 5.26 | 43.02 | 5.91 | 42.37 | 8.07 | 40.21 |
| Bezugs- punkt | Strahlungszone | | Mitte | | | | | |
| Reference Point | Radiation Zone | | Center | | | | | |