

# SCHWARZBECK MESS - ELEKTRONIK

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

## STLP 9128 C Daten für kurze Messentfernung (Spitze-Prüfling)

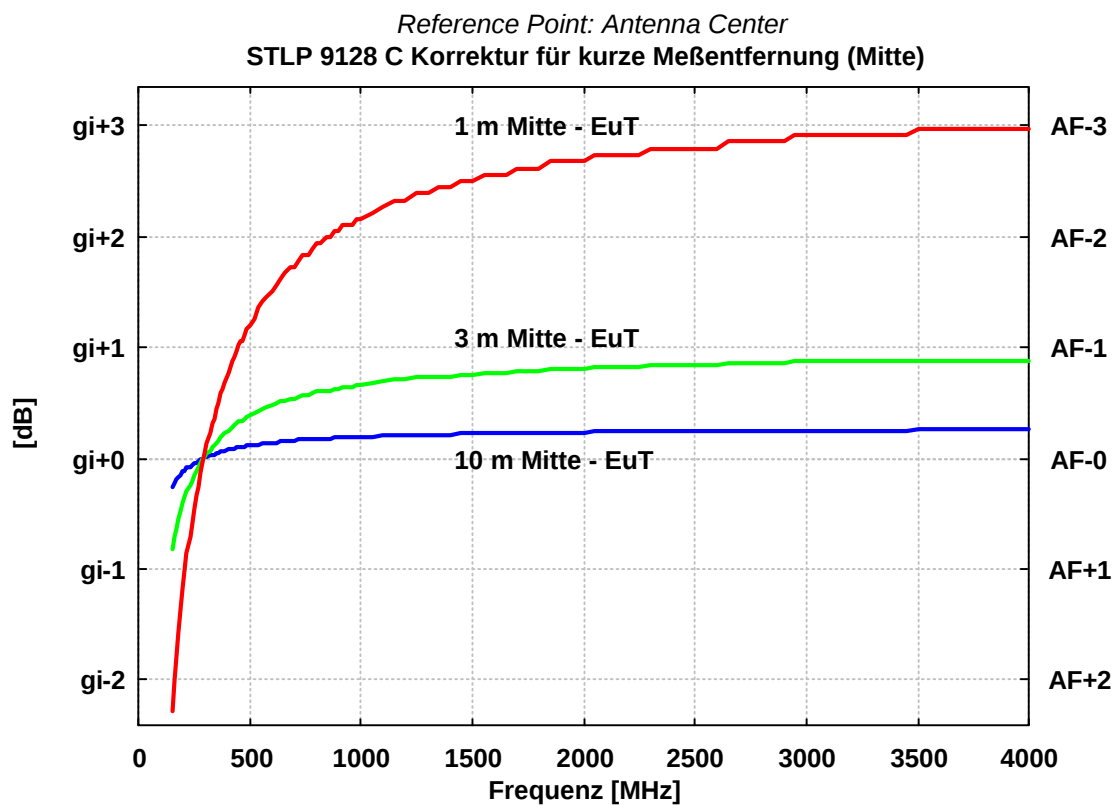
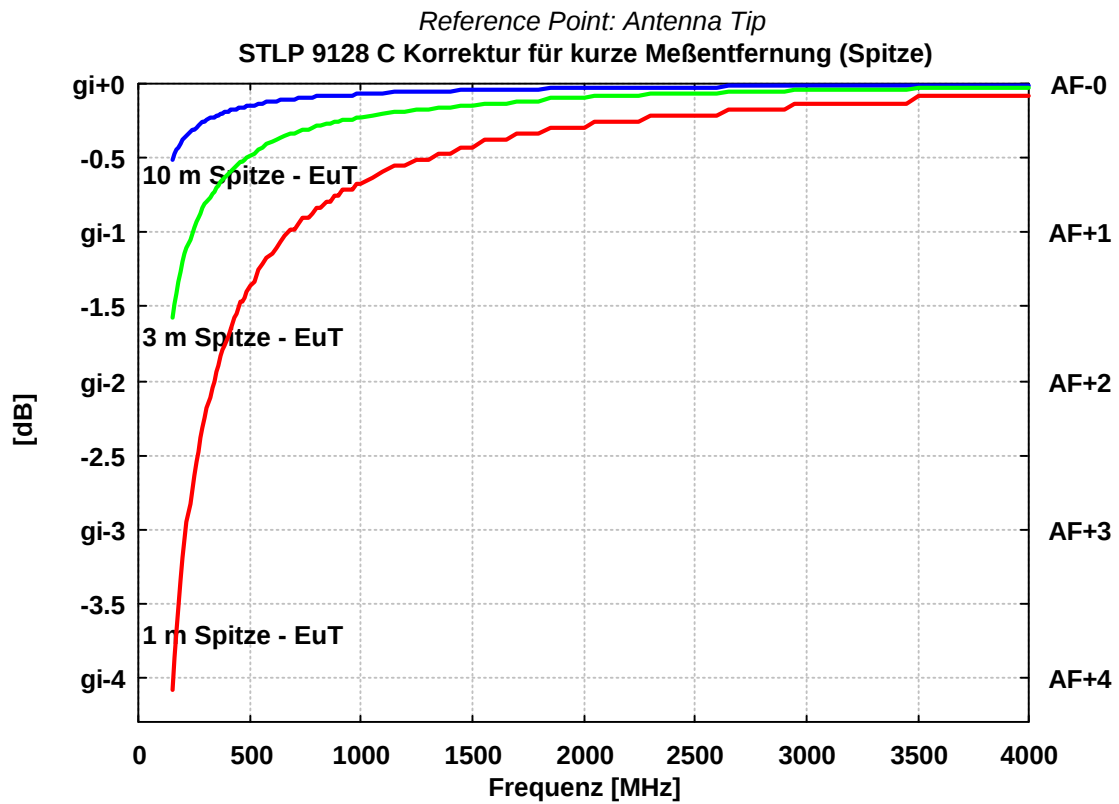
### STLP 9128 C Data for short measuring distance (Tip-EuT)

| Frequency<br>Spitze | Gain<br>(Iso.)     | Ant.-Fact<br>k     | gi (10 m)          | k (10m) | gi (3m)     | k (3m) | gi (1m)     | k (1m) |
|---------------------|--------------------|--------------------|--------------------|---------|-------------|--------|-------------|--------|
| Frequenz            | Gewinn             | Ant.<br>Faktor     | gi (10 m)          | k (10m) | gi (3m)     | k (3m) | gi (1m)     | k (1m) |
| MHz                 | dB <i>i</i>        | dB/m               | dB <i>i</i>        | dB/m    | dB <i>i</i> | dB/m   | dB <i>i</i> | dB/m   |
| 150.0               | 5.48               | 8.26               | 4.97               | 8.77    | 3.90        | 9.85   | 1.40        | 12.34  |
| 160.0               | 7.47               | 6.83               | 7.00               | 7.31    | 5.98        | 8.32   | 3.61        | 10.69  |
| 170.0               | 7.71               | 7.12               | 7.26               | 7.57    | 6.30        | 8.53   | 4.02        | 10.81  |
| 180.0               | 8.61               | 6.72               | 8.19               | 7.14    | 7.27        | 8.05   | 5.09        | 10.24  |
| 190.0               | 8.70               | 7.10               | 8.30               | 7.49    | 7.44        | 8.36   | 5.35        | 10.44  |
| 200.0               | 8.43               | 7.81               | 8.05               | 8.19    | 7.23        | 9.01   | 5.23        | 11.01  |
| 210.0               | 7.75               | 8.91               | 7.39               | 9.28    | 6.60        | 10.07  | 4.67        | 11.99  |
| 220.0               | 7.64               | 9.43               | 7.30               | 9.77    | 6.54        | 10.53  | 4.69        | 12.38  |
| 230.0               | 8.90               | 8.55               | 8.57               | 8.88    | 7.85        | 9.60   | 6.07        | 11.38  |
| 240.0               | 8.82               | 9.01               | 8.50               | 9.32    | 7.81        | 10.01  | 6.09        | 11.74  |
| 250.0               | 8.10               | 10.08              | 7.80               | 10.38   | 7.13        | 11.05  | 5.46        | 12.72  |
| 260.0               | 8.65               | 9.87               | 8.36               | 10.16   | 7.72        | 10.80  | 6.11        | 12.41  |
| 270.0               | 9.06               | 9.79               | 8.78               | 10.07   | 8.15        | 10.69  | 6.58        | 12.26  |
| 280.0               | 9.05               | 10.11              | 8.78               | 10.38   | 8.18        | 10.98  | 6.67        | 12.49  |
| 290.0               | 8.84               | 10.62              | 8.58               | 10.89   | 8.00        | 11.47  | 6.53        | 12.94  |
| 300.0               | 8.92               | 10.84              | 8.67               | 11.09   | 8.11        | 11.66  | 6.67        | 13.09  |
| 350.0               | 9.31               | 11.79              | 9.10               | 12.01   | 8.61        | 12.49  | 7.37        | 13.73  |
| 400.0               | 9.29               | 12.97              | 9.11               | 13.16   | 8.69        | 13.57  | 7.60        | 14.66  |
| 450.0               | 9.19               | 14.10              | 9.03               | 14.26   | 8.66        | 14.63  | 7.68        | 15.61  |
| 500.0               | 9.52               | 14.68              | 9.37               | 14.83   | 9.04        | 15.16  | 8.16        | 16.04  |
| 600.0               | 9.70               | 16.08              | 9.58               | 16.20   | 9.30        | 16.48  | 8.56        | 17.22  |
| 700.0               | 9.46               | 17.66              | 9.36               | 17.77   | 9.12        | 18.00  | 8.48        | 18.65  |
| 800.0               | 9.37               | 18.91              | 9.28               | 19.00   | 9.09        | 19.20  | 8.54        | 19.74  |
| 900.0               | 9.80               | 19.50              | 9.72               | 19.58   | 9.54        | 19.76  | 9.05        | 20.25  |
| 1000.0              | 9.20               | 21.02              | 9.13               | 21.09   | 8.97        | 21.25  | 8.53        | 21.69  |
| 1100.0              | 9.78               | 21.27              | 9.72               | 21.33   | 9.58        | 21.47  | 9.19        | 21.86  |
| 1200.0              | 10.05              | 21.75              | 9.99               | 21.81   | 9.86        | 21.94  | 9.50        | 22.30  |
| 1300.0              | 10.34              | 22.16              | 10.29              | 22.21   | 10.17       | 22.33  | 9.83        | 22.66  |
| 1400.0              | 10.10              | 23.05              | 10.05              | 23.09   | 9.94        | 23.20  | 9.63        | 23.51  |
| 1500.0              | 10.48              | 23.26              | 10.44              | 23.31   | 10.34       | 23.41  | 10.06       | 23.69  |
| 1600.0              | 10.41              | 23.89              | 10.37              | 23.93   | 10.28       | 24.02  | 10.03       | 24.27  |
| 1700.0              | 10.01              | 24.81              | 9.98               | 24.85   | 9.89        | 24.93  | 9.67        | 25.16  |
| 1800.0              | 11.15              | 24.17              | 11.12              | 24.21   | 11.03       | 24.29  | 10.81       | 24.52  |
| 1900.0              | 10.09              | 25.71              | 10.06              | 25.74   | 9.99        | 25.81  | 9.79        | 26.00  |
| 2000.0              | 9.92               | 26.32              | 9.89               | 26.35   | 9.82        | 26.42  | 9.62        | 26.62  |
| 2200.0              | 10.82              | 26.25              | 10.79              | 26.27   | 10.73       | 26.33  | 10.56       | 26.51  |
| 2400.0              | 10.32              | 27.51              | 10.30              | 27.53   | 10.25       | 27.58  | 10.11       | 27.72  |
| 2600.0              | 11.20              | 27.32              | 11.18              | 27.34   | 11.13       | 27.39  | 10.99       | 27.53  |
| 2800.0              | 9.66               | 29.50              | 9.64               | 29.52   | 9.60        | 29.56  | 9.49        | 29.68  |
| 3000.0              | 10.80              | 28.96              | 10.79              | 28.98   | 10.76       | 29.01  | 10.67       | 29.09  |
| 3200.0              | 10.02              | 30.30              | 10.01              | 30.32   | 9.98        | 30.35  | 9.89        | 30.43  |
| 3400.0              | 9.73               | 31.12              | 9.72               | 31.13   | 9.69        | 31.16  | 9.60        | 31.25  |
| 3600.0              | 10.02              | 31.33              | 10.01              | 31.33   | 9.99        | 31.35  | 9.93        | 31.41  |
| 3800.0              | 9.55               | 32.27              | 9.54               | 32.27   | 9.52        | 32.29  | 9.46        | 32.35  |
| 4000.0              | 9.14               | 33.12              | 9.13               | 33.13   | 9.11        | 33.15  | 9.05        | 33.21  |
| Bezugs-<br>punkt:   | Strahlung<br>szone | Strahlung<br>szone | Spitze der Antenne |         |             |        |             |        |
| Reference<br>Point: | Radiating<br>Zone  | Radiating<br>Zone  | Antenna Tip        |         |             |        |             |        |

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## STLP 9128 C Daten für kurze Messentfernung STLP 9128 C Data for short measuring distance



0 dB: Fernfeld-Daten

0 dB: Farfield Data

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## STLP 9128 C Daten für kurze Messentfernung (Mitte-Prüfling) STLP 9128 C Data for short measuring distance (Center-EuT)

| Frequency           | Gain<br>(Iso.)     | Ant.-Fact<br>k     | gi (10 m)                     | k (10m) | gi (3m)     | k (3m) | gi (1m)     | k (1m) |
|---------------------|--------------------|--------------------|-------------------------------|---------|-------------|--------|-------------|--------|
| Frequenz            | Gewinn             | Ant.<br>Faktor     | gi (10 m)                     | k (10m) | gi (3m)     | k (3m) | gi (1m)     | k (1m) |
| MHz                 | dB <i>i</i>        | dB/m               | dB <i>i</i>                   | dB/m    | dB <i>i</i> | dB/m   | dB <i>i</i> | dB/m   |
| 150.0               | 5.48               | 8.26               | 5.22                          | 8.52    | 4.65        | 9.09   | 3.20        | 10.54  |
| 160.0               | 7.47               | 6.83               | 7.25                          | 7.06    | 6.75        | 7.55   | 5.46        | 8.84   |
| 170.0               | 7.71               | 7.12               | 7.51                          | 7.32    | 7.07        | 7.76   | 5.91        | 8.92   |
| 180.0               | 8.61               | 6.72               | 8.44                          | 6.89    | 8.05        | 7.28   | 7.03        | 8.30   |
| 190.0               | 8.70               | 7.10               | 8.55                          | 7.24    | 8.22        | 7.57   | 7.34        | 8.46   |
| 200.0               | 8.43               | 7.81               | 8.30                          | 7.94    | 8.02        | 8.22   | 7.25        | 8.99   |
| 210.0               | 7.75               | 8.91               | 7.64                          | 9.02    | 7.40        | 9.27   | 6.73        | 9.94   |
| 220.0               | 7.64               | 9.43               | 7.55                          | 9.52    | 7.34        | 9.73   | 6.77        | 10.30  |
| 230.0               | 8.90               | 8.55               | 8.83                          | 8.63    | 8.66        | 8.80   | 8.19        | 9.26   |
| 240.0               | 8.82               | 9.01               | 8.76                          | 9.06    | 8.62        | 9.20   | 8.23        | 9.59   |
| 250.0               | 8.10               | 10.08              | 8.05                          | 10.13   | 7.94        | 10.24  | 7.63        | 10.54  |
| 260.0               | 8.65               | 9.87               | 8.62                          | 9.90    | 8.53        | 9.98   | 8.31        | 10.21  |
| 270.0               | 9.06               | 9.79               | 9.03                          | 9.81    | 8.97        | 9.87   | 8.80        | 10.04  |
| 280.0               | 9.05               | 10.11              | 9.04                          | 10.13   | 9.01        | 10.16  | 8.92        | 10.24  |
| 290.0               | 8.84               | 10.62              | 8.84                          | 10.63   | 8.83        | 10.64  | 8.80        | 10.67  |
| 300.0               | 8.92               | 10.84              | 8.92                          | 10.84   | 8.93        | 10.83  | 8.96        | 10.80  |
| 350.0               | 9.31               | 11.79              | 9.35                          | 11.75   | 9.46        | 11.65  | 9.76        | 11.35  |
| 400.0               | 9.29               | 12.97              | 9.36                          | 12.90   | 9.54        | 12.72  | 10.06       | 12.20  |
| 450.0               | 9.19               | 14.10              | 9.29                          | 14.00   | 9.51        | 13.77  | 10.20       | 13.08  |
| 500.0               | 9.52               | 14.68              | 9.63                          | 14.57   | 9.90        | 14.29  | 10.73       | 13.47  |
| 600.0               | 9.70               | 16.08              | 9.84                          | 15.94   | 10.18       | 15.61  | 11.21       | 14.57  |
| 700.0               | 9.46               | 17.66              | 9.62                          | 17.50   | 10.00       | 17.12  | 11.18       | 15.94  |
| 800.0               | 9.37               | 18.91              | 9.55                          | 18.74   | 9.97        | 18.31  | 11.31       | 16.97  |
| 900.0               | 9.80               | 19.50              | 9.98                          | 19.32   | 10.43       | 18.87  | 11.85       | 17.46  |
| 1000.0              | 9.20               | 21.02              | 9.39                          | 20.83   | 9.86        | 20.36  | 11.36       | 18.86  |
| 1100.0              | 9.78               | 21.27              | 9.98                          | 21.07   | 10.47       | 20.58  | 12.05       | 19.00  |
| 1200.0              | 10.05              | 21.75              | 10.26                         | 21.55   | 10.76       | 21.05  | 12.38       | 19.43  |
| 1300.0              | 10.34              | 22.16              | 10.55                         | 21.95   | 11.06       | 21.43  | 12.72       | 19.78  |
| 1400.0              | 10.10              | 23.05              | 10.32                         | 22.83   | 10.84       | 22.30  | 12.54       | 20.60  |
| 1500.0              | 10.48              | 23.26              | 10.70                         | 23.04   | 11.24       | 22.51  | 12.98       | 20.76  |
| 1600.0              | 10.41              | 23.89              | 10.63                         | 23.67   | 11.18       | 23.12  | 12.97       | 21.34  |
| 1700.0              | 10.01              | 24.81              | 10.24                         | 24.59   | 10.80       | 24.03  | 12.63       | 22.20  |
| 1800.0              | 11.15              | 24.17              | 11.38                         | 23.95   | 11.94       | 23.39  | 13.77       | 21.56  |
| 1900.0              | 10.09              | 25.71              | 10.32                         | 25.47   | 10.89       | 24.90  | 12.76       | 23.03  |
| 2000.0              | 9.92               | 26.32              | 10.15                         | 26.09   | 10.72       | 25.52  | 12.59       | 23.65  |
| 2200.0              | 10.82              | 26.25              | 11.06                         | 26.01   | 11.64       | 25.43  | 13.55       | 23.51  |
| 2400.0              | 10.32              | 27.51              | 10.56                         | 27.26   | 11.16       | 26.67  | 13.11       | 24.71  |
| 2600.0              | 11.20              | 27.32              | 11.44                         | 27.08   | 12.04       | 26.48  | 13.99       | 24.53  |
| 2800.0              | 9.66               | 29.50              | 9.91                          | 29.26   | 10.51       | 28.65  | 12.51       | 26.65  |
| 3000.0              | 10.80              | 28.96              | 11.05                         | 28.71   | 11.67       | 28.10  | 13.71       | 26.05  |
| 3200.0              | 10.02              | 30.30              | 10.27                         | 30.05   | 10.89       | 29.44  | 12.93       | 27.39  |
| 3400.0              | 9.73               | 31.12              | 9.98                          | 30.87   | 10.60       | 30.25  | 12.64       | 28.21  |
| 3600.0              | 10.02              | 31.33              | 10.28                         | 31.07   | 10.90       | 30.44  | 12.99       | 28.35  |
| 3800.0              | 9.55               | 32.27              | 9.81                          | 32.01   | 10.43       | 31.38  | 12.52       | 29.29  |
| 4000.0              | 9.14               | 33.12              | 9.40                          | 32.87   | 10.02       | 32.24  | 12.11       | 30.15  |
| Bezugs<br>punkt:    | Strahlung<br>szone | Strahlung<br>szone | Mitte der Log.-Per. Struktur  |         |             |        |             |        |
| Reference<br>Point: | Radiating<br>Zone  | Radiating<br>Zone  | Center of Log.-Per. Structure |         |             |        |             |        |