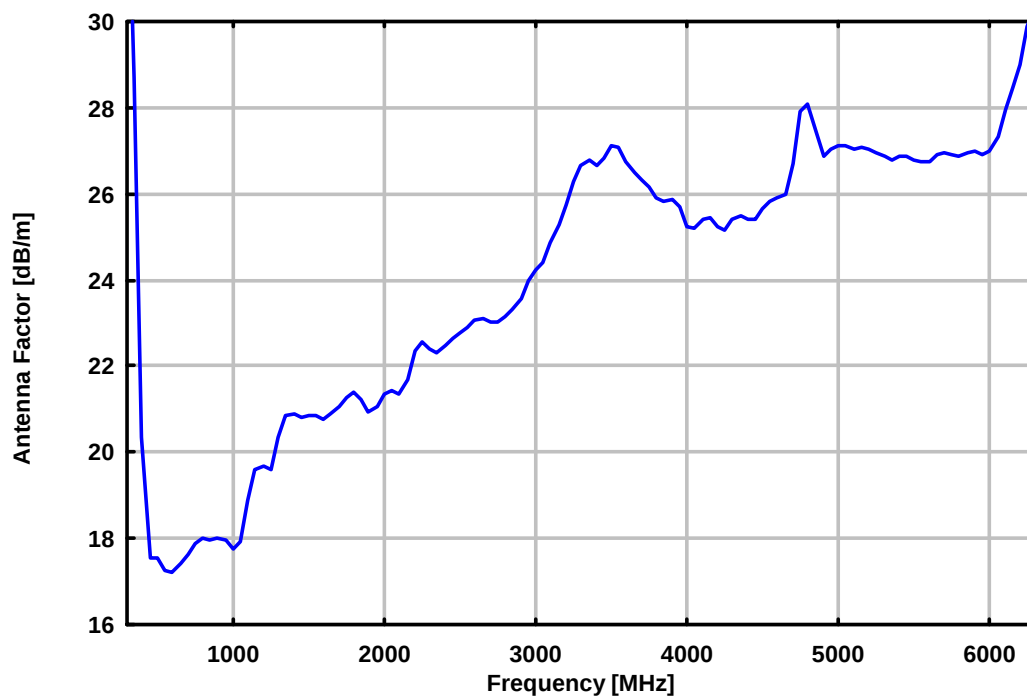
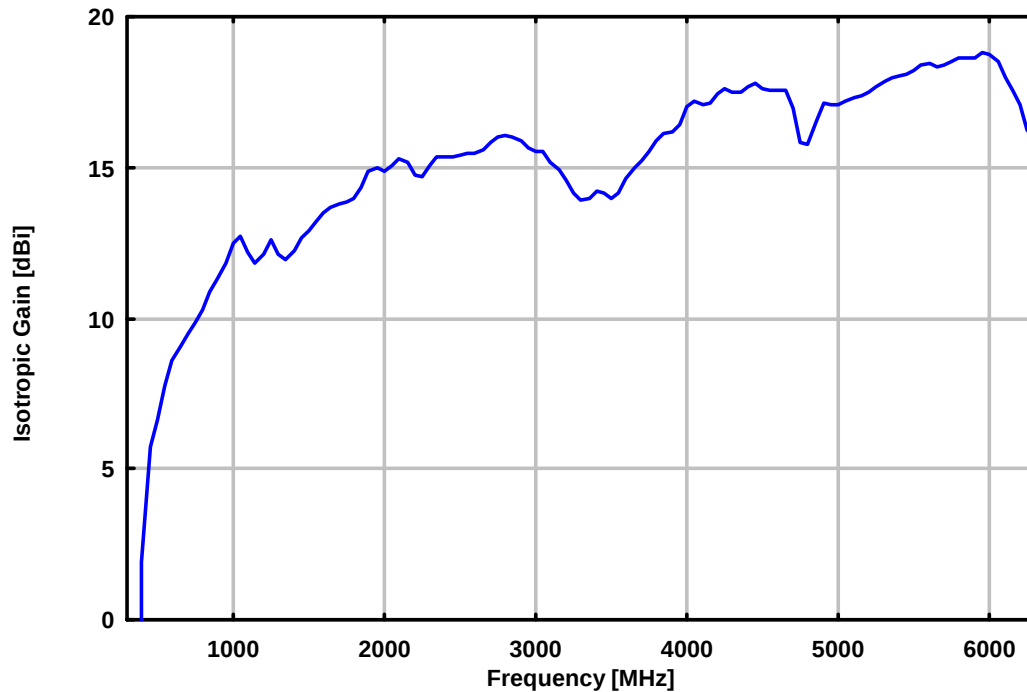


# SCHWARZBECK MESS - ELEKTRONIK

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

## Kalibrierte Doppelsteg Breitband Hornantenne BBHA 9120 E *Calibrated Double Ridged Broadband Horn Antenna BBHA 9120 E*



Bezugspunkt: Antennenmitte (gemessen zwischen Aperturöffnung und N-Buchse)  
*Reference Point: Center of Antenna (middle between Aperture and N-Connector)*

# SCHWARZBECK MESS - ELEKTRONIK

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

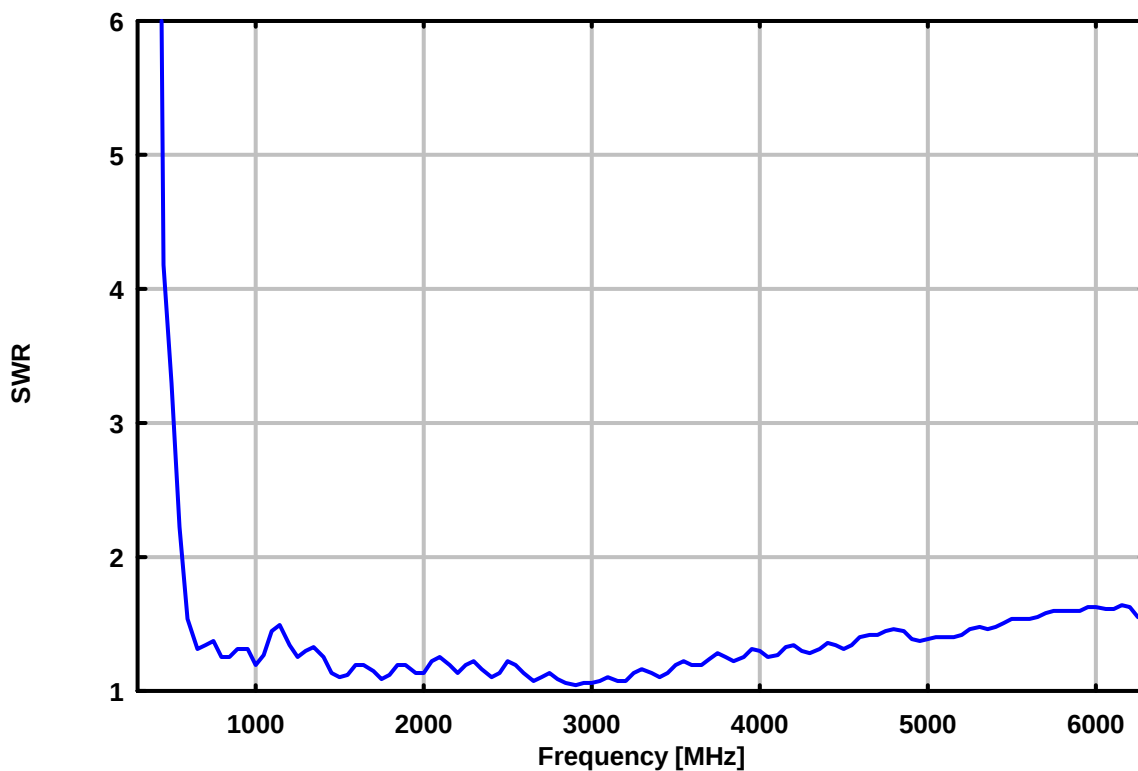
## Kalibrierte Doppelsteg Breitband Hornantenne BBHA 9120 E *Calibrated Double Ridged Broadband Horn Antenna BBHA 9120 E*

| Frequency | Distance | Wavelength  | Attenuation | Gain(Isotr.)   | Gain(Dipole)      | Ant.-Factor        |
|-----------|----------|-------------|-------------|----------------|-------------------|--------------------|
| Frequenz  | Abstand  | Wellenlänge | Dämpfung    | Isotrop-gewinn | Gewinn über Dipol | Ant.-Wand-lungsmaß |
| MHz       | m        | m           | dB          | dBi            | dBd               | dB/m               |
| 450.00    | 3.56     | 0.67        | 25.07       | 5.73           | 3.58              | 17.55              |
| 500.00    | 3.56     | 0.60        | 24.13       | 6.66           | 4.51              | 17.54              |
| 600.00    | 3.56     | 0.50        | 21.86       | 8.59           | 6.44              | 17.19              |
| 700.00    | 3.56     | 0.43        | 21.41       | 9.48           | 7.33              | 17.64              |
| 800.00    | 3.56     | 0.38        | 20.95       | 10.29          | 8.14              | 17.99              |
| 900.00    | 3.56     | 0.33        | 19.96       | 11.30          | 9.15              | 18.01              |
| 1000.00   | 3.56     | 0.30        | 18.52       | 12.48          | 10.33             | 17.74              |
| 1100.00   | 3.56     | 0.27        | 19.93       | 12.19          | 10.03             | 18.86              |
| 1200.00   | 3.56     | 0.25        | 20.79       | 12.13          | 9.98              | 19.67              |
| 1300.00   | 3.56     | 0.23        | 21.49       | 12.13          | 9.98              | 20.37              |
| 1400.00   | 3.56     | 0.21        | 21.91       | 12.24          | 10.09             | 20.90              |
| 1500.00   | 3.56     | 0.20        | 21.17       | 12.91          | 10.76             | 20.83              |
| 1600.00   | 3.56     | 0.19        | 20.52       | 13.52          | 11.37             | 20.78              |
| 1700.00   | 3.56     | 0.18        | 20.52       | 13.78          | 11.63             | 21.05              |
| 1800.00   | 3.56     | 0.17        | 20.67       | 13.95          | 11.80             | 21.37              |
| 1900.00   | 3.56     | 0.16        | 19.29       | 14.88          | 12.73             | 20.92              |
| 2000.00   | 3.56     | 0.15        | 19.72       | 14.88          | 12.73             | 21.36              |
| 2100.00   | 3.56     | 0.14        | 19.31       | 15.30          | 13.15             | 21.36              |
| 2200.00   | 3.56     | 0.14        | 20.86       | 14.73          | 12.58             | 22.34              |
| 2300.00   | 3.56     | 0.13        | 20.60       | 15.05          | 12.90             | 22.40              |
| 2400.00   | 3.56     | 0.13        | 20.37       | 15.35          | 13.20             | 22.47              |
| 2500.00   | 3.56     | 0.12        | 20.60       | 15.42          | 13.27             | 22.76              |
| 2600.00   | 3.56     | 0.12        | 20.88       | 15.44          | 13.29             | 23.08              |
| 2700.00   | 3.56     | 0.11        | 20.44       | 15.83          | 13.68             | 23.02              |
| 2800.00   | 3.56     | 0.11        | 20.36       | 16.03          | 13.88             | 23.14              |
| 2900.00   | 3.56     | 0.10        | 20.91       | 15.90          | 13.75             | 23.56              |
| 3000.00   | 3.56     | 0.10        | 21.94       | 15.54          | 13.38             | 24.23              |
| 3200.00   | 3.56     | 0.09        | 24.37       | 14.60          | 12.45             | 25.72              |
| 3400.00   | 3.56     | 0.09        | 25.72       | 14.19          | 12.04             | 26.66              |
| 3600.00   | 3.56     | 0.08        | 25.37       | 14.61          | 12.46             | 26.73              |
| 3800.00   | 3.56     | 0.08        | 23.25       | 15.91          | 13.76             | 25.90              |
| 4000.00   | 3.56     | 0.08        | 21.47       | 17.02          | 14.87             | 25.24              |
| 4200.00   | 3.56     | 0.07        | 21.04       | 17.45          | 15.30             | 25.24              |
| 4400.00   | 3.56     | 0.07        | 20.96       | 17.69          | 15.54             | 25.40              |
| 4600.00   | 3.56     | 0.07        | 21.56       | 17.58          | 15.43             | 25.89              |
| 4800.00   | 3.56     | 0.06        | 25.53       | 15.78          | 13.63             | 28.06              |
| 5000.00   | 3.56     | 0.06        | 23.33       | 17.06          | 14.91             | 27.14              |
| 5200.00   | 3.56     | 0.06        | 22.82       | 17.49          | 15.34             | 27.05              |
| 5400.00   | 3.56     | 0.06        | 22.09       | 18.02          | 15.87             | 26.85              |
| 5600.00   | 3.56     | 0.05        | 21.58       | 18.43          | 16.28             | 26.76              |
| 5800.00   | 3.56     | 0.05        | 21.52       | 18.61          | 16.46             | 26.88              |
| 6000.00   | 3.56     | 0.05        | 21.49       | 18.77          | 16.62             | 27.01              |
| Frequency | Distance | Wavelength  | Attenuation | Gain(Isotr.)   | Gain(Dipole)      | Ant.-Factor        |
| Frequenz  | Abstand  | Wellenlänge | Dämpfung    | Isotrop-gewinn | Gewinn über Dipol | Ant.-Wand-lungsmaß |

# SCHWARZBECK MESS - ELEKTRONIK

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

## Kalibrierte Doppelsteg Breitband Hornantenne BBHA 9120 E *Calibrated Double Ridged Broadband Horn Antenna BBHA 9120 E*



Zwischenschalten eines Dämpfungsgliedes ist zweckmäßig, wenn das angeschlossene Gerät ein hohes Eigen-SWR (z.B. in der 0 dB-Stellung des Eingangsteilers) aufweist. Dann ist diese Dämpfung zum Antennenwandlungsmaß zu addieren bzw. vom Gewinn abzuziehen.

*Insertion of attenuator is advisable if the equipment presents a high internal SWR (e.g. in the 0 dB position of an internal step attenuator). In this case the attenuation must be added to the antenna factor (dB/m) or subtracted from the gain (dBi, dBd)*

