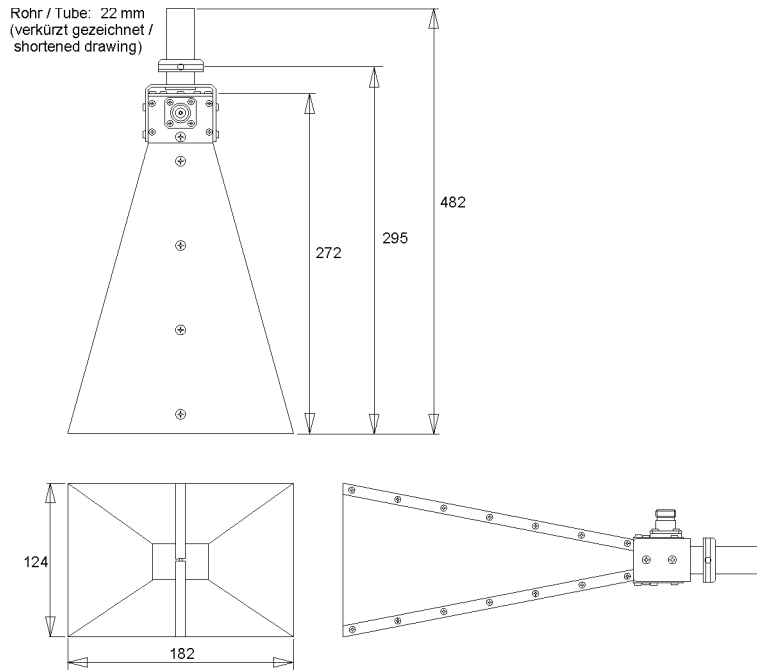


# SCHWARZBECK MESS - ELEKTRONIK

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

## Doppelsteg Breitband-Hornantenne BBHA 9120 B *Double Ridged Broadband Horn Antenna BBHA 9120 B*



### Technische Daten:

### BBHA 9120 B

### Specifications:

Bauart:

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

Type:

Linear polarized double ridged  
broadband horn antenna for receive  
and transmit applications made of  
aluminium.

Frequenzbereich, nominell:

1.5...10 GHz

Nominal Frequency Range:

Nutzbarer Frequenzbereich:

1 ... 10.5 GHz

Usable Frequency Range:

Isotropgewinn:

5 ... 18 dBi

Isotropic Gain:

Antennenfaktor:

25 ... 33 dB/m

Antenna Factor:

Impedanz, nominell:

50  $\Omega$

Nominal Impedance:

Stehwellenverhältnis SWR typisch:

< 1.5

Standing Wave Ratio SWR typical:

Stehwellenverhältnis SWR max.:

< 2.5 (f > 1.5 GHz)

Standing Wave Ratio SWR max.:

Vor- Rückverhältnis:

typ. > 25 dB (f > 1.3 GHz)

Front to Back Ratio:

Polarisationsentkopplung:

typ. > 25 dB

Cross Polarisation:

3 dB Öffnungswinkel typ.(E-Ebene):

$\approx 34^\circ$

3 dB Beamwidth typ. (E-Plane):

3 dB Öffnungswinkel typ.(H-Ebene):

$\approx 32^\circ$

3 dB Beamwidth typ. (H-Plane):

Max. Eingangsleistung:

300 W (cont.)

Max. Input Power:

Anschlußart: N-Buchse

N-Connector female

Halterung: 22 mm Rohr, Rastring

Mount: 22 mm Tube, Indexing Ring

Breite x Länge x Höhe:

184 x 272 (480) x 128 mm

Width x Length x Height:

Gewicht:

1.2 kg

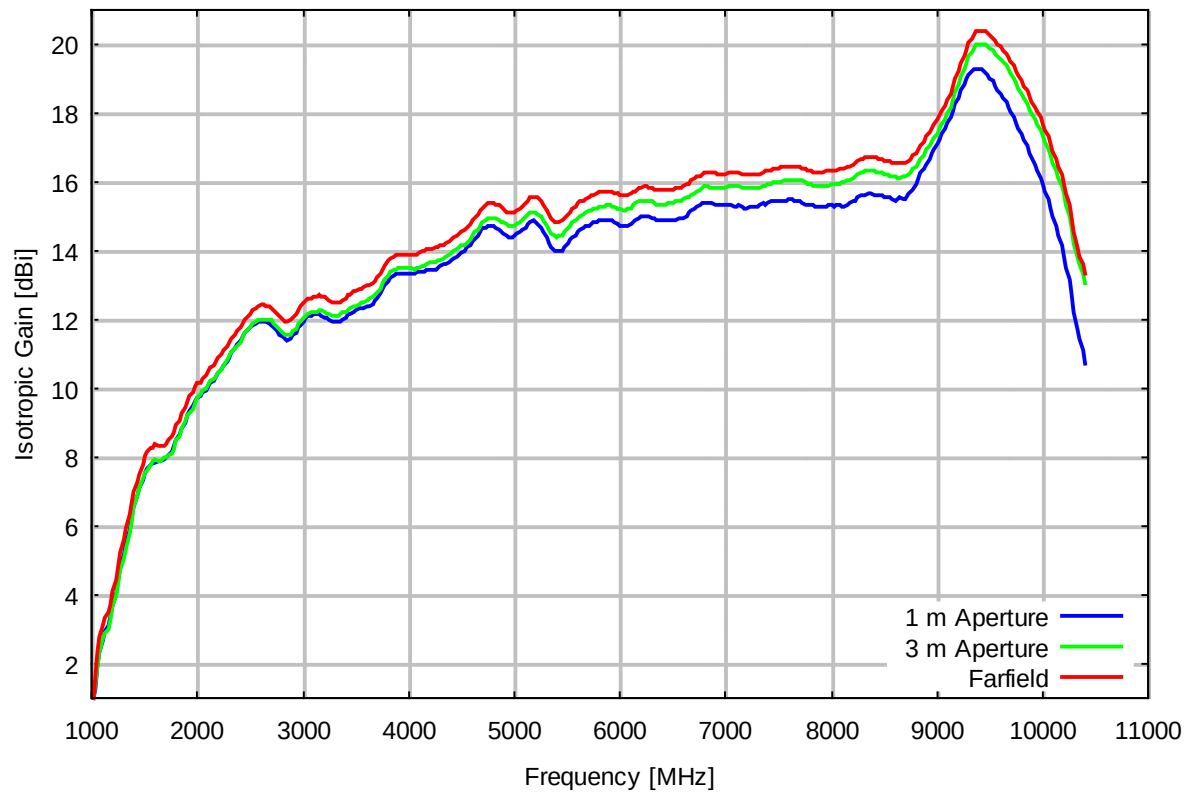
Weight:

# SCHWARZBECK MESS - ELEKTRONIK

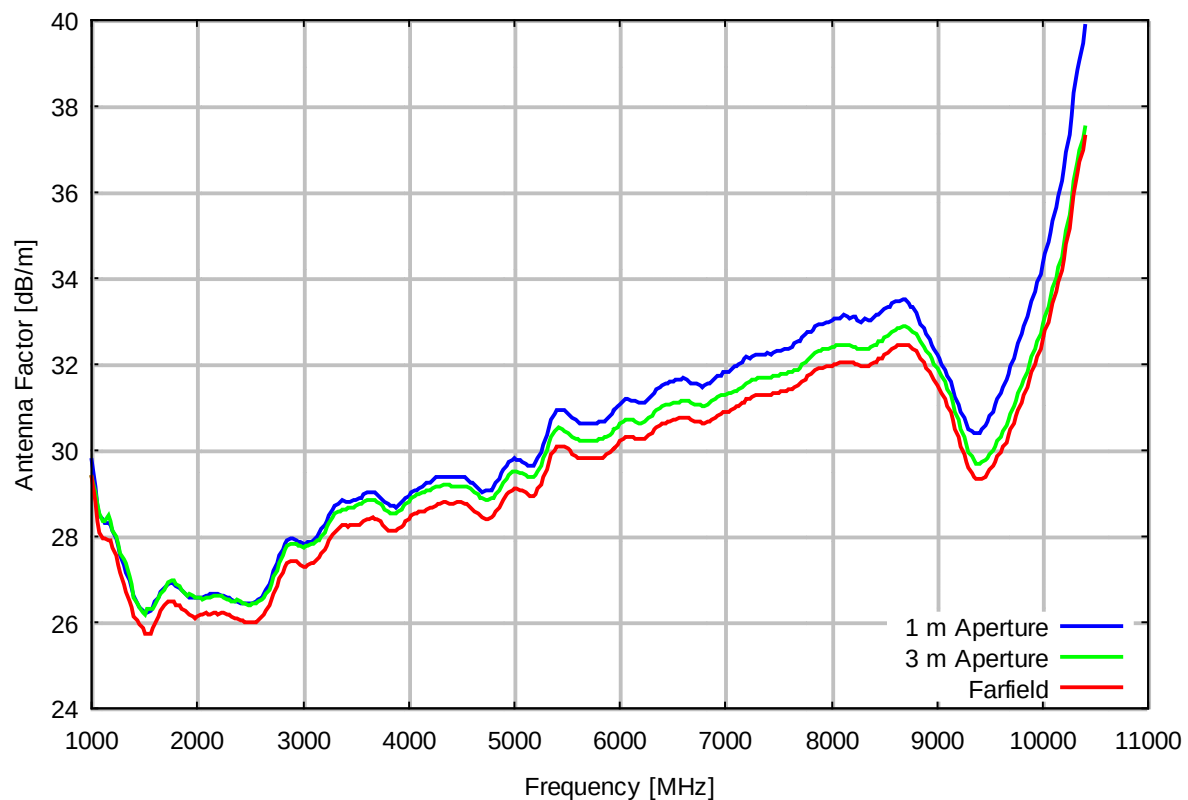
An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## Doppelsteg Breitband-Hornantenne BBHA 9120 B *Double Ridged Broadband Horn Antenna BBHA 9120 B*

Isotropgewinn



Antennenwandlungsmaß



# SCHWARZBECK MESS - ELEKTRONIK

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

## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 1000.00   | 0.45                       | 29.77                     | 0.83                       | 29.39                     | 0.87                     | 29.35                   |
| 1025.00   | 1.28                       | 29.15                     | 1.42                       | 29.01                     | 1.67                     | 28.77                   |
| 1050.00   | 1.94                       | 28.70                     | 1.91                       | 28.73                     | 2.31                     | 28.34                   |
| 1075.00   | 2.35                       | 28.50                     | 2.34                       | 28.51                     | 2.78                     | 28.07                   |
| 1100.00   | 2.68                       | 28.37                     | 2.69                       | 28.36                     | 3.11                     | 27.93                   |
| 1125.00   | 2.92                       | 28.32                     | 2.88                       | 28.36                     | 3.31                     | 27.93                   |
| 1150.00   | 3.12                       | 28.31                     | 2.97                       | 28.46                     | 3.51                     | 27.92                   |
| 1175.00   | 3.37                       | 28.25                     | 3.26                       | 28.36                     | 3.71                     | 27.91                   |
| 1200.00   | 3.68                       | 28.13                     | 3.68                       | 28.13                     | 4.08                     | 27.72                   |
| 1225.00   | 4.03                       | 27.96                     | 4.00                       | 27.98                     | 4.45                     | 27.53                   |
| 1250.00   | 4.41                       | 27.75                     | 4.32                       | 27.83                     | 4.82                     | 27.34                   |
| 1275.00   | 4.80                       | 27.53                     | 4.73                       | 27.60                     | 5.19                     | 27.14                   |
| 1300.00   | 5.16                       | 27.34                     | 5.06                       | 27.44                     | 5.61                     | 26.89                   |
| 1325.00   | 5.50                       | 27.17                     | 5.31                       | 27.35                     | 5.94                     | 26.72                   |
| 1350.00   | 5.86                       | 26.97                     | 5.74                       | 27.08                     | 6.35                     | 26.48                   |
| 1375.00   | 6.21                       | 26.78                     | 6.10                       | 26.88                     | 6.64                     | 26.35                   |
| 1400.00   | 6.53                       | 26.61                     | 6.55                       | 26.59                     | 7.01                     | 26.14                   |
| 1425.00   | 6.86                       | 26.44                     | 6.86                       | 26.44                     | 7.26                     | 26.03                   |
| 1450.00   | 7.09                       | 26.35                     | 7.11                       | 26.34                     | 7.50                     | 25.94                   |
| 1475.00   | 7.34                       | 26.26                     | 7.39                       | 26.20                     | 7.75                     | 25.84                   |
| 1500.00   | 7.52                       | 26.22                     | 7.55                       | 26.19                     | 8.03                     | 25.71                   |
| 1525.00   | 7.66                       | 26.23                     | 7.59                       | 26.30                     | 8.18                     | 25.71                   |
| 1550.00   | 7.76                       | 26.27                     | 7.74                       | 26.29                     | 8.29                     | 25.74                   |
| 1575.00   | 7.82                       | 26.34                     | 7.86                       | 26.30                     | 8.29                     | 25.87                   |
| 1600.00   | 7.83                       | 26.47                     | 7.93                       | 26.38                     | 8.36                     | 25.95                   |
| 1625.00   | 7.86                       | 26.58                     | 7.85                       | 26.58                     | 8.33                     | 26.11                   |
| 1650.00   | 7.87                       | 26.70                     | 7.89                       | 26.68                     | 8.33                     | 26.24                   |
| 1675.00   | 7.92                       | 26.78                     | 7.97                       | 26.73                     | 8.32                     | 26.38                   |
| 1700.00   | 7.98                       | 26.85                     | 8.01                       | 26.82                     | 8.40                     | 26.43                   |
| 1725.00   | 8.05                       | 26.90                     | 8.02                       | 26.93                     | 8.48                     | 26.47                   |
| 1750.00   | 8.16                       | 26.92                     | 8.12                       | 26.96                     | 8.61                     | 26.47                   |
| 1775.00   | 8.33                       | 26.87                     | 8.23                       | 26.97                     | 8.73                     | 26.47                   |
| 1800.00   | 8.50                       | 26.83                     | 8.46                       | 26.86                     | 8.92                     | 26.40                   |
| 1825.00   | 8.67                       | 26.78                     | 8.60                       | 26.84                     | 9.04                     | 26.41                   |
| 1850.00   | 8.84                       | 26.73                     | 8.83                       | 26.73                     | 9.24                     | 26.32                   |
| 1875.00   | 9.01                       | 26.67                     | 9.04                       | 26.64                     | 9.41                     | 26.27                   |
| 1900.00   | 9.20                       | 26.60                     | 9.19                       | 26.60                     | 9.59                     | 26.21                   |
| 1925.00   | 9.34                       | 26.57                     | 9.27                       | 26.64                     | 9.74                     | 26.17                   |
| 1950.00   | 9.46                       | 26.56                     | 9.39                       | 26.63                     | 9.89                     | 26.13                   |
| 1975.00   | 9.58                       | 26.56                     | 9.54                       | 26.59                     | 10.03                    | 26.10                   |
| 2000.00   | 9.69                       | 26.55                     | 9.69                       | 26.56                     | 10.13                    | 26.11                   |
| 2025.00   | 9.79                       | 26.56                     | 9.80                       | 26.55                     | 10.18                    | 26.17                   |
| 2050.00   | 9.88                       | 26.58                     | 9.92                       | 26.54                     | 10.28                    | 26.17                   |
| 2075.00   | 9.95                       | 26.62                     | 10.01                      | 26.55                     | 10.36                    | 26.20                   |
| 2100.00   | 10.03                      | 26.63                     | 10.09                      | 26.57                     | 10.47                    | 26.19                   |
| 2125.00   | 10.13                      | 26.64                     | 10.19                      | 26.58                     | 10.57                    | 26.19                   |
| 2150.00   | 10.22                      | 26.65                     | 10.25                      | 26.62                     | 10.65                    | 26.22                   |
| 2175.00   | 10.32                      | 26.65                     | 10.33                      | 26.63                     | 10.77                    | 26.20                   |
| 2200.00   | 10.43                      | 26.64                     | 10.43                      | 26.63                     | 10.88                    | 26.19                   |
| 2225.00   | 10.53                      | 26.63                     | 10.55                      | 26.62                     | 10.96                    | 26.21                   |
| 2250.00   | 10.65                      | 26.61                     | 10.67                      | 26.59                     | 11.07                    | 26.20                   |

# SCHWARZBECK MESS - ELEKTRONIK

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

## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 2275.00   | 10.77                      | 26.59                     | 10.82                      | 26.54                     | 11.18                    | 26.18                   |
| 2300.00   | 10.89                      | 26.56                     | 10.94                      | 26.51                     | 11.31                    | 26.15                   |
| 2325.00   | 11.03                      | 26.52                     | 11.06                      | 26.49                     | 11.44                    | 26.11                   |
| 2350.00   | 11.14                      | 26.50                     | 11.14                      | 26.50                     | 11.54                    | 26.10                   |
| 2375.00   | 11.25                      | 26.48                     | 11.21                      | 26.52                     | 11.67                    | 26.07                   |
| 2400.00   | 11.36                      | 26.46                     | 11.33                      | 26.50                     | 11.78                    | 26.04                   |
| 2425.00   | 11.48                      | 26.44                     | 11.47                      | 26.45                     | 11.90                    | 26.02                   |
| 2450.00   | 11.58                      | 26.42                     | 11.57                      | 26.43                     | 11.99                    | 26.01                   |
| 2475.00   | 11.68                      | 26.42                     | 11.68                      | 26.41                     | 12.09                    | 26.00                   |
| 2500.00   | 11.75                      | 26.43                     | 11.76                      | 26.41                     | 12.17                    | 26.01                   |
| 2525.00   | 11.82                      | 26.45                     | 11.85                      | 26.42                     | 12.27                    | 25.99                   |
| 2550.00   | 11.88                      | 26.47                     | 11.93                      | 26.42                     | 12.34                    | 26.01                   |
| 2575.00   | 11.92                      | 26.52                     | 11.96                      | 26.48                     | 12.38                    | 26.05                   |
| 2600.00   | 11.94                      | 26.58                     | 11.97                      | 26.54                     | 12.41                    | 26.11                   |
| 2625.00   | 11.95                      | 26.65                     | 12.01                      | 26.59                     | 12.42                    | 26.19                   |
| 2650.00   | 11.93                      | 26.76                     | 12.01                      | 26.68                     | 12.40                    | 26.28                   |
| 2675.00   | 11.89                      | 26.88                     | 12.00                      | 26.77                     | 12.37                    | 26.39                   |
| 2700.00   | 11.83                      | 27.02                     | 11.96                      | 26.89                     | 12.33                    | 26.52                   |
| 2725.00   | 11.74                      | 27.18                     | 11.88                      | 27.05                     | 12.26                    | 26.67                   |
| 2750.00   | 11.64                      | 27.36                     | 11.79                      | 27.21                     | 12.17                    | 26.84                   |
| 2775.00   | 11.53                      | 27.55                     | 11.71                      | 27.38                     | 12.08                    | 27.01                   |
| 2800.00   | 11.46                      | 27.70                     | 11.60                      | 27.56                     | 12.01                    | 27.15                   |
| 2825.00   | 11.42                      | 27.82                     | 11.55                      | 27.69                     | 11.95                    | 27.29                   |
| 2850.00   | 11.40                      | 27.91                     | 11.54                      | 27.78                     | 11.95                    | 27.37                   |
| 2875.00   | 11.44                      | 27.96                     | 11.56                      | 27.83                     | 11.97                    | 27.43                   |
| 2900.00   | 11.52                      | 27.95                     | 11.64                      | 27.83                     | 12.04                    | 27.43                   |
| 2925.00   | 11.62                      | 27.92                     | 11.73                      | 27.81                     | 12.15                    | 27.40                   |
| 2950.00   | 11.75                      | 27.87                     | 11.85                      | 27.77                     | 12.27                    | 27.35                   |
| 2975.00   | 11.84                      | 27.85                     | 11.94                      | 27.75                     | 12.36                    | 27.33                   |
| 3000.00   | 11.94                      | 27.82                     | 12.02                      | 27.74                     | 12.46                    | 27.30                   |
| 3025.00   | 12.03                      | 27.81                     | 12.08                      | 27.75                     | 12.53                    | 27.30                   |
| 3050.00   | 12.07                      | 27.84                     | 12.15                      | 27.76                     | 12.59                    | 27.31                   |
| 3075.00   | 12.11                      | 27.87                     | 12.18                      | 27.80                     | 12.60                    | 27.38                   |
| 3100.00   | 12.14                      | 27.91                     | 12.22                      | 27.83                     | 12.65                    | 27.39                   |
| 3125.00   | 12.14                      | 27.98                     | 12.23                      | 27.89                     | 12.66                    | 27.45                   |
| 3150.00   | 12.13                      | 28.06                     | 12.28                      | 27.91                     | 12.68                    | 27.51                   |
| 3175.00   | 12.09                      | 28.17                     | 12.26                      | 28.00                     | 12.65                    | 27.60                   |
| 3200.00   | 12.06                      | 28.26                     | 12.22                      | 28.10                     | 12.65                    | 27.67                   |
| 3225.00   | 12.03                      | 28.36                     | 12.17                      | 28.22                     | 12.60                    | 27.79                   |
| 3250.00   | 11.96                      | 28.50                     | 12.16                      | 28.30                     | 12.55                    | 27.91                   |
| 3275.00   | 11.92                      | 28.61                     | 12.10                      | 28.42                     | 12.49                    | 28.03                   |
| 3300.00   | 11.91                      | 28.68                     | 12.07                      | 28.52                     | 12.49                    | 28.10                   |
| 3325.00   | 11.92                      | 28.74                     | 12.08                      | 28.58                     | 12.48                    | 28.17                   |
| 3350.00   | 11.94                      | 28.78                     | 12.14                      | 28.58                     | 12.50                    | 28.22                   |
| 3375.00   | 11.97                      | 28.82                     | 12.18                      | 28.61                     | 12.54                    | 28.24                   |
| 3400.00   | 12.04                      | 28.81                     | 12.23                      | 28.62                     | 12.61                    | 28.24                   |
| 3425.00   | 12.13                      | 28.79                     | 12.28                      | 28.64                     | 12.68                    | 28.23                   |
| 3450.00   | 12.17                      | 28.81                     | 12.33                      | 28.65                     | 12.73                    | 28.25                   |
| 3475.00   | 12.21                      | 28.83                     | 12.37                      | 28.67                     | 12.79                    | 28.25                   |
| 3500.00   | 12.27                      | 28.83                     | 12.39                      | 28.71                     | 12.84                    | 28.26                   |
| 3525.00   | 12.31                      | 28.86                     | 12.43                      | 28.73                     | 12.89                    | 28.28                   |
| 3550.00   | 12.32                      | 28.90                     | 12.47                      | 28.75                     | 12.90                    | 28.32                   |

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## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 3575.00   | 12.32                      | 28.96                     | 12.49                      | 28.79                     | 12.94                    | 28.34                   |
| 3600.00   | 12.35                      | 29.00                     | 12.52                      | 28.83                     | 12.97                    | 28.37                   |
| 3625.00   | 12.40                      | 29.00                     | 12.58                      | 28.83                     | 13.01                    | 28.40                   |
| 3650.00   | 12.45                      | 29.02                     | 12.63                      | 28.84                     | 13.04                    | 28.42                   |
| 3675.00   | 12.52                      | 29.01                     | 12.69                      | 28.84                     | 13.12                    | 28.41                   |
| 3700.00   | 12.62                      | 28.96                     | 12.77                      | 28.81                     | 13.20                    | 28.38                   |
| 3725.00   | 12.74                      | 28.90                     | 12.89                      | 28.75                     | 13.30                    | 28.34                   |
| 3750.00   | 12.86                      | 28.84                     | 13.02                      | 28.68                     | 13.42                    | 28.28                   |
| 3775.00   | 12.98                      | 28.78                     | 13.15                      | 28.61                     | 13.56                    | 28.20                   |
| 3800.00   | 13.08                      | 28.73                     | 13.26                      | 28.56                     | 13.68                    | 28.14                   |
| 3825.00   | 13.18                      | 28.70                     | 13.36                      | 28.52                     | 13.75                    | 28.12                   |
| 3850.00   | 13.25                      | 28.68                     | 13.41                      | 28.52                     | 13.80                    | 28.12                   |
| 3875.00   | 13.31                      | 28.67                     | 13.44                      | 28.54                     | 13.85                    | 28.14                   |
| 3900.00   | 13.33                      | 28.71                     | 13.47                      | 28.58                     | 13.86                    | 28.18                   |
| 3925.00   | 13.32                      | 28.77                     | 13.47                      | 28.62                     | 13.87                    | 28.22                   |
| 3950.00   | 13.33                      | 28.83                     | 13.46                      | 28.69                     | 13.87                    | 28.28                   |
| 3975.00   | 13.34                      | 28.86                     | 13.46                      | 28.75                     | 13.86                    | 28.34                   |
| 4000.00   | 13.34                      | 28.92                     | 13.46                      | 28.80                     | 13.87                    | 28.39                   |
| 4025.00   | 13.31                      | 29.01                     | 13.46                      | 28.86                     | 13.86                    | 28.46                   |
| 4050.00   | 13.30                      | 29.07                     | 13.45                      | 28.92                     | 13.86                    | 28.51                   |
| 4075.00   | 13.35                      | 29.07                     | 13.47                      | 28.95                     | 13.89                    | 28.53                   |
| 4100.00   | 13.39                      | 29.08                     | 13.49                      | 28.98                     | 13.92                    | 28.55                   |
| 4125.00   | 13.39                      | 29.14                     | 13.52                      | 29.01                     | 13.96                    | 28.57                   |
| 4150.00   | 13.37                      | 29.21                     | 13.55                      | 29.03                     | 14.00                    | 28.58                   |
| 4175.00   | 13.41                      | 29.23                     | 13.59                      | 29.04                     | 14.03                    | 28.61                   |
| 4200.00   | 13.44                      | 29.24                     | 13.63                      | 29.05                     | 14.05                    | 28.64                   |
| 4225.00   | 13.45                      | 29.29                     | 13.65                      | 29.08                     | 14.06                    | 28.67                   |
| 4250.00   | 13.44                      | 29.35                     | 13.66                      | 29.13                     | 14.07                    | 28.71                   |
| 4275.00   | 13.47                      | 29.37                     | 13.70                      | 29.14                     | 14.10                    | 28.73                   |
| 4300.00   | 13.52                      | 29.37                     | 13.73                      | 29.16                     | 14.13                    | 28.76                   |
| 4325.00   | 13.57                      | 29.37                     | 13.76                      | 29.18                     | 14.16                    | 28.78                   |
| 4350.00   | 13.61                      | 29.38                     | 13.80                      | 29.19                     | 14.22                    | 28.77                   |
| 4375.00   | 13.66                      | 29.38                     | 13.86                      | 29.18                     | 14.28                    | 28.76                   |
| 4400.00   | 13.71                      | 29.38                     | 13.93                      | 29.16                     | 14.34                    | 28.75                   |
| 4425.00   | 13.75                      | 29.39                     | 13.98                      | 29.16                     | 14.38                    | 28.76                   |
| 4450.00   | 13.81                      | 29.37                     | 14.02                      | 29.16                     | 14.42                    | 28.77                   |
| 4475.00   | 13.87                      | 29.36                     | 14.08                      | 29.16                     | 14.46                    | 28.78                   |
| 4500.00   | 13.92                      | 29.37                     | 14.13                      | 29.15                     | 14.52                    | 28.77                   |
| 4525.00   | 13.98                      | 29.36                     | 14.17                      | 29.16                     | 14.58                    | 28.75                   |
| 4550.00   | 14.07                      | 29.31                     | 14.22                      | 29.16                     | 14.65                    | 28.73                   |
| 4575.00   | 14.17                      | 29.25                     | 14.31                      | 29.12                     | 14.75                    | 28.67                   |
| 4600.00   | 14.26                      | 29.22                     | 14.41                      | 29.06                     | 14.85                    | 28.63                   |
| 4625.00   | 14.34                      | 29.18                     | 14.52                      | 29.00                     | 14.94                    | 28.58                   |
| 4650.00   | 14.45                      | 29.12                     | 14.62                      | 28.95                     | 15.04                    | 28.53                   |
| 4675.00   | 14.56                      | 29.06                     | 14.71                      | 28.90                     | 15.13                    | 28.48                   |
| 4700.00   | 14.63                      | 29.03                     | 14.80                      | 28.86                     | 15.22                    | 28.45                   |
| 4725.00   | 14.67                      | 29.04                     | 14.86                      | 28.85                     | 15.30                    | 28.41                   |
| 4750.00   | 14.71                      | 29.04                     | 14.91                      | 28.85                     | 15.35                    | 28.40                   |
| 4775.00   | 14.73                      | 29.07                     | 14.93                      | 28.87                     | 15.38                    | 28.42                   |
| 4800.00   | 14.71                      | 29.14                     | 14.94                      | 28.90                     | 15.37                    | 28.48                   |
| 4825.00   | 14.66                      | 29.23                     | 14.93                      | 28.96                     | 15.34                    | 28.55                   |
| 4850.00   | 14.60                      | 29.33                     | 14.89                      | 29.05                     | 15.29                    | 28.64                   |

# SCHWARZBECK MESS - ELEKTRONIK

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

## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 4875.00   | 14.54                      | 29.44                     | 14.84                      | 29.14                     | 15.24                    | 28.74                   |
| 4900.00   | 14.47                      | 29.55                     | 14.79                      | 29.23                     | 15.18                    | 28.85                   |
| 4925.00   | 14.42                      | 29.65                     | 14.74                      | 29.33                     | 15.12                    | 28.95                   |
| 4950.00   | 14.39                      | 29.72                     | 14.69                      | 29.42                     | 15.09                    | 29.03                   |
| 4975.00   | 14.38                      | 29.77                     | 14.68                      | 29.48                     | 15.09                    | 29.07                   |
| 5000.00   | 14.40                      | 29.80                     | 14.70                      | 29.50                     | 15.11                    | 29.09                   |
| 5025.00   | 14.46                      | 29.79                     | 14.75                      | 29.50                     | 15.15                    | 29.09                   |
| 5050.00   | 14.54                      | 29.75                     | 14.81                      | 29.47                     | 15.21                    | 29.07                   |
| 5075.00   | 14.60                      | 29.73                     | 14.89                      | 29.44                     | 15.28                    | 29.05                   |
| 5100.00   | 14.67                      | 29.70                     | 14.97                      | 29.40                     | 15.36                    | 29.01                   |
| 5125.00   | 14.76                      | 29.65                     | 15.04                      | 29.37                     | 15.45                    | 28.97                   |
| 5150.00   | 14.84                      | 29.62                     | 15.09                      | 29.36                     | 15.51                    | 28.94                   |
| 5175.00   | 14.86                      | 29.64                     | 15.12                      | 29.38                     | 15.56                    | 28.94                   |
| 5200.00   | 14.82                      | 29.72                     | 15.11                      | 29.43                     | 15.55                    | 28.99                   |
| 5225.00   | 14.76                      | 29.82                     | 15.06                      | 29.52                     | 15.51                    | 29.08                   |
| 5250.00   | 14.67                      | 29.95                     | 14.98                      | 29.65                     | 15.41                    | 29.21                   |
| 5275.00   | 14.54                      | 30.12                     | 14.86                      | 29.80                     | 15.29                    | 29.37                   |
| 5300.00   | 14.37                      | 30.33                     | 14.73                      | 29.97                     | 15.15                    | 29.56                   |
| 5325.00   | 14.22                      | 30.53                     | 14.60                      | 30.15                     | 15.02                    | 29.73                   |
| 5350.00   | 14.09                      | 30.70                     | 14.48                      | 30.31                     | 14.90                    | 29.88                   |
| 5375.00   | 14.01                      | 30.82                     | 14.40                      | 30.42                     | 14.83                    | 30.00                   |
| 5400.00   | 13.96                      | 30.91                     | 14.38                      | 30.49                     | 14.79                    | 30.08                   |
| 5425.00   | 13.96                      | 30.94                     | 14.40                      | 30.51                     | 14.81                    | 30.10                   |
| 5450.00   | 14.01                      | 30.94                     | 14.45                      | 30.49                     | 14.85                    | 30.09                   |
| 5475.00   | 14.08                      | 30.91                     | 14.54                      | 30.45                     | 14.93                    | 30.06                   |
| 5500.00   | 14.19                      | 30.84                     | 14.63                      | 30.40                     | 15.01                    | 30.02                   |
| 5525.00   | 14.29                      | 30.78                     | 14.72                      | 30.35                     | 15.10                    | 29.97                   |
| 5550.00   | 14.37                      | 30.74                     | 14.81                      | 30.30                     | 15.18                    | 29.92                   |
| 5575.00   | 14.45                      | 30.69                     | 14.87                      | 30.27                     | 15.28                    | 29.87                   |
| 5600.00   | 14.54                      | 30.64                     | 14.94                      | 30.24                     | 15.35                    | 29.83                   |
| 5625.00   | 14.62                      | 30.60                     | 15.00                      | 30.22                     | 15.41                    | 29.82                   |
| 5650.00   | 14.67                      | 30.59                     | 15.04                      | 30.22                     | 15.45                    | 29.81                   |
| 5675.00   | 14.68                      | 30.62                     | 15.09                      | 30.21                     | 15.50                    | 29.80                   |
| 5700.00   | 14.73                      | 30.61                     | 15.13                      | 30.21                     | 15.54                    | 29.80                   |
| 5725.00   | 14.78                      | 30.60                     | 15.16                      | 30.22                     | 15.57                    | 29.80                   |
| 5750.00   | 14.80                      | 30.61                     | 15.20                      | 30.22                     | 15.60                    | 29.81                   |
| 5775.00   | 14.82                      | 30.63                     | 15.22                      | 30.23                     | 15.65                    | 29.80                   |
| 5800.00   | 14.85                      | 30.64                     | 15.24                      | 30.25                     | 15.68                    | 29.81                   |
| 5825.00   | 14.87                      | 30.65                     | 15.26                      | 30.26                     | 15.71                    | 29.82                   |
| 5850.00   | 14.89                      | 30.67                     | 15.28                      | 30.28                     | 15.72                    | 29.85                   |
| 5875.00   | 14.88                      | 30.72                     | 15.29                      | 30.31                     | 15.72                    | 29.88                   |
| 5900.00   | 14.87                      | 30.77                     | 15.29                      | 30.35                     | 15.71                    | 29.93                   |
| 5925.00   | 14.85                      | 30.83                     | 15.27                      | 30.41                     | 15.69                    | 29.98                   |
| 5950.00   | 14.79                      | 30.92                     | 15.24                      | 30.47                     | 15.66                    | 30.05                   |
| 5975.00   | 14.76                      | 30.99                     | 15.22                      | 30.52                     | 15.62                    | 30.12                   |
| 6000.00   | 14.73                      | 31.06                     | 15.19                      | 30.59                     | 15.59                    | 30.20                   |
| 6025.00   | 14.69                      | 31.13                     | 15.17                      | 30.65                     | 15.57                    | 30.25                   |
| 6050.00   | 14.69                      | 31.17                     | 15.17                      | 30.69                     | 15.57                    | 30.28                   |
| 6075.00   | 14.72                      | 31.17                     | 15.19                      | 30.70                     | 15.60                    | 30.29                   |
| 6100.00   | 14.77                      | 31.16                     | 15.23                      | 30.69                     | 15.62                    | 30.31                   |
| 6125.00   | 14.82                      | 31.15                     | 15.29                      | 30.68                     | 15.68                    | 30.29                   |
| 6150.00   | 14.87                      | 31.13                     | 15.35                      | 30.65                     | 15.73                    | 30.26                   |

# SCHWARZBECK MESS - ELEKTRONIK

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

## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 6175.00   | 14.94                      | 31.10                     | 15.40                      | 30.63                     | 15.79                    | 30.24                   |
| 6200.00   | 14.99                      | 31.08                     | 15.43                      | 30.63                     | 15.83                    | 30.24                   |
| 6225.00   | 14.99                      | 31.11                     | 15.45                      | 30.66                     | 15.86                    | 30.24                   |
| 6250.00   | 14.97                      | 31.16                     | 15.44                      | 30.70                     | 15.85                    | 30.28                   |
| 6275.00   | 14.97                      | 31.20                     | 15.42                      | 30.75                     | 15.84                    | 30.33                   |
| 6300.00   | 14.95                      | 31.26                     | 15.40                      | 30.81                     | 15.81                    | 30.40                   |
| 6325.00   | 14.91                      | 31.34                     | 15.36                      | 30.88                     | 15.78                    | 30.46                   |
| 6350.00   | 14.87                      | 31.41                     | 15.34                      | 30.93                     | 15.76                    | 30.51                   |
| 6375.00   | 14.86                      | 31.45                     | 15.34                      | 30.97                     | 15.75                    | 30.56                   |
| 6400.00   | 14.86                      | 31.49                     | 15.34                      | 31.00                     | 15.75                    | 30.59                   |
| 6425.00   | 14.85                      | 31.53                     | 15.34                      | 31.04                     | 15.76                    | 30.62                   |
| 6450.00   | 14.85                      | 31.56                     | 15.35                      | 31.07                     | 15.76                    | 30.65                   |
| 6475.00   | 14.87                      | 31.58                     | 15.37                      | 31.07                     | 15.77                    | 30.67                   |
| 6500.00   | 14.87                      | 31.61                     | 15.38                      | 31.09                     | 15.78                    | 30.70                   |
| 6525.00   | 14.88                      | 31.63                     | 15.40                      | 31.11                     | 15.79                    | 30.72                   |
| 6550.00   | 14.91                      | 31.63                     | 15.42                      | 31.12                     | 15.81                    | 30.74                   |
| 6575.00   | 14.93                      | 31.64                     | 15.45                      | 31.13                     | 15.83                    | 30.75                   |
| 6600.00   | 14.95                      | 31.66                     | 15.48                      | 31.13                     | 15.85                    | 30.76                   |
| 6625.00   | 15.00                      | 31.65                     | 15.51                      | 31.14                     | 15.90                    | 30.74                   |
| 6650.00   | 15.08                      | 31.59                     | 15.55                      | 31.13                     | 15.95                    | 30.73                   |
| 6675.00   | 15.15                      | 31.56                     | 15.61                      | 31.10                     | 16.01                    | 30.70                   |
| 6700.00   | 15.19                      | 31.55                     | 15.67                      | 31.07                     | 16.07                    | 30.67                   |
| 6725.00   | 15.24                      | 31.53                     | 15.72                      | 31.06                     | 16.12                    | 30.65                   |
| 6750.00   | 15.33                      | 31.48                     | 15.76                      | 31.04                     | 16.17                    | 30.64                   |
| 6775.00   | 15.38                      | 31.46                     | 15.81                      | 31.02                     | 16.22                    | 30.62                   |
| 6800.00   | 15.37                      | 31.50                     | 15.85                      | 31.02                     | 16.25                    | 30.62                   |
| 6825.00   | 15.37                      | 31.54                     | 15.85                      | 31.05                     | 16.26                    | 30.64                   |
| 6850.00   | 15.38                      | 31.55                     | 15.84                      | 31.09                     | 16.26                    | 30.67                   |
| 6875.00   | 15.37                      | 31.60                     | 15.84                      | 31.13                     | 16.25                    | 30.71                   |
| 6900.00   | 15.34                      | 31.66                     | 15.82                      | 31.18                     | 16.24                    | 30.76                   |
| 6925.00   | 15.32                      | 31.71                     | 15.81                      | 31.22                     | 16.22                    | 30.81                   |
| 6950.00   | 15.32                      | 31.74                     | 15.80                      | 31.26                     | 16.22                    | 30.84                   |
| 6975.00   | 15.30                      | 31.79                     | 15.82                      | 31.27                     | 16.22                    | 30.87                   |
| 7000.00   | 15.30                      | 31.82                     | 15.83                      | 31.29                     | 16.23                    | 30.89                   |
| 7025.00   | 15.32                      | 31.83                     | 15.85                      | 31.30                     | 16.25                    | 30.90                   |
| 7050.00   | 15.31                      | 31.87                     | 15.85                      | 31.33                     | 16.26                    | 30.93                   |
| 7075.00   | 15.28                      | 31.93                     | 15.87                      | 31.35                     | 16.27                    | 30.95                   |
| 7100.00   | 15.28                      | 31.96                     | 15.87                      | 31.38                     | 16.25                    | 30.99                   |
| 7125.00   | 15.30                      | 31.98                     | 15.85                      | 31.43                     | 16.25                    | 31.03                   |
| 7150.00   | 15.27                      | 32.04                     | 15.83                      | 31.47                     | 16.22                    | 31.08                   |
| 7175.00   | 15.22                      | 32.12                     | 15.82                      | 31.52                     | 16.21                    | 31.12                   |
| 7200.00   | 15.22                      | 32.15                     | 15.81                      | 31.56                     | 16.19                    | 31.17                   |
| 7225.00   | 15.25                      | 32.14                     | 15.80                      | 31.59                     | 16.18                    | 31.21                   |
| 7250.00   | 15.26                      | 32.16                     | 15.80                      | 31.63                     | 16.18                    | 31.24                   |
| 7275.00   | 15.24                      | 32.22                     | 15.81                      | 31.64                     | 16.19                    | 31.26                   |
| 7300.00   | 15.26                      | 32.23                     | 15.83                      | 31.66                     | 16.20                    | 31.28                   |
| 7325.00   | 15.32                      | 32.19                     | 15.84                      | 31.67                     | 16.23                    | 31.28                   |
| 7350.00   | 15.35                      | 32.19                     | 15.88                      | 31.67                     | 16.27                    | 31.28                   |
| 7375.00   | 15.34                      | 32.23                     | 15.89                      | 31.68                     | 16.29                    | 31.29                   |
| 7400.00   | 15.37                      | 32.24                     | 15.92                      | 31.68                     | 16.32                    | 31.29                   |
| 7425.00   | 15.40                      | 32.23                     | 15.94                      | 31.69                     | 16.34                    | 31.29                   |
| 7450.00   | 15.41                      | 32.25                     | 15.96                      | 31.70                     | 16.37                    | 31.30                   |

# SCHWARZBECK MESS - ELEKTRONIK

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

## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 7475.00   | 15.41                      | 32.28                     | 15.99                      | 31.70                     | 16.38                    | 31.31                   |
| 7500.00   | 15.43                      | 32.29                     | 15.99                      | 31.73                     | 16.39                    | 31.33                   |
| 7525.00   | 15.44                      | 32.31                     | 16.00                      | 31.75                     | 16.40                    | 31.35                   |
| 7550.00   | 15.43                      | 32.35                     | 16.02                      | 31.76                     | 16.41                    | 31.37                   |
| 7575.00   | 15.45                      | 32.36                     | 16.03                      | 31.78                     | 16.42                    | 31.38                   |
| 7600.00   | 15.48                      | 32.36                     | 16.04                      | 31.79                     | 16.43                    | 31.40                   |
| 7625.00   | 15.46                      | 32.40                     | 16.05                      | 31.82                     | 16.44                    | 31.42                   |
| 7650.00   | 15.41                      | 32.48                     | 16.05                      | 31.84                     | 16.44                    | 31.46                   |
| 7675.00   | 15.41                      | 32.51                     | 16.05                      | 31.87                     | 16.43                    | 31.49                   |
| 7700.00   | 15.43                      | 32.52                     | 16.04                      | 31.91                     | 16.41                    | 31.54                   |
| 7725.00   | 15.39                      | 32.59                     | 16.01                      | 31.97                     | 16.39                    | 31.59                   |
| 7750.00   | 15.31                      | 32.69                     | 15.98                      | 32.03                     | 16.36                    | 31.65                   |
| 7775.00   | 15.30                      | 32.74                     | 15.95                      | 32.09                     | 16.32                    | 31.71                   |
| 7800.00   | 15.31                      | 32.75                     | 15.92                      | 32.15                     | 16.30                    | 31.77                   |
| 7825.00   | 15.29                      | 32.80                     | 15.89                      | 32.20                     | 16.28                    | 31.81                   |
| 7850.00   | 15.24                      | 32.88                     | 15.88                      | 32.24                     | 16.27                    | 31.85                   |
| 7875.00   | 15.24                      | 32.90                     | 15.87                      | 32.28                     | 16.26                    | 31.89                   |
| 7900.00   | 15.27                      | 32.90                     | 15.87                      | 32.30                     | 16.26                    | 31.91                   |
| 7925.00   | 15.28                      | 32.92                     | 15.87                      | 32.33                     | 16.28                    | 31.92                   |
| 7950.00   | 15.27                      | 32.95                     | 15.89                      | 32.34                     | 16.29                    | 31.93                   |
| 7975.00   | 15.29                      | 32.96                     | 15.89                      | 32.36                     | 16.31                    | 31.95                   |
| 8000.00   | 15.29                      | 32.99                     | 15.90                      | 32.38                     | 16.32                    | 31.96                   |
| 8025.00   | 15.27                      | 33.04                     | 15.92                      | 32.39                     | 16.34                    | 31.97                   |
| 8050.00   | 15.29                      | 33.04                     | 15.92                      | 32.41                     | 16.34                    | 31.99                   |
| 8075.00   | 15.30                      | 33.06                     | 15.95                      | 32.42                     | 16.36                    | 32.01                   |
| 8100.00   | 15.27                      | 33.11                     | 15.96                      | 32.43                     | 16.36                    | 32.03                   |
| 8125.00   | 15.27                      | 33.15                     | 15.98                      | 32.43                     | 16.37                    | 32.05                   |
| 8150.00   | 15.34                      | 33.10                     | 16.02                      | 32.42                     | 16.40                    | 32.04                   |
| 8175.00   | 15.39                      | 33.07                     | 16.05                      | 32.42                     | 16.43                    | 32.04                   |
| 8200.00   | 15.41                      | 33.09                     | 16.09                      | 32.40                     | 16.48                    | 32.01                   |
| 8225.00   | 15.43                      | 33.09                     | 16.14                      | 32.38                     | 16.53                    | 31.99                   |
| 8250.00   | 15.53                      | 33.02                     | 16.19                      | 32.36                     | 16.58                    | 31.97                   |
| 8275.00   | 15.59                      | 32.98                     | 16.24                      | 32.33                     | 16.62                    | 31.95                   |
| 8300.00   | 15.59                      | 33.01                     | 16.27                      | 32.33                     | 16.66                    | 31.94                   |
| 8325.00   | 15.59                      | 33.04                     | 16.30                      | 32.33                     | 16.68                    | 31.95                   |
| 8350.00   | 15.65                      | 33.01                     | 16.32                      | 32.34                     | 16.70                    | 31.96                   |
| 8375.00   | 15.66                      | 33.02                     | 16.31                      | 32.37                     | 16.70                    | 31.98                   |
| 8400.00   | 15.61                      | 33.10                     | 16.29                      | 32.41                     | 16.69                    | 32.02                   |
| 8425.00   | 15.59                      | 33.14                     | 16.28                      | 32.45                     | 16.68                    | 32.05                   |
| 8450.00   | 15.61                      | 33.15                     | 16.26                      | 32.50                     | 16.66                    | 32.10                   |
| 8475.00   | 15.57                      | 33.21                     | 16.25                      | 32.53                     | 16.64                    | 32.14                   |
| 8500.00   | 15.52                      | 33.29                     | 16.22                      | 32.59                     | 16.61                    | 32.20                   |
| 8525.00   | 15.52                      | 33.31                     | 16.19                      | 32.64                     | 16.59                    | 32.24                   |
| 8550.00   | 15.52                      | 33.34                     | 16.16                      | 32.70                     | 16.57                    | 32.29                   |
| 8575.00   | 15.47                      | 33.41                     | 16.14                      | 32.74                     | 16.55                    | 32.34                   |
| 8600.00   | 15.44                      | 33.47                     | 16.12                      | 32.79                     | 16.53                    | 32.38                   |
| 8625.00   | 15.49                      | 33.45                     | 16.11                      | 32.83                     | 16.52                    | 32.41                   |
| 8650.00   | 15.51                      | 33.46                     | 16.11                      | 32.85                     | 16.53                    | 32.43                   |
| 8675.00   | 15.48                      | 33.51                     | 16.12                      | 32.87                     | 16.54                    | 32.44                   |
| 8700.00   | 15.50                      | 33.51                     | 16.14                      | 32.87                     | 16.56                    | 32.45                   |
| 8725.00   | 15.63                      | 33.40                     | 16.20                      | 32.84                     | 16.60                    | 32.44                   |
| 8750.00   | 15.73                      | 33.33                     | 16.26                      | 32.80                     | 16.67                    | 32.39                   |



# SCHWARZBECK MESS - ELEKTRONIK

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

## **Doppelsteg Breitband-Hornantenne BBHA 9120 B** ***Double Ridged Broadband Horn Antenna BBHA 9120 B***

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 8775.00   | 15.78                      | 33.30                     | 16.35                      | 32.74                     | 16.73                    | 32.35                   |
| 8800.00   | 15.91                      | 33.20                     | 16.43                      | 32.68                     | 16.83                    | 32.28                   |
| 8825.00   | 16.10                      | 33.04                     | 16.55                      | 32.59                     | 16.93                    | 32.21                   |
| 8850.00   | 16.24                      | 32.91                     | 16.66                      | 32.50                     | 17.05                    | 32.11                   |
| 8875.00   | 16.36                      | 32.83                     | 16.78                      | 32.40                     | 17.17                    | 32.01                   |
| 8900.00   | 16.50                      | 32.70                     | 16.92                      | 32.29                     | 17.29                    | 31.92                   |
| 8925.00   | 16.66                      | 32.57                     | 17.03                      | 32.20                     | 17.41                    | 31.82                   |
| 8950.00   | 16.81                      | 32.44                     | 17.15                      | 32.10                     | 17.54                    | 31.72                   |
| 8975.00   | 16.94                      | 32.34                     | 17.28                      | 32.00                     | 17.66                    | 31.62                   |
| 9000.00   | 17.07                      | 32.23                     | 17.39                      | 31.91                     | 17.79                    | 31.51                   |
| 9025.00   | 17.21                      | 32.12                     | 17.52                      | 31.80                     | 17.92                    | 31.41                   |
| 9050.00   | 17.36                      | 32.00                     | 17.66                      | 31.70                     | 18.05                    | 31.30                   |
| 9075.00   | 17.51                      | 31.87                     | 17.81                      | 31.57                     | 18.20                    | 31.18                   |
| 9100.00   | 17.68                      | 31.72                     | 17.98                      | 31.42                     | 18.37                    | 31.03                   |
| 9125.00   | 17.85                      | 31.57                     | 18.16                      | 31.27                     | 18.55                    | 30.87                   |
| 9150.00   | 18.03                      | 31.42                     | 18.36                      | 31.09                     | 18.76                    | 30.69                   |
| 9175.00   | 18.23                      | 31.24                     | 18.58                      | 30.89                     | 18.97                    | 30.50                   |
| 9200.00   | 18.44                      | 31.05                     | 18.80                      | 30.70                     | 19.19                    | 30.30                   |
| 9225.00   | 18.63                      | 30.89                     | 19.03                      | 30.49                     | 19.42                    | 30.10                   |
| 9250.00   | 18.79                      | 30.75                     | 19.25                      | 30.29                     | 19.64                    | 29.90                   |
| 9275.00   | 18.95                      | 30.61                     | 19.44                      | 30.12                     | 19.83                    | 29.73                   |
| 9300.00   | 19.10                      | 30.49                     | 19.63                      | 29.96                     | 20.01                    | 29.58                   |
| 9325.00   | 19.19                      | 30.42                     | 19.77                      | 29.84                     | 20.16                    | 29.45                   |
| 9350.00   | 19.24                      | 30.40                     | 19.88                      | 29.75                     | 20.26                    | 29.37                   |
| 9375.00   | 19.27                      | 30.39                     | 19.96                      | 29.70                     | 20.34                    | 29.32                   |
| 9400.00   | 19.28                      | 30.41                     | 20.00                      | 29.68                     | 20.38                    | 29.31                   |
| 9425.00   | 19.23                      | 30.47                     | 20.00                      | 29.71                     | 20.37                    | 29.33                   |
| 9450.00   | 19.17                      | 30.56                     | 19.98                      | 29.75                     | 20.35                    | 29.37                   |
| 9475.00   | 19.09                      | 30.67                     | 19.93                      | 29.82                     | 20.31                    | 29.44                   |
| 9500.00   | 18.99                      | 30.78                     | 19.87                      | 29.90                     | 20.24                    | 29.53                   |
| 9525.00   | 18.90                      | 30.90                     | 19.80                      | 30.00                     | 20.17                    | 29.63                   |
| 9550.00   | 18.78                      | 31.04                     | 19.72                      | 30.10                     | 20.09                    | 29.73                   |
| 9575.00   | 18.67                      | 31.17                     | 19.63                      | 30.21                     | 20.00                    | 29.84                   |
| 9600.00   | 18.55                      | 31.31                     | 19.55                      | 30.31                     | 19.91                    | 29.95                   |
| 9625.00   | 18.42                      | 31.46                     | 19.46                      | 30.42                     | 19.82                    | 30.07                   |
| 9650.00   | 18.29                      | 31.62                     | 19.36                      | 30.55                     | 19.72                    | 30.19                   |
| 9675.00   | 18.16                      | 31.77                     | 19.24                      | 30.69                     | 19.61                    | 30.33                   |
| 9700.00   | 18.01                      | 31.94                     | 19.13                      | 30.83                     | 19.49                    | 30.46                   |
| 9725.00   | 17.84                      | 32.14                     | 18.99                      | 30.99                     | 19.36                    | 30.62                   |
| 9750.00   | 17.68                      | 32.32                     | 18.85                      | 31.15                     | 19.22                    | 30.78                   |
| 9775.00   | 17.53                      | 32.49                     | 18.71                      | 31.31                     | 19.08                    | 30.94                   |
| 9800.00   | 17.36                      | 32.68                     | 18.56                      | 31.49                     | 18.93                    | 31.12                   |
| 9825.00   | 17.19                      | 32.88                     | 18.42                      | 31.65                     | 18.78                    | 31.29                   |
| 9850.00   | 17.01                      | 33.08                     | 18.27                      | 31.82                     | 18.63                    | 31.46                   |
| 9875.00   | 16.84                      | 33.27                     | 18.11                      | 32.00                     | 18.46                    | 31.65                   |
| 9900.00   | 16.68                      | 33.45                     | 17.97                      | 32.17                     | 18.32                    | 31.81                   |
| 9925.00   | 16.49                      | 33.67                     | 17.82                      | 32.34                     | 18.17                    | 31.99                   |
| 9950.00   | 16.29                      | 33.88                     | 17.66                      | 32.52                     | 18.01                    | 32.17                   |
| 9975.00   | 16.11                      | 34.09                     | 17.49                      | 32.71                     | 17.84                    | 32.36                   |
| 10000.00  | 15.90                      | 34.32                     | 17.30                      | 32.92                     | 17.65                    | 32.57                   |
| 10025.00  | 15.68                      | 34.56                     | 17.13                      | 33.11                     | 17.47                    | 32.78                   |
| 10050.00  | 15.46                      | 34.81                     | 16.95                      | 33.31                     | 17.29                    | 32.97                   |

# SCHWARZBECK MESS - ELEKTRONIK

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

## Doppelsteg Breitband-Hornantenne BBHA 9120 B Double Ridged Broadband Horn Antenna BBHA 9120 B

| Frequency | Gain(Isotr.)<br>1 m Apert. | Ant.-Factor<br>1 m Apert. | Gain(Isotr.)<br>3 m Apert. | Ant.-Factor<br>3 m Apert. | Gain(Isotr.)<br>Farfield | Ant.-Factor<br>Farfield |
|-----------|----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|-------------------------|
| MHz       | dBi                        | dB/m                      | dBi                        | dB/m                      | dBi                      | dB/m                    |
| 10075.00  | 15.22                      | 35.07                     | 16.76                      | 33.53                     | 17.09                    | 33.20                   |
| 10100.00  | 14.97                      | 35.34                     | 16.55                      | 33.76                     | 16.89                    | 33.42                   |
| 10125.00  | 14.72                      | 35.61                     | 16.34                      | 33.99                     | 16.67                    | 33.66                   |
| 10150.00  | 14.44                      | 35.91                     | 16.11                      | 34.24                     | 16.44                    | 33.91                   |
| 10175.00  | 14.15                      | 36.23                     | 15.88                      | 34.49                     | 16.21                    | 34.16                   |
| 10200.00  | 13.82                      | 36.57                     | 15.62                      | 34.77                     | 15.95                    | 34.44                   |
| 10225.00  | 13.49                      | 36.92                     | 15.32                      | 35.09                     | 15.64                    | 34.77                   |
| 10250.00  | 13.13                      | 37.31                     | 14.99                      | 35.44                     | 15.30                    | 35.13                   |
| 10275.00  | 12.70                      | 37.75                     | 14.64                      | 35.81                     | 14.93                    | 35.52                   |
| 10300.00  | 12.19                      | 38.29                     | 14.23                      | 36.25                     | 14.53                    | 35.95                   |
| 10325.00  | 11.68                      | 38.81                     | 13.80                      | 36.69                     | 14.08                    | 36.42                   |
| 10350.00  | 11.45                      | 39.06                     | 13.57                      | 36.95                     | 13.83                    | 36.69                   |
| 10375.00  | 11.10                      | 39.43                     | 13.31                      | 37.23                     | 13.57                    | 36.97                   |
| 10400.00  | 10.71                      | 39.85                     | 13.05                      | 37.51                     | 13.30                    | 37.26                   |

### Stehwellenverhältnis

