Hochgewinn-Hornantenne BBHA 9120 K
High Gain Horn Antenna BBHA 9120 K

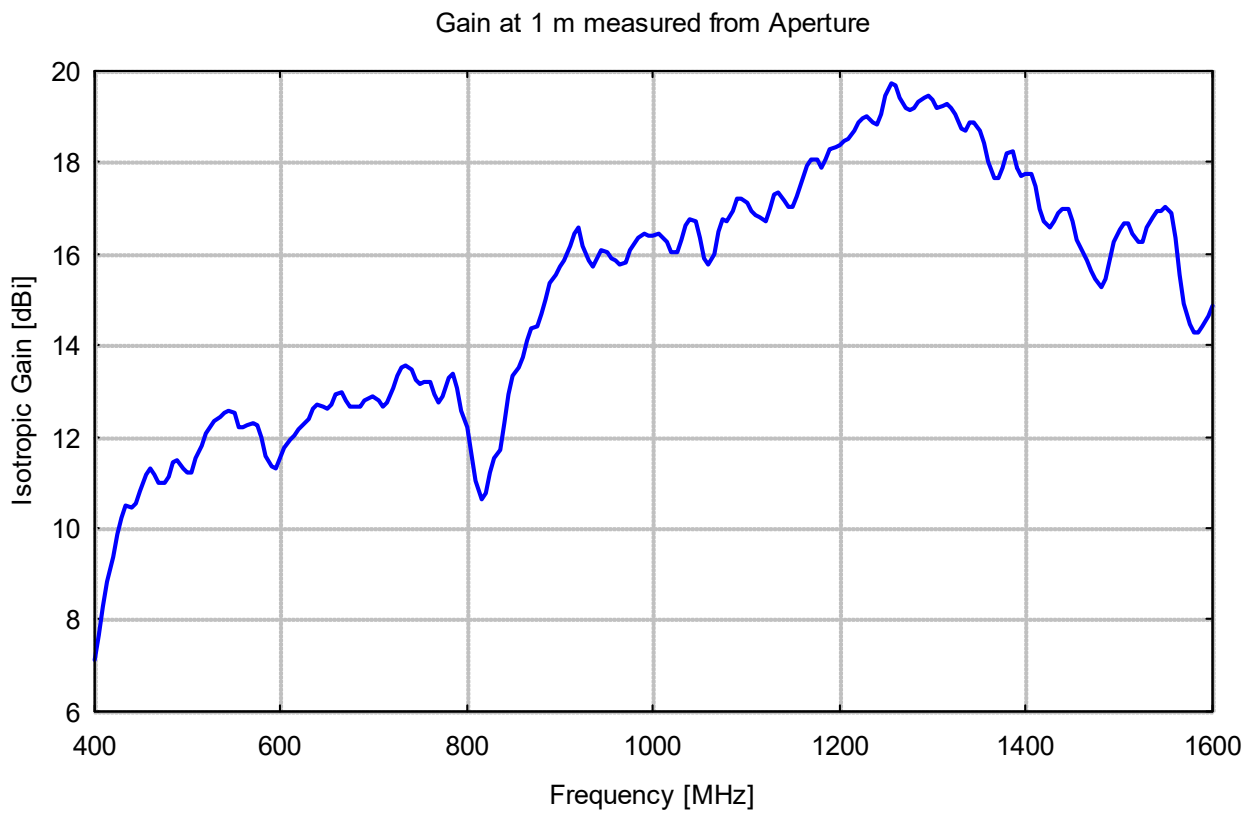
Beschreibung:

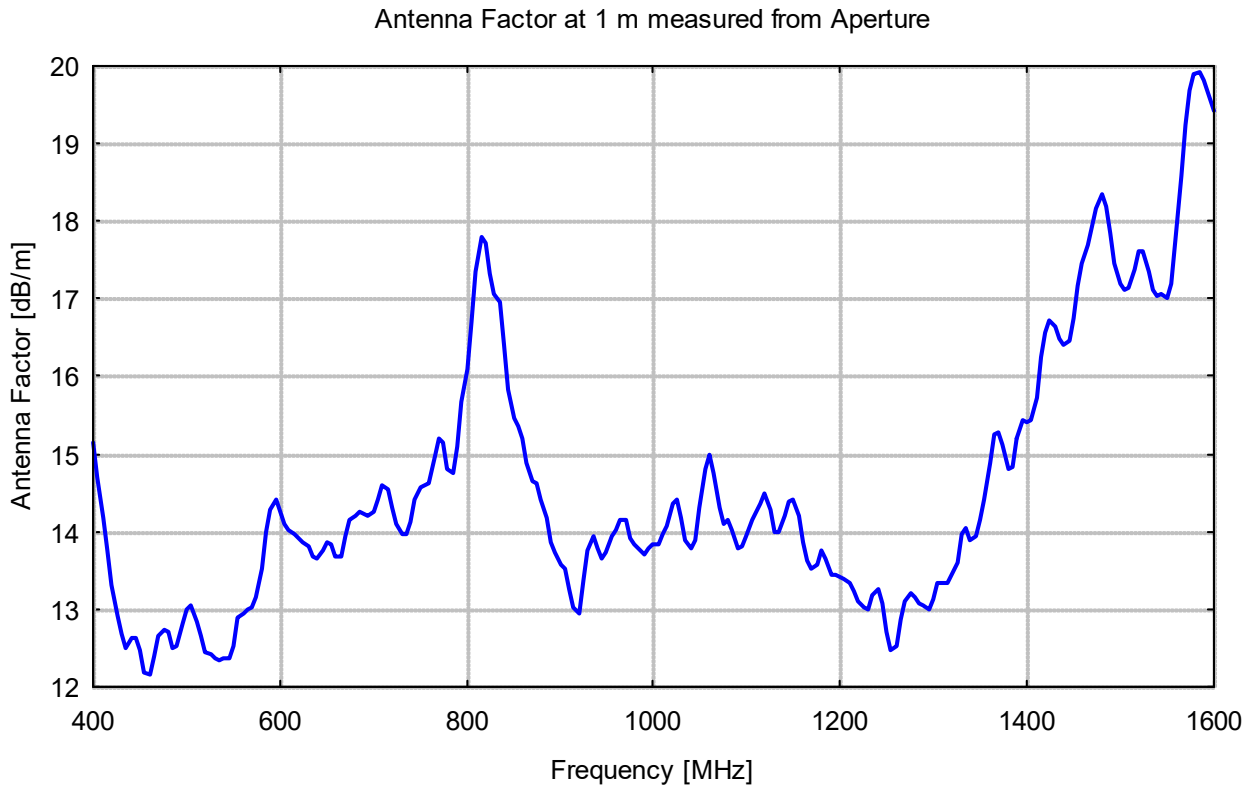
Die Hornantenne BBHA 9120 K ist eine linear polarisierte Hochgewinnantenne, die speziell für Störfestigkeitsprüfungen in den Radarbändern von 1.2 GHz bis 1.4 GHz bei kurzen Messentfernungen optimiert wurde.

Description:

The BBHA 9120 K is a linear polarized high gain horn antenna for immunity testing at short distances, especially optimized for the radar frequency range 1.2 GHz to 1.4 GHz.

Technische Daten:		***Specifications:***
Frequenzbereich:	400 MHz - 1.6 GHz	*Frequency Range:*
Isotropgewinn:	11-20 dBi (450 MHz < f < 1.6 GHz)	*Isotropic Gain:*
Antennenfaktor:	12-20 dB/m	*Antenna Factor:*
Impedanz, nominell:	50 Ω	*Nominal Impedance:*
Stehwellenverhältnis SWR max:	< 2.5 (450 MHz < f < 1.6 GHz)	*Standing Wave Ratio SWR max:*
Stehwellenverhältnis SWR typisch:	< 1.5	*Standing Wave Ratio SWR typical:*
Polarisation:	linear	*Polarisation:*
Max. Eingangsleistung: Anschluß: N-Buchse	1 kW @ 1 GHz 0.8 kW @ 1.5 GHz	*Max. Input Power:* *N-Connector female*
Max. Eingangsleistung: Option: 7/16 Buchse	1.7 kW @1 GHz 1.4 kW @ 1.5 GHz	*Max. Input Power:* *Option: 7/16 Connector female*
3 dB Öffnungswinkel E-Ebene:	19° - 35° (0.9-1.5 GHz)	*3 dB Beamwidth E-plane:*
3 dB Öffnungswinkel H-Ebene:	18° - 33°(0.9-1.5 GHz)	*3 dB Beamwidth H-plane:*
Länge x Breite x Höhe:	1.85 x 1.1 x 0.8 m	*Length x Width x Height:*
Gewicht:	32.5 kg	*Weight:*
Montage: Flansch		*Mounting: Flange*
Empfohlener Mast:	AM BBHA 9120 K	*Recommended Mast:*
Normen:	General Motors: **GM3097** Ford: **EMC-CS-2009**	*Standards:*





Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture
[MHz]	[dBi]	[dB/m]
350.00	3.84	17.26
355.00	4.26	16.96
360.00	4.84	16.51
365.00	5.32	16.15
370.00	5.71	15.87
375.00	5.79	15.91
380.00	6.01	15.81
385.00	6.29	15.64
390.00	6.40	15.64
395.00	6.80	15.35
400.00	7.12	15.14
405.00	7.67	14.70
410.00	8.30	14.18
415.00	8.83	13.75
420.00	9.37	13.31
425.00	9.87	12.92
430.00	10.21	12.68
435.00	10.49	12.50
440.00	10.47	12.62
445.00	10.56	12.63
450.00	10.82	12.46
455.00	11.19	12.19
460.00	11.31	12.17
465.00	11.19	12.38
470.00	11.00	12.66
475.00	11.01	12.74
480.00	11.15	12.69
485.00	11.44	12.49
490.00	11.49	12.53
495.00	11.31	12.80
500.00	11.21	12.99
505.00	11.24	13.05
510.00	11.54	12.83
515.00	11.81	12.65
520.00	12.09	12.45
525.00	12.20	12.42
530.00	12.34	12.37
535.00	12.44	12.35
540.00	12.51	12.36
545.00	12.57	12.38
550.00	12.51	12.52
555.00	12.21	12.90
560.00	12.23	12.95
565.00	12.26	13.00
570.00	12.32	13.02
575.00	12.26	13.15
580.00	11.97	13.52
585.00	11.57	13.99
590.00	11.35	14.29
595.00	11.29	14.42
600.00	11.53	14.25

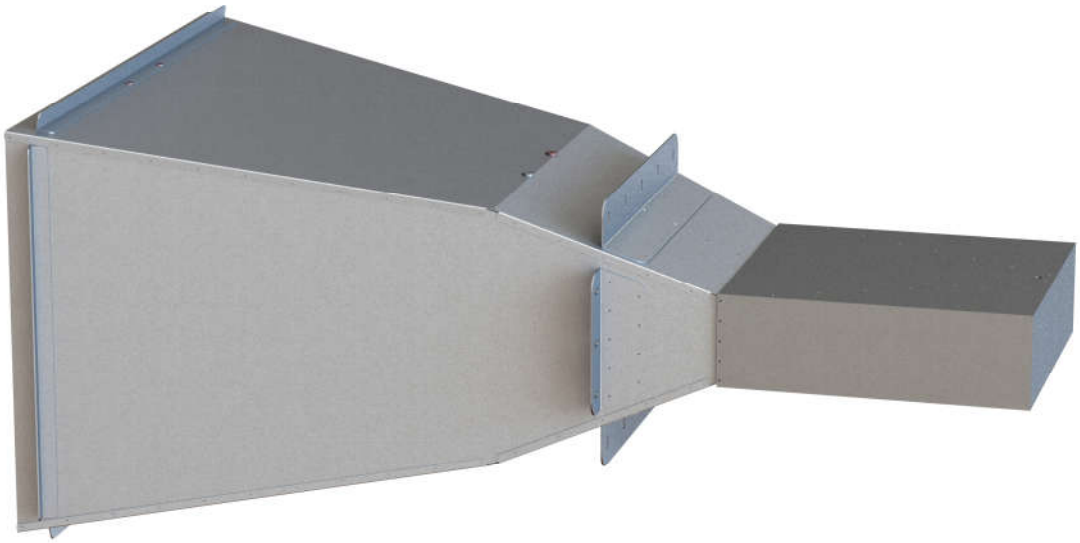
Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture
[MHz]	[dBi]	[dB/m]
605.00	11.76	14.10
610.00	11.92	14.01
615.00	12.04	13.96
620.00	12.15	13.92
625.00	12.27	13.87
630.00	12.41	13.80
635.00	12.61	13.67
640.00	12.70	13.64
645.00	12.65	13.76
650.00	12.62	13.86
655.00	12.71	13.83
660.00	12.93	13.68
665.00	12.99	13.69
670.00	12.79	13.95
675.00	12.67	14.14
680.00	12.66	14.21
685.00	12.68	14.25
690.00	12.78	14.22
695.00	12.85	14.21
700.00	12.87	14.25
705.00	12.78	14.40
710.00	12.66	14.59
715.00	12.76	14.55
720.00	13.07	14.30
725.00	13.33	14.10
730.00	13.52	13.97
735.00	13.57	13.98
740.00	13.49	14.11
745.00	13.25	14.41
750.00	13.16	14.56
755.00	13.19	14.59
760.00	13.21	14.63
765.00	12.94	14.95
770.00	12.75	15.20
775.00	12.87	15.14
780.00	13.27	14.79
785.00	13.37	14.75
790.00	13.07	15.10
795.00	12.55	15.68
800.00	12.20	16.08
805.00	11.64	16.70
810.00	11.05	17.34
815.00	10.65	17.79
820.00	10.78	17.72
825.00	11.22	17.33
830.00	11.55	17.05
835.00	11.71	16.94
840.00	12.31	16.40
845.00	12.93	15.83
850.00	13.34	15.47
855.00	13.50	15.36

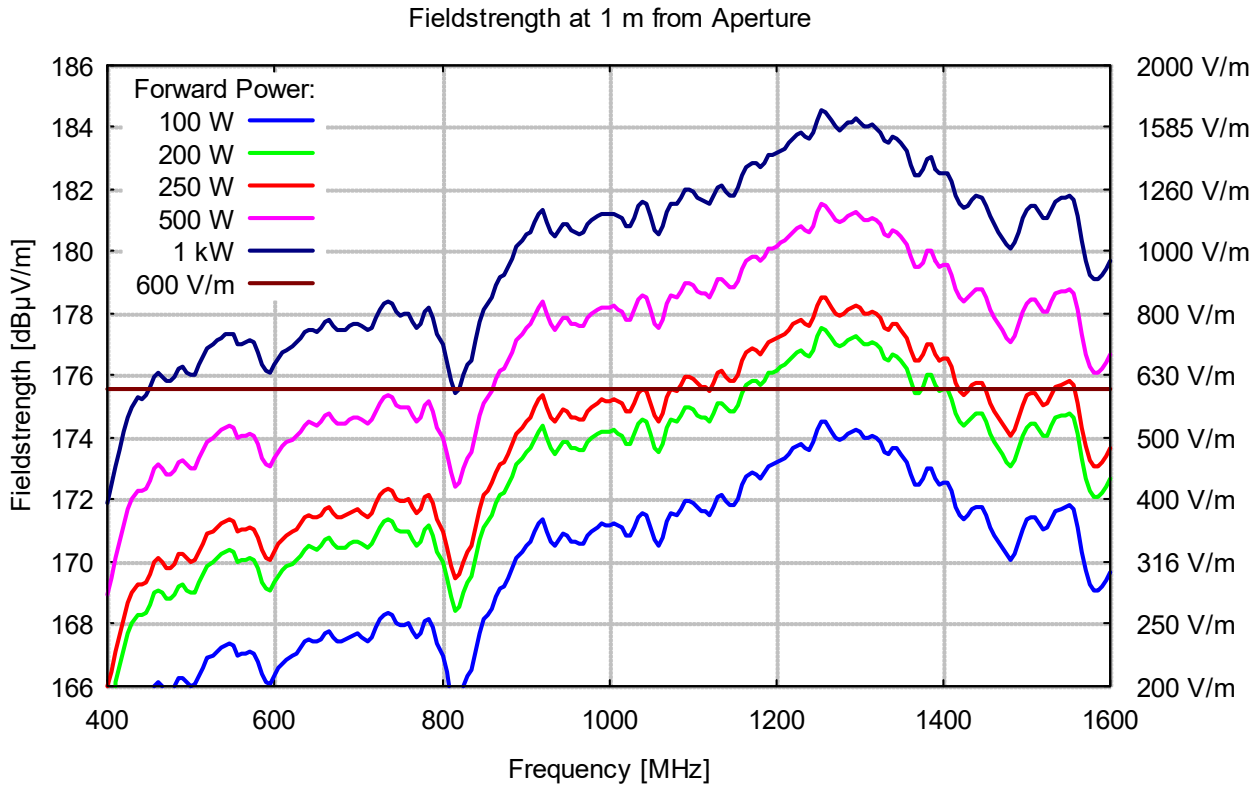
Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture
[MHz]	[dBi]	[dB/m]
860.00	13.72	15.19
865.00	14.09	14.87
870.00	14.37	14.64
875.00	14.43	14.63
880.00	14.69	14.42
885.00	14.98	14.18
890.00	15.35	13.86
895.00	15.54	13.72
900.00	15.72	13.58
905.00	15.84	13.51
910.00	16.15	13.25
915.00	16.42	13.03
920.00	16.56	12.94
925.00	16.17	13.37
930.00	15.84	13.75
935.00	15.70	13.94
940.00	15.89	13.79
945.00	16.09	13.64
950.00	16.05	13.72
955.00	15.88	13.94
960.00	15.85	14.02
965.00	15.77	14.14
970.00	15.81	14.15
975.00	16.08	13.92
980.00	16.21	13.83
985.00	16.34	13.75
990.00	16.42	13.71
995.00	16.40	13.78
1000.00	16.39	13.83
1005.00	16.44	13.82
1010.00	16.35	13.96
1015.00	16.28	14.07
1020.00	16.03	14.36
1025.00	16.02	14.41
1030.00	16.30	14.18
1035.00	16.64	13.88
1040.00	16.77	13.79
1045.00	16.71	13.89
1050.00	16.33	14.31
1055.00	15.89	14.80
1060.00	15.75	14.98
1065.00	16.01	14.76
1070.00	16.50	14.31
1075.00	16.76	14.09
1080.00	16.73	14.16
1085.00	16.92	14.01
1090.00	17.19	13.78
1095.00	17.19	13.82
1100.00	17.10	13.95
1105.00	16.94	14.15
1110.00	16.86	14.27
1115.00	16.82	14.35
1120.00	16.72	14.48

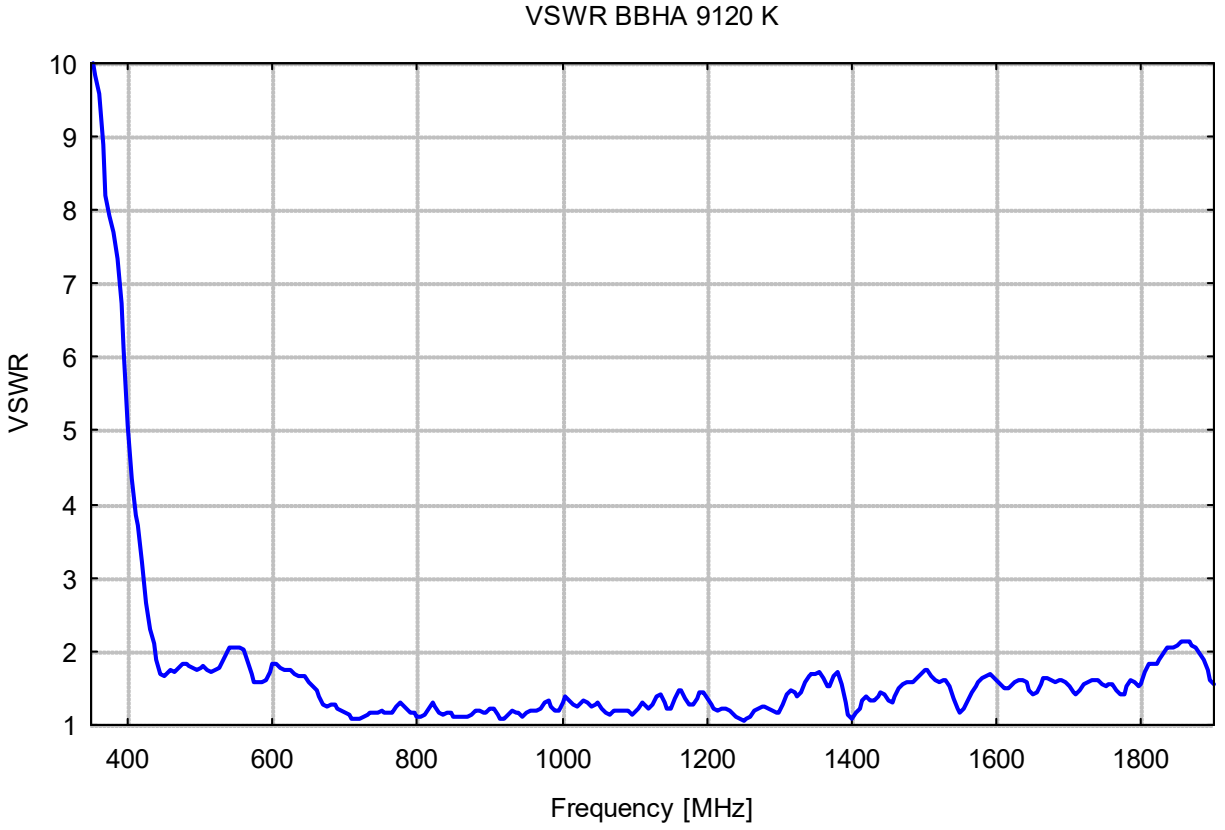
Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture
[MHz]	[dBi]	[dB/m]
1125.00	16.97	14.27
1130.00	17.29	13.99
1135.00	17.34	13.98
1140.00	17.15	14.21
1145.00	17.02	14.38
1150.00	17.03	14.40
1155.00	17.26	14.21
1160.00	17.66	13.85
1165.00	17.92	13.63
1170.00	18.06	13.52
1175.00	18.04	13.58
1180.00	17.89	13.77
1185.00	18.05	13.64
1190.00	18.28	13.45
1195.00	18.32	13.45
1200.00	18.39	13.41
1205.00	18.46	13.38
1210.00	18.53	13.35
1215.00	18.69	13.22
1220.00	18.85	13.10
1225.00	18.96	13.02
1230.00	19.02	13.00
1235.00	18.87	13.18
1240.00	18.82	13.27
1245.00	19.04	13.08
1250.00	19.45	12.71
1255.00	19.73	12.46
1260.00	19.70	12.53
1265.00	19.41	12.85
1270.00	19.20	13.10
1275.00	19.12	13.21
1280.00	19.20	13.16
1285.00	19.33	13.07
1290.00	19.39	13.04
1295.00	19.46	13.01
1300.00	19.36	13.14
1305.00	19.20	13.33
1310.00	19.22	13.35
1315.00	19.26	13.34
1320.00	19.19	13.44
1325.00	19.06	13.60
1330.00	18.74	13.96
1335.00	18.69	14.04
1340.00	18.88	13.88
1345.00	18.85	13.94
1350.00	18.68	14.15
1355.00	18.44	14.42
1360.00	18.00	14.89
1365.00	17.67	15.25
1370.00	17.67	15.28
1375.00	17.86	15.13
1380.00	18.21	14.81
1385.00	18.23	14.82

Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture
[MHz]	[dBi]	[dB/m]
1390.00	17.87	15.21
1395.00	17.69	15.42
1400.00	17.74	15.40
1405.00	17.75	15.42
1410.00	17.47	15.73
1415.00	16.99	16.25
1420.00	16.71	16.56
1425.00	16.59	16.71
1430.00	16.69	16.64
1435.00	16.87	16.49
1440.00	16.97	16.42
1445.00	16.96	16.46
1450.00	16.70	16.75
1455.00	16.32	17.16
1460.00	16.05	17.46
1465.00	15.85	17.69
1470.00	15.65	17.92
1475.00	15.43	18.17
1480.00	15.29	18.34
1485.00	15.46	18.19
1490.00	15.84	17.84
1495.00	16.26	17.45
1500.00	16.54	17.20
1505.00	16.67	17.10
1510.00	16.65	17.15
1515.00	16.46	17.37
1520.00	16.25	17.61
1525.00	16.28	17.61

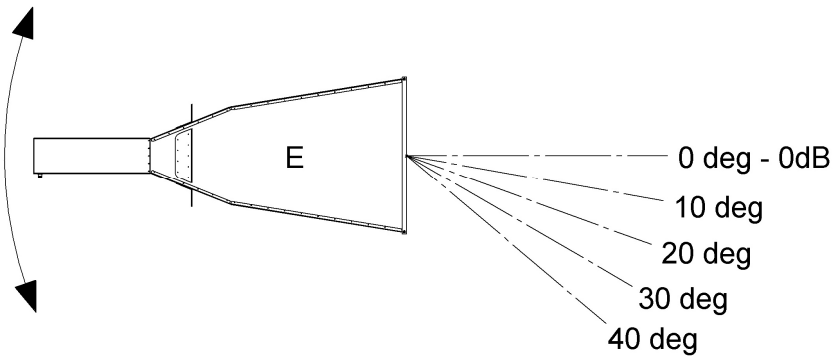
Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture
[MHz]	[dBi]	[dB/m]
1530.00	16.57	17.34
1535.00	16.82	17.12
1540.00	16.93	17.04
1545.00	16.94	17.06
1550.00	17.01	17.02
1555.00	16.87	17.18
1560.00	16.33	17.75
1565.00	15.54	18.57
1570.00	14.91	19.23
1575.00	14.47	19.70
1580.00	14.29	19.90
1585.00	14.30	19.92
1590.00	14.43	19.82
1595.00	14.62	19.66
1600.00	14.88	19.42
1605.00	15.16	19.17
1610.00	15.39	18.97
1615.00	15.55	18.83
1620.00	15.80	18.61
1625.00	15.58	18.86
1630.00	14.94	19.52
1635.00	14.04	20.45
1640.00	13.07	21.45
1645.00	12.08	22.46
1650.00	11.01	23.56



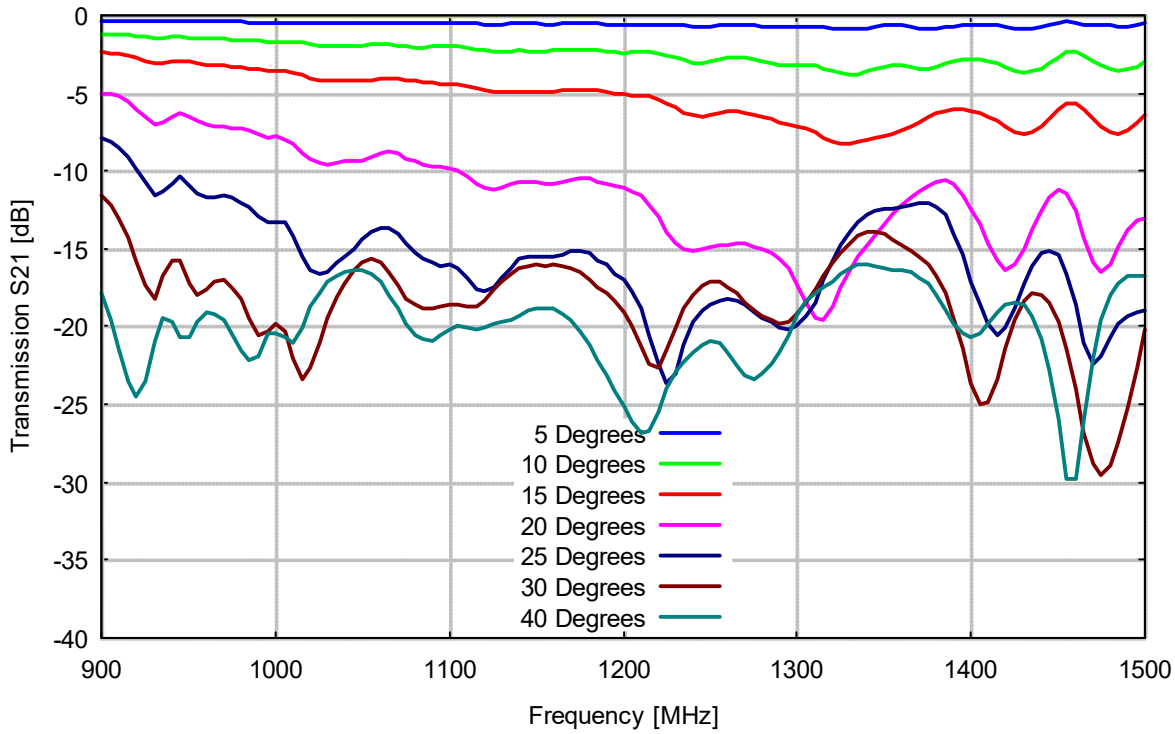




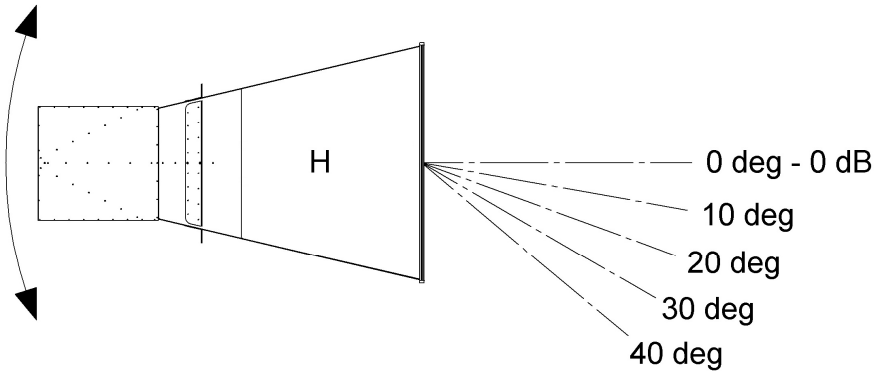
Angle Attenuation E-plane



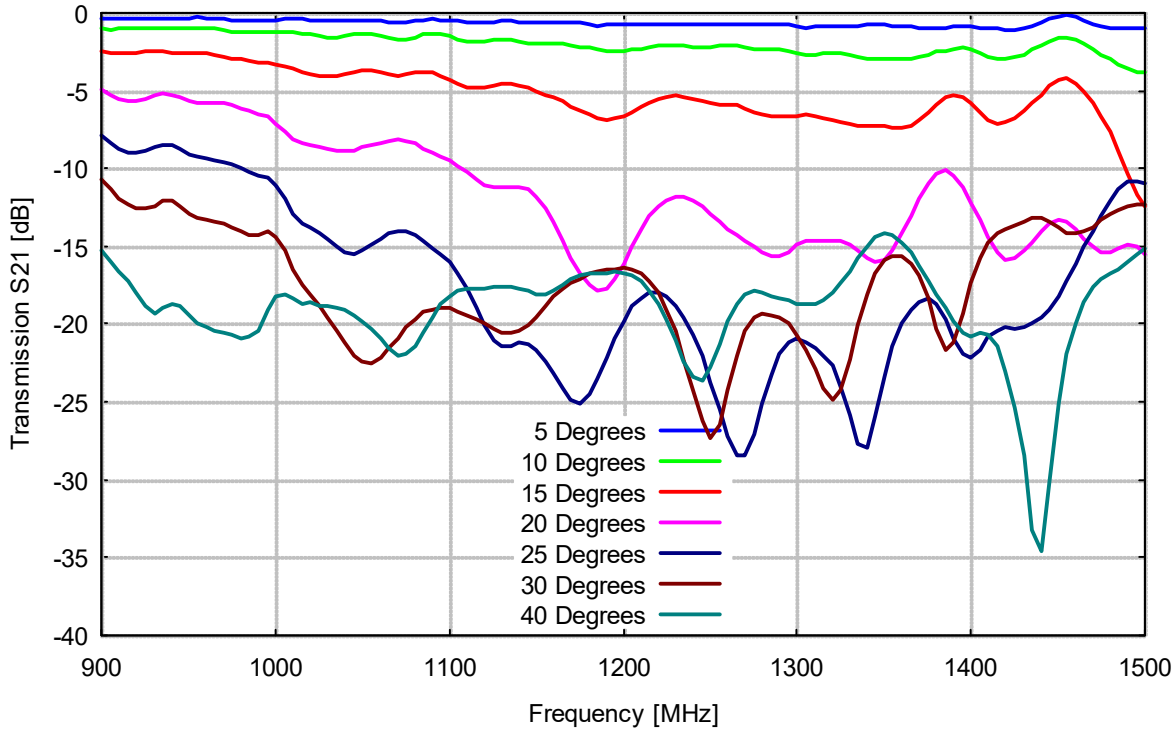
E-plane

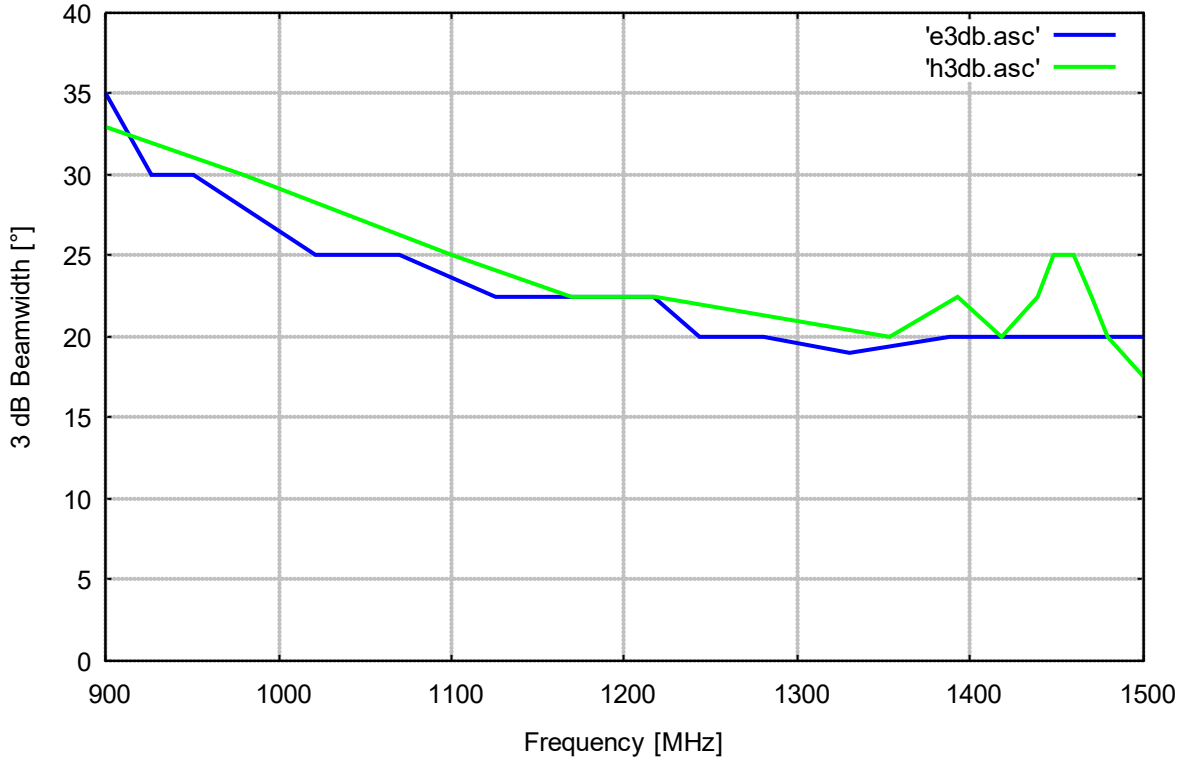


Angle Attenuation H-plane



H-plane





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