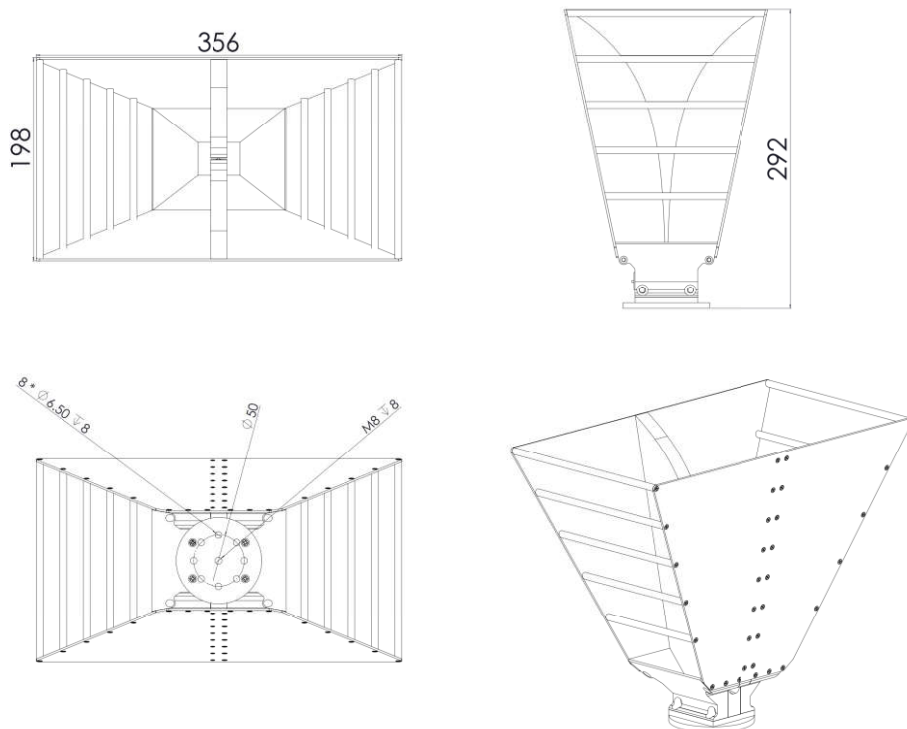


Broadband Horn Antenna *Dual Ridged Horn*



Description:

Broadband Horn Antenna for EMC/EMI
Gain Test System Applications.

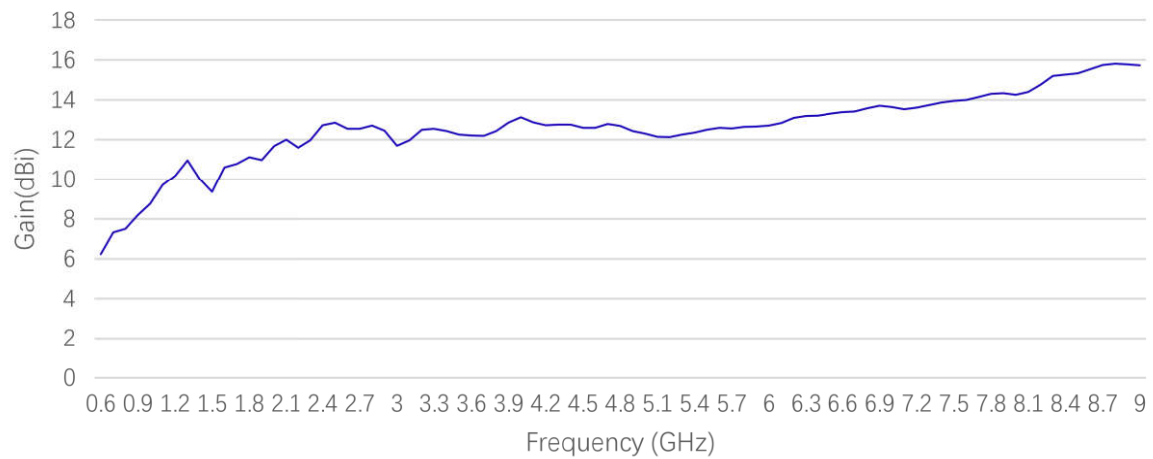
Specifications:	
Nominal Frequency Range:	600MHz...9GHz
Usable Frequency Range:	500MHz ... 10 GHz
Isotropic Gain:	7-16 dBi
Antenna Factor:	13... 26 dB/m
Nominal Impedance:	50 Ω
Standing Wave Ratio SWR typical:	≈1.5
Front to Back Ratio:	> 25 dB
Cross Polarisation:	> 25dB (600MHz...9GHz)
3 dB Beamwidth typ. (E-Plane):	107°-30°
3 dB Beamwidth typ. (H-Plane):	69°-18°
Max. Input Power:	see diagram
N-Connector female	
Mount: Custom design	
Width x Length x Thickness:	356x 292 x 198mm
Weight:	1.62kg

Frequency GHz	Max Gain over Frequency dBi	Ant.-Factor dB/m
0.6	6.23	19.55
0.7	7.32	19.81
0.8	7.50	20.78
0.9	8.18	21.12
1	8.77	21.45
1.1	9.71	21.34
1.2	10.17	21.63
1.3	10.97	21.53
1.4	10.01	23.14
1.5	9.37	24.37
1.6	10.61	23.69
1.7	10.79	24.04
1.8	11.12	24.20
1.9	10.98	24.82
2	11.69	24.55
2.1	12.00	24.66
2.2	11.59	25.47
2.3	11.97	25.48
2.4	12.72	25.10
2.5	12.86	25.32
2.6	12.55	25.97
2.7	12.55	26.30
2.8	12.71	26.45
2.9	12.46	27.01
3	11.71	28.06
3.1	11.97	28.08
3.2	12.51	27.82
3.3	12.55	28.04
3.4	12.44	28.41
3.5	12.26	28.84
3.6	12.21	29.14
3.7	12.21	29.38
3.8	12.45	29.37
3.9	12.85	29.19
4	13.13	29.13
4.1	12.88	29.59
4.2	12.73	29.96
4.3	12.76	30.13
4.4	12.77	30.32
4.5	12.60	30.68
4.6	12.61	30.87
4.7	12.79	30.87
4.8	12.70	31.14
4.9	12.44	31.58
5	12.32	31.88
5.1	12.15	32.22

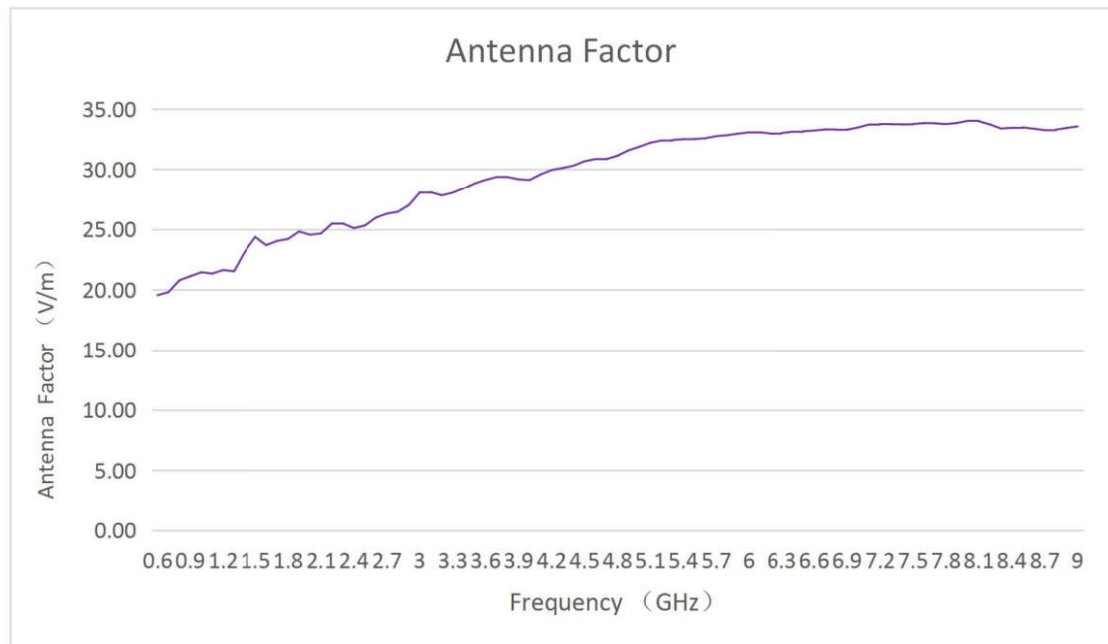
Frequency GHz	Max Gain over Frequency dBi	Ant.-Factor dB/m
5.2	12.14	32.40
5.3	12.26	32.44
5.4	12.35	32.51
5.5	12.51	32.52
5.6	12.60	32.59
5.7	12.57	32.76
5.8	12.65	32.84
5.9	12.67	32.97
6	12.71	33.08
6.1	12.84	33.08
6.2	13.10	32.97
6.3	13.20	33.01
6.4	13.22	33.13
6.5	13.31	33.17
6.6	13.38	33.23
6.7	13.43	33.32
6.8	13.58	33.29
6.9	13.70	33.29
7	13.64	33.48
7.1	13.52	33.72
7.2	13.61	33.76
7.3	13.75	33.74
7.4	13.87	33.73
7.5	13.96	33.76
7.6	14.00	33.84
7.7	14.13	33.81
7.8	14.30	33.76
7.9	14.33	33.85
8	14.26	34.03
8.1	14.40	33.99
8.2	14.77	33.73
8.3	15.21	33.39
8.4	15.26	33.45
8.5	15.32	33.49
8.6	15.53	33.38
8.7	15.75	33.26
8.8	15.81	33.30
8.9	15.77	33.44
9	15.73	33.57

*Calibration Uncertainty (k=2):
Frequency range $f < 10$ GHz*

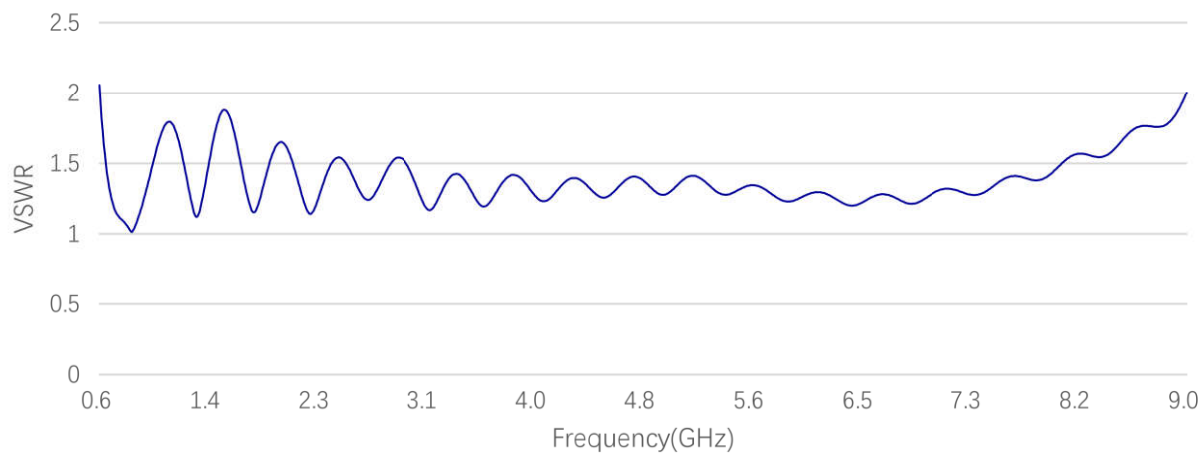
Max Gain over Frequency



Antenna Factor



VSWR



Power handling

