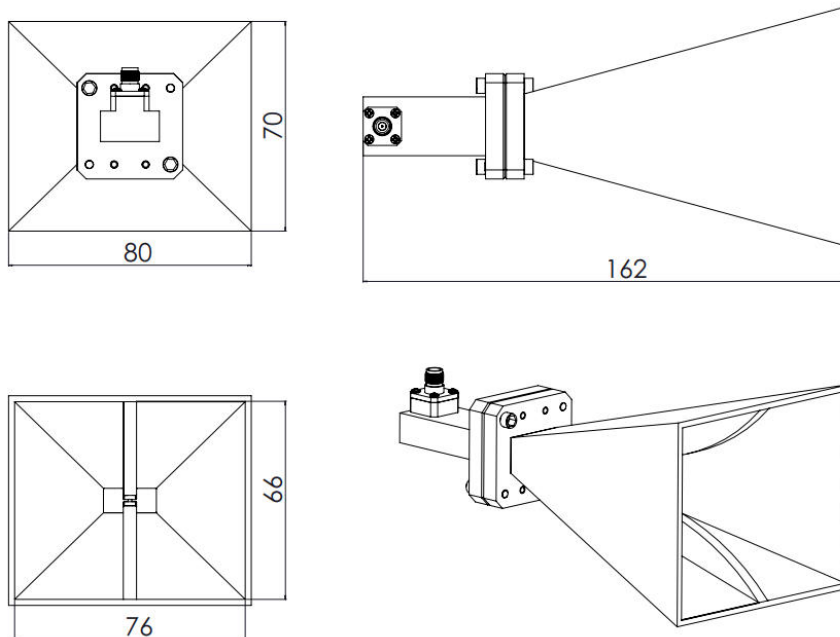


Broadband Horn Antenna *Dual Ridged Horn*



Description:

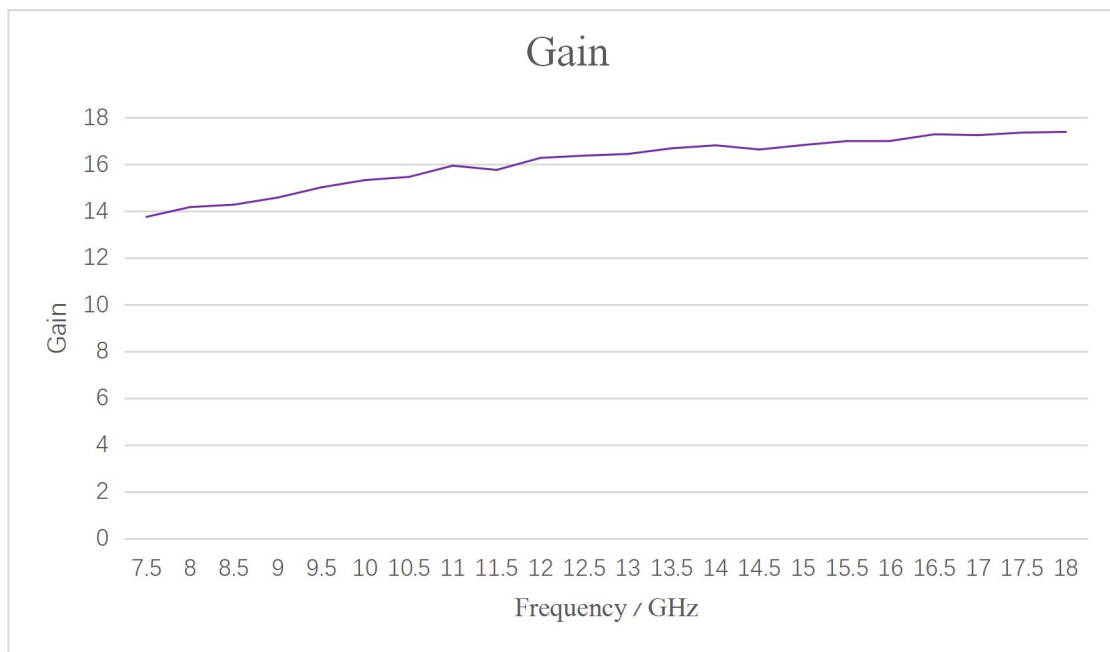
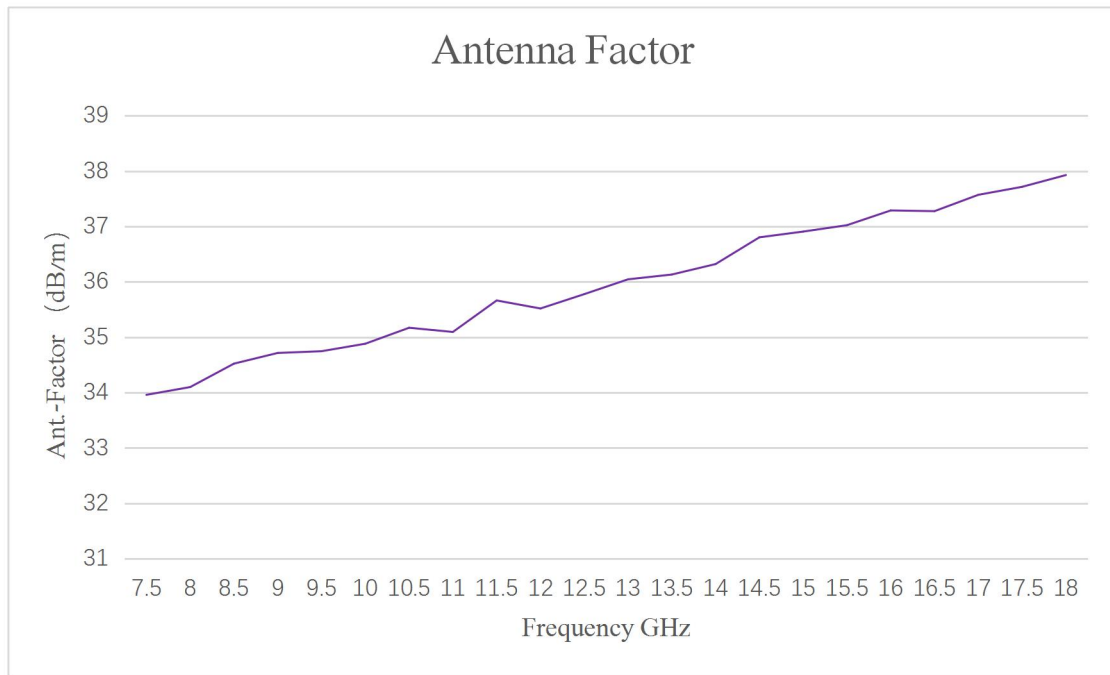
Broadband Horn Antenna for EMC/EMI
Gain Test System Applications.

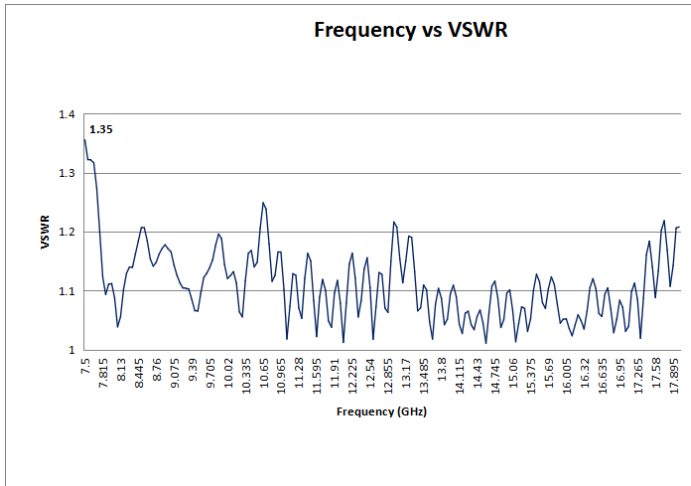
Specifications:

Nominal Frequency Range:	7.5GHz...18GHz
Usable Frequency Range:	7.5GHz ... 18 GHz
Isotropic Gain:	13-17 dBi
Antenna Factor:	33-37dB/m
Nominal Impedance:	50 Ω
Standing Wave Ratio SWR typical:	≈ 1.5
Front to Back Ratio:	> 25 dB
Cross Polarisation:	> 25dB(7.5GHz...18GHz)
3 dB Beamwidth typ. (E-Plane):	101.9°...30.2°
3 dB Beamwidth typ. (H-Plane):	70°...17.5°
Max. Input Power:	see diagram
N-Connector female	
Mount: Custom design	
Width x Length x Thickness:	70*80*162mm
Weight:	600g

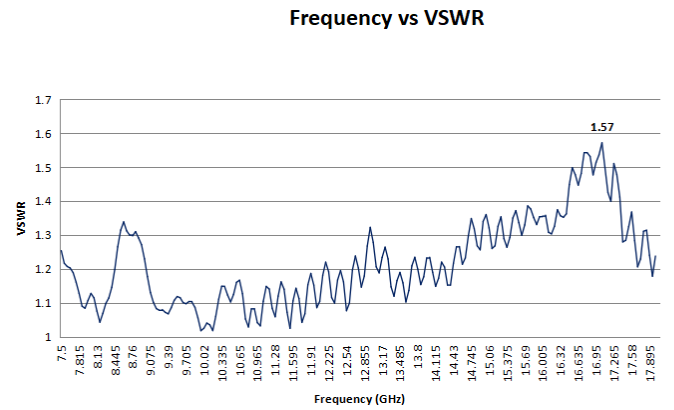
Frequency GHz	Max Gain over Frequency dBi	Ant.-Factor dB/m
7.5	13.76	33.96
8	14.18	34.10
8.5	14.29	34.52
9	14.59	34.72
9.5	15.03	34.75
10	15.34	34.88
10.5	15.47	35.17
11	15.95	35.09
11.5	15.77	35.66
12	16.29	35.52
12.5	16.38	35.78
13	16.45	36.04
13.5	16.70	36.13
14	16.82	36.32
14.5	16.64	36.80
15	16.83	36.91
15.5	17.00	37.02
16	17.01	37.29
16.5	17.29	37.28
17	17.26	37.57
17.5	17.37	37.71
18	17.40	37.93

Calibration Uncertainty (k=2):
Frequency range $f < 10$ GHz
Frequency range $10 \text{ GHz} < f < 20 \text{ GHz}$





RF-911059003



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