

Synergy Telecom P Ltd.

Broadband Horn Antenna 0.4~6GHz

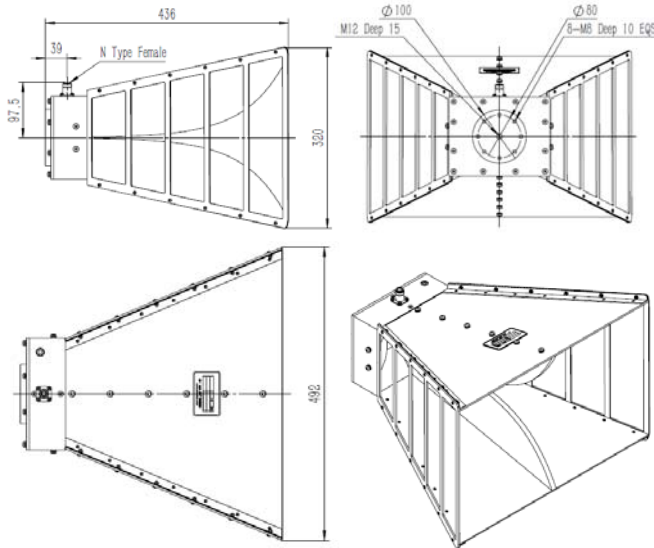


Technical Specification

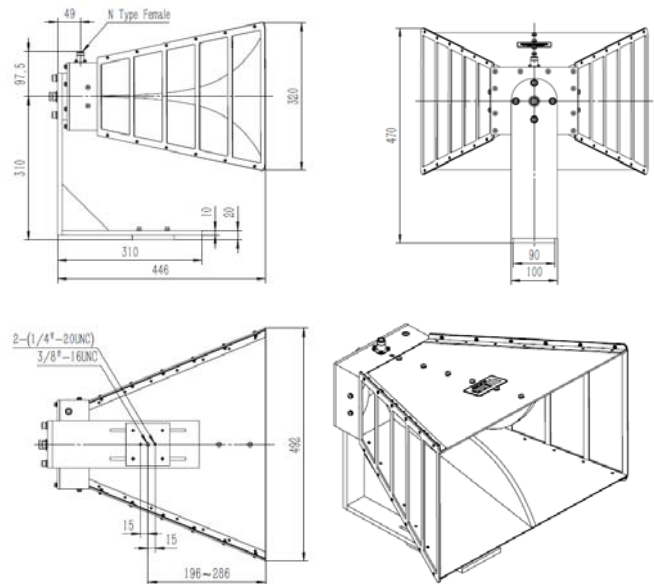
Frequency Range(GHz)	0.4-6.0
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 104 - 31 H Plane: 94 - 35
Cross Pol. Isolation(dB)	25 Typ.
VSWR	1.5:1 Typ.
Connector	N-Female
Power Handling(W) CW	500 Max
Material	Al
Size(mm)	492 x 320 x 436
Net Weight(Kg)	7.4 Around

Outline Drawing (Size: mm)

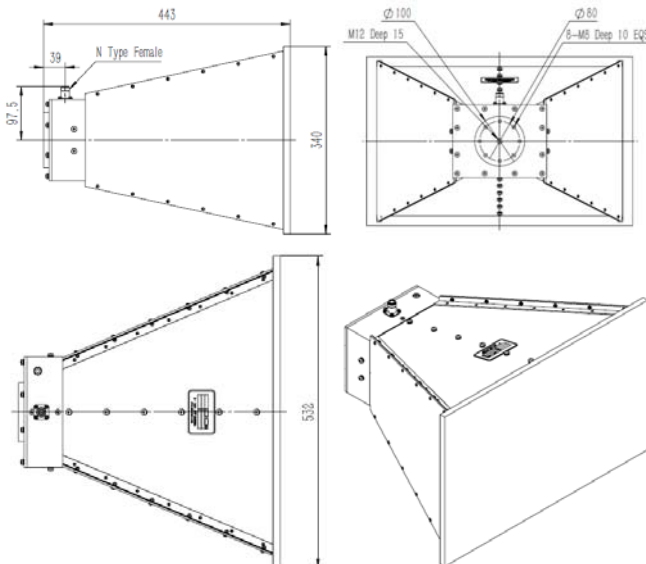
N-Female Output



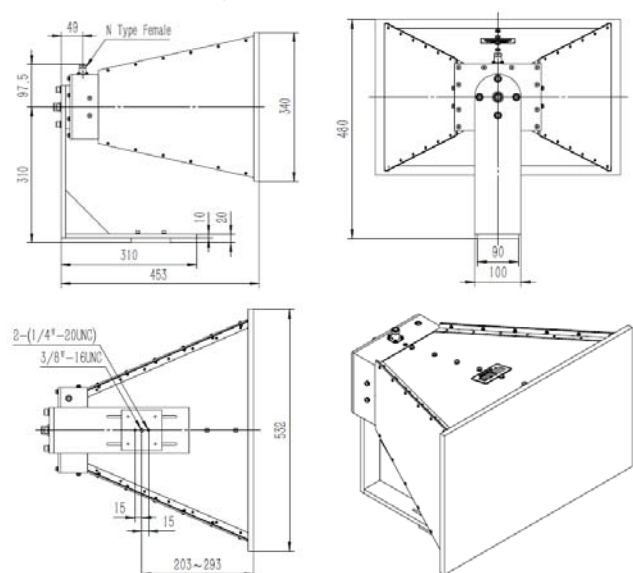
N-Female Output with L type mounting bracket



N-Female Output with Radome



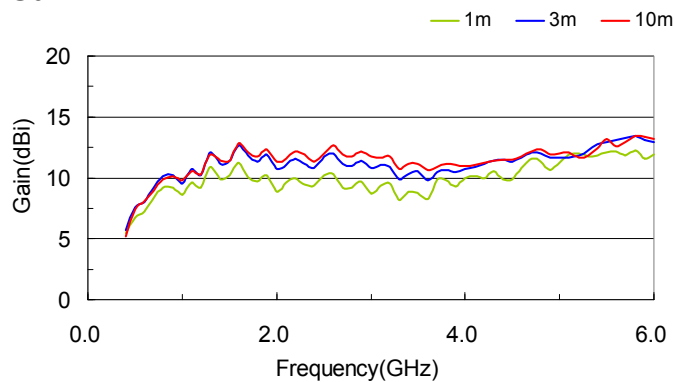
N-F Output w/ L type mounting bracket & Radome



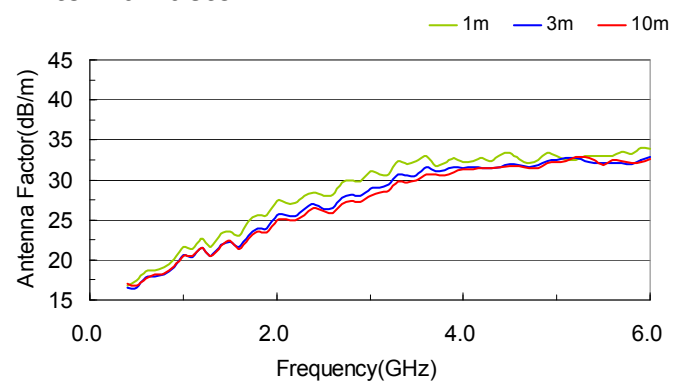
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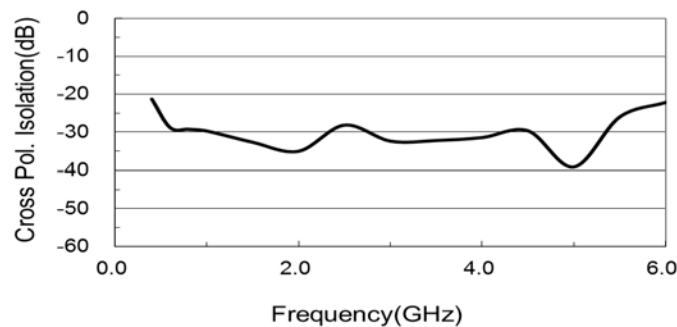
Gain



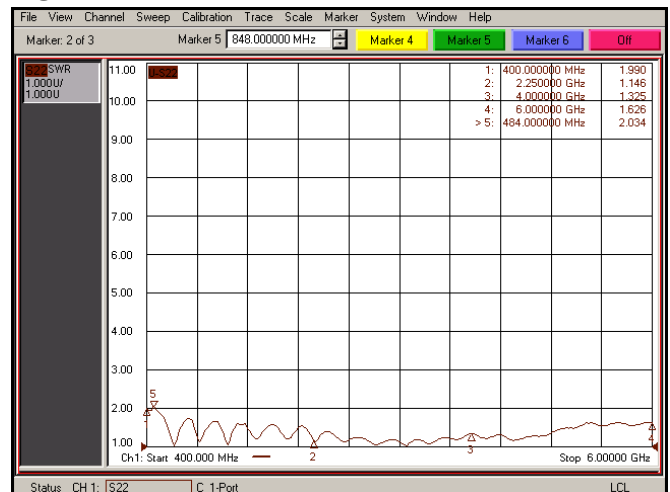
Antenna Factor



Cross Polarization Isolation

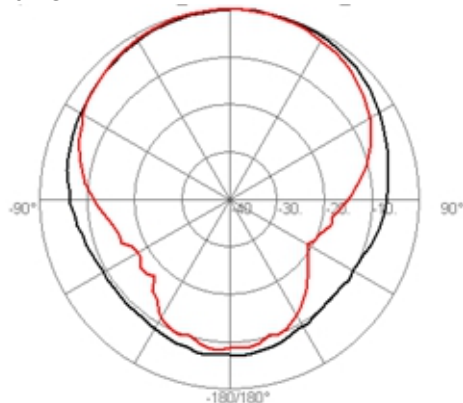


VSWR



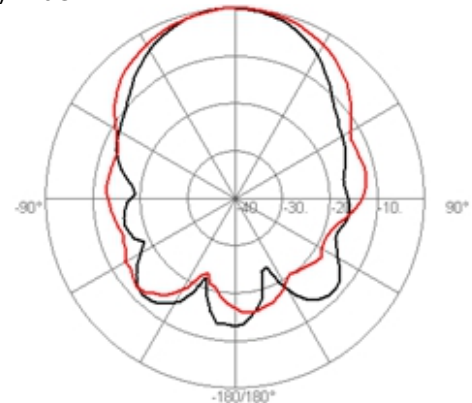
Pattern

Frequency: 0.4GHz



H-Plane 3dB Beamwidth (deg): 93.10 E-Plane 3dB Beamwidth (deg): 103.64

Frequency: 1.0GHz

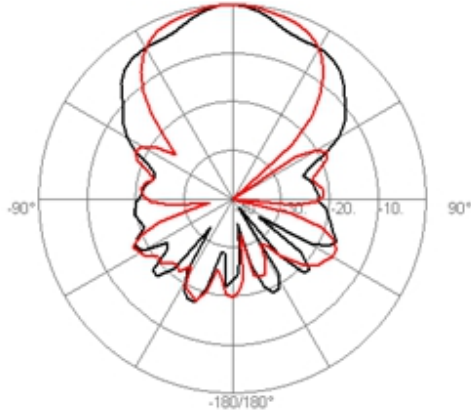


H-Plane 3dB Beamwidth (deg): 64.00 E-Plane 3dB Beamwidth (deg): 48.17

Broadband Horn Antenna 0.4~6GHz

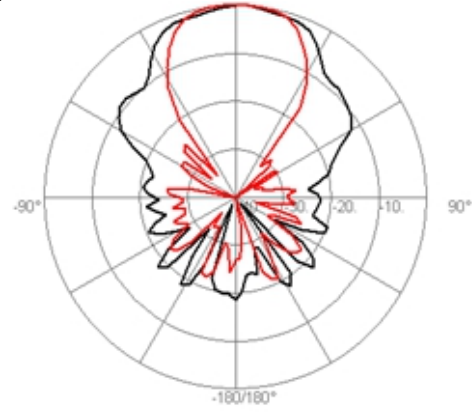
Pattern

Frequency: 2.0GHz



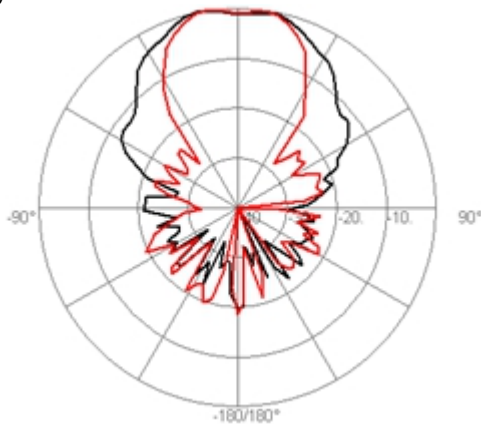
H-Plane — 3dB Beamwidth (deg): 53.02
E-Plane — 3dB Beamwidth (deg): 31.02

Frequency: 3.0GHz



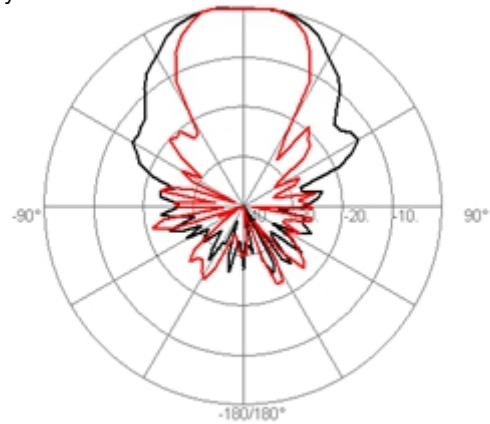
H-Plane — 3dB Beamwidth (deg): 39.80
E-Plane — 3dB Beamwidth (deg): 51.47

Frequency: 4.0GHz



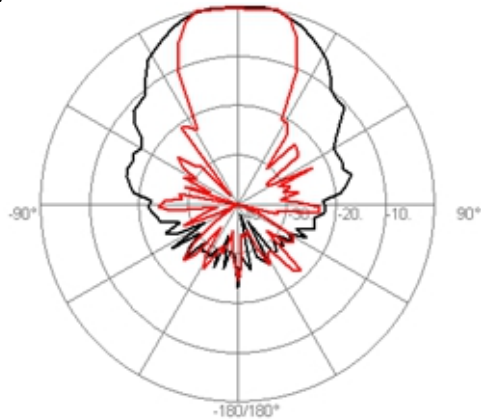
H-Plane — 3dB Beamwidth (deg): 38.55
E-Plane — 3dB Beamwidth (deg): 46.24

Frequency: 5.0GHz



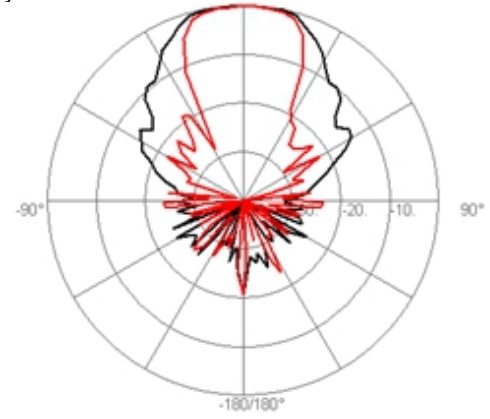
H-Plane — 3dB Beamwidth (deg): 37.87
E-Plane — 3dB Beamwidth (deg): 49.66

Frequency: 5.5GHz



H-Plane — 3dB Beamwidth (deg): 35.65
E-Plane — 3dB Beamwidth (deg): 46.38

Frequency: 6.0GHz



H-Plane — 3dB Beamwidth (deg): 36.01
E-Plane — 3dB Beamwidth (deg): 43.82