

Technical Specification



Frequency Range(GHz)	0.8 – 8.0
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 26 - 110
	H Plane: 24 - 67
Cross Pol. Isolation(dB)	30 Typ.
VSWR	1.5:1 Typ.
Connector	N-Female or SMA-Female
Power Handling(W CW)	N-Female: 300 Max.
	SMA-Female: 50 Max.
Material	Al
Size(mm)	284 x 183 x 252
Net Weight(Kg)	2.1 Around

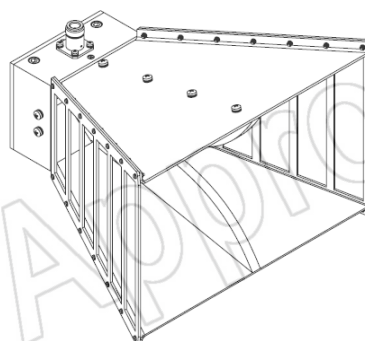
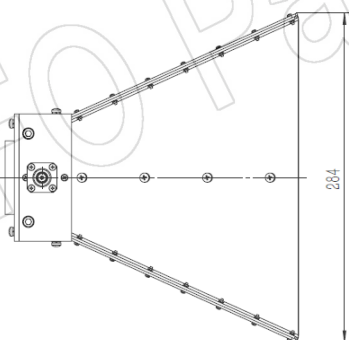
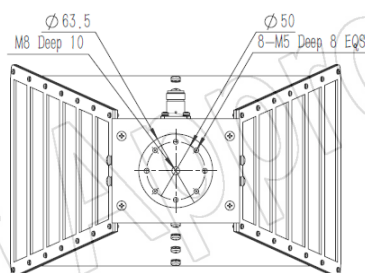
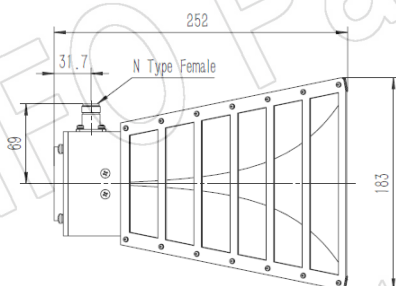
APPROVED PATENT ID:

ZL201630454657.5

Outline Drawing (Size: mm)

N-Female Output (P/N: LB-880-NF)

For SMA-Female output outline drawing, please contact A-INFO.



AINFO Inc.

China(Beijing):
China(Chengdu):
USA :

Tel: (+86) 10-6266-7326,
Tel: (+86) 28-8519-2786,
Tel: (+1) 949-639-9688,

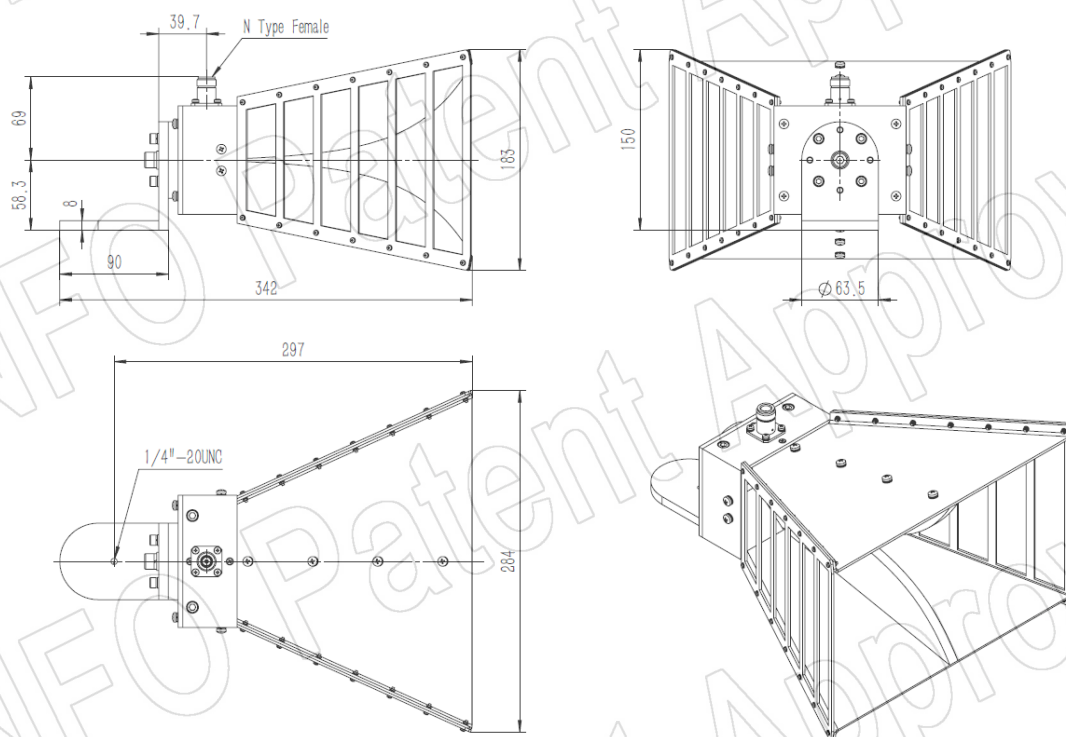
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

Fax: (+86) 10-6266-7379
Fax: (+86) 28-8519-3068
Fax: (+1) 949-639-9670

Website: www.ainfoinc.com
Email: sales@ainfoinc.com

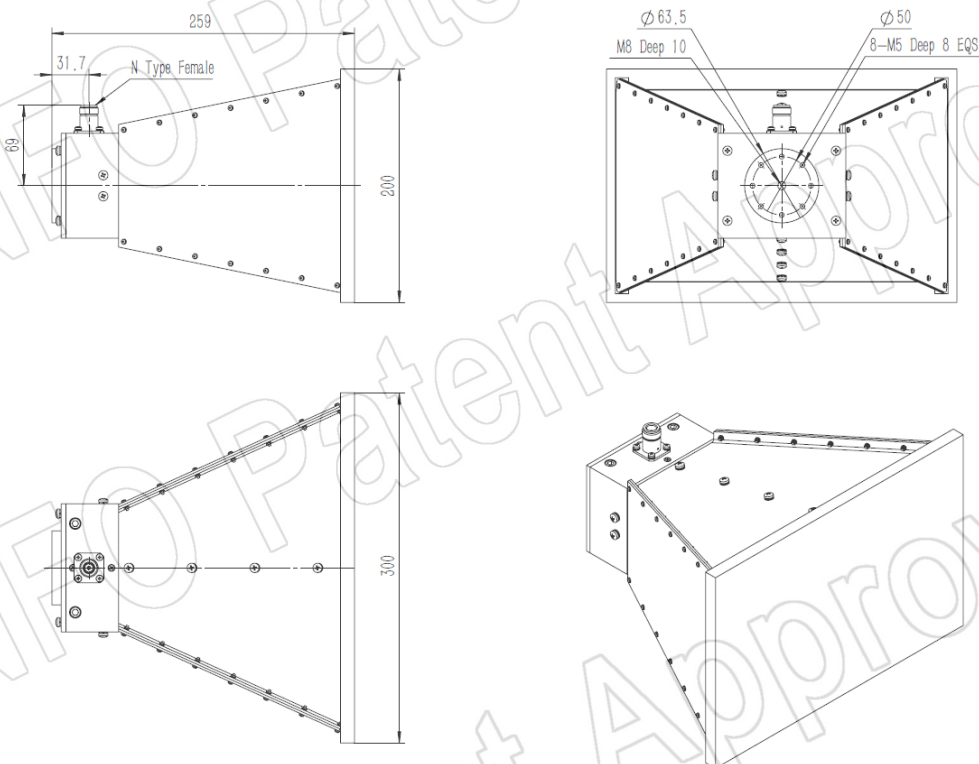
N-Female Output with L Type Mounting Bracket (Option, P/N: LB-10180-L)

For SMA-Female output outline drawing, please contact A-INFO.



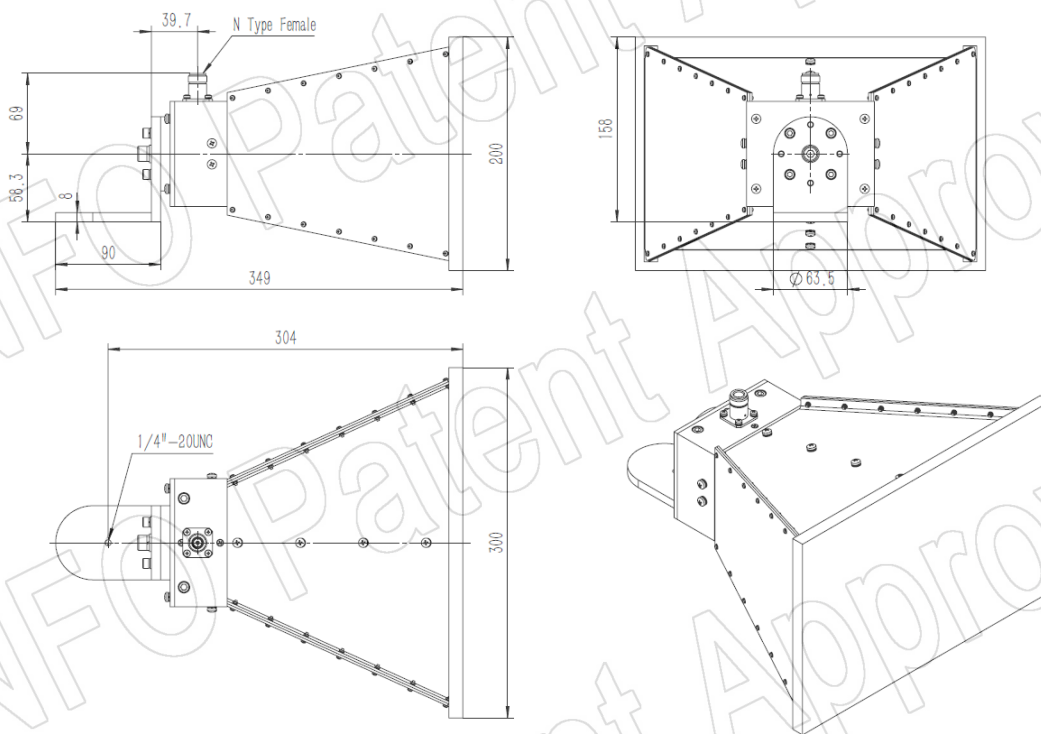
N-Female Output with Radome (Option, P/N: LB-880-NFSPO, Outdoor Application)

For SMA-Female output outline drawing, please contact A-INFO.



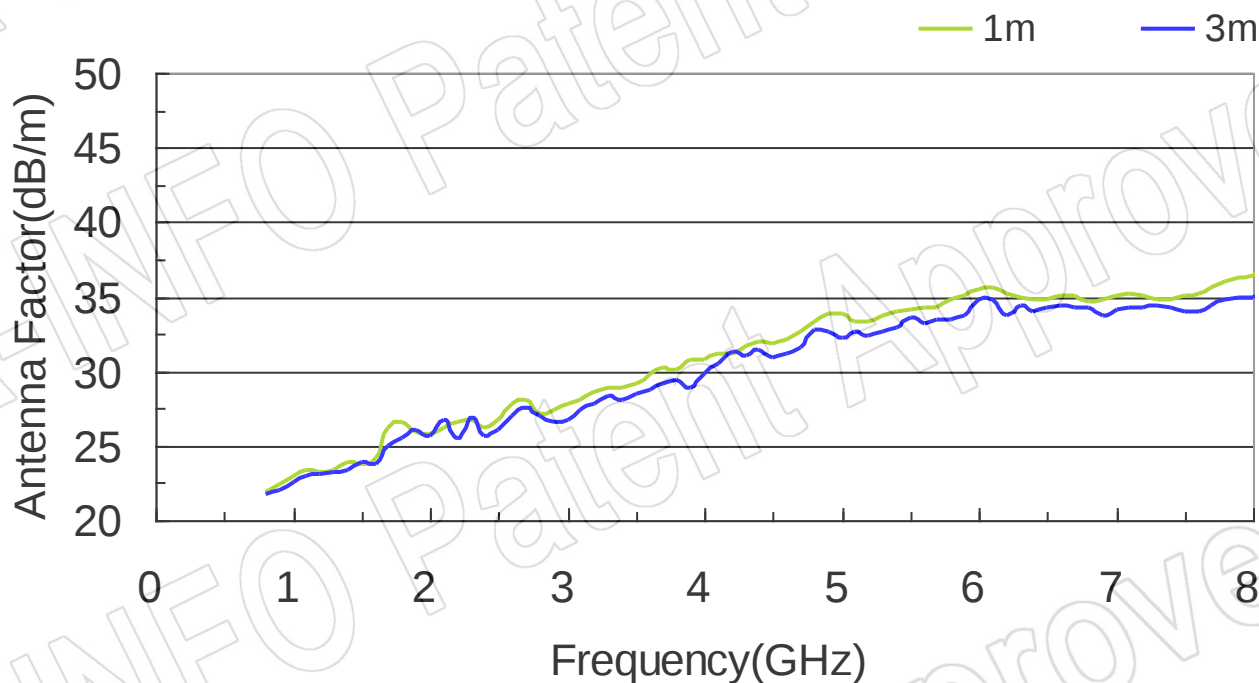
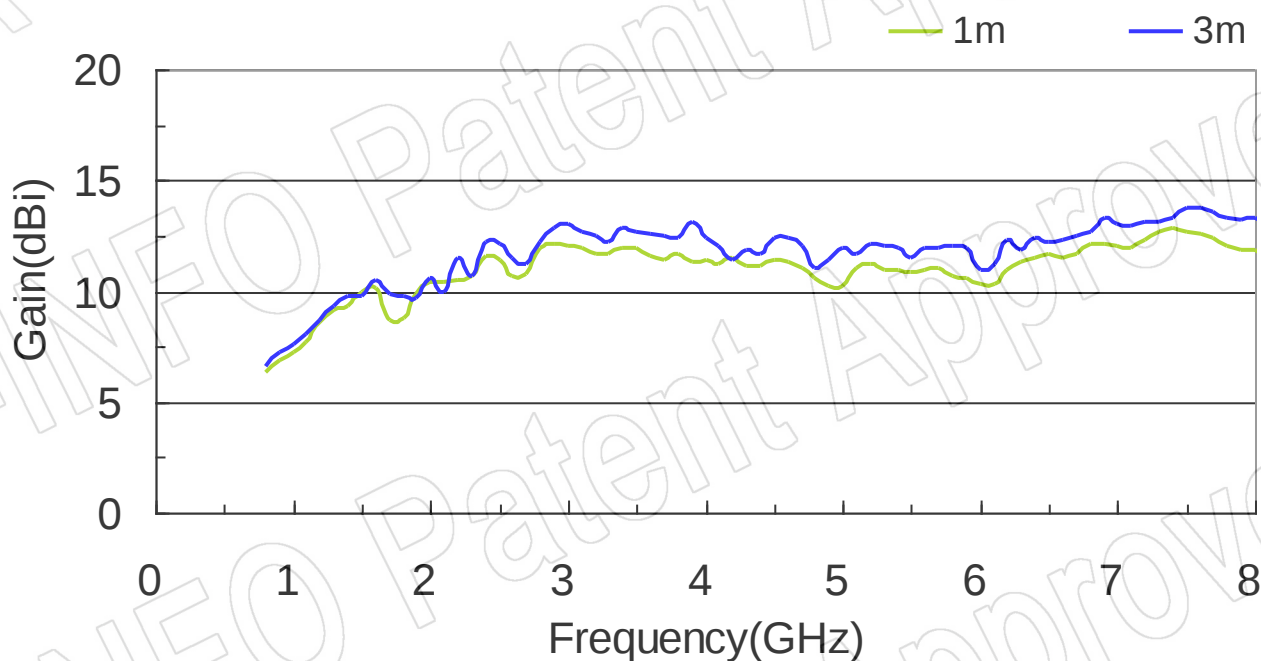
N-Female Output with L Type Mounting Bracket and Radome (Option, P/N: LB-10180-L & LB-880-NFSPO, Outdoor Application)

For SMA-Female output outline drawing, please contact A-INFO.

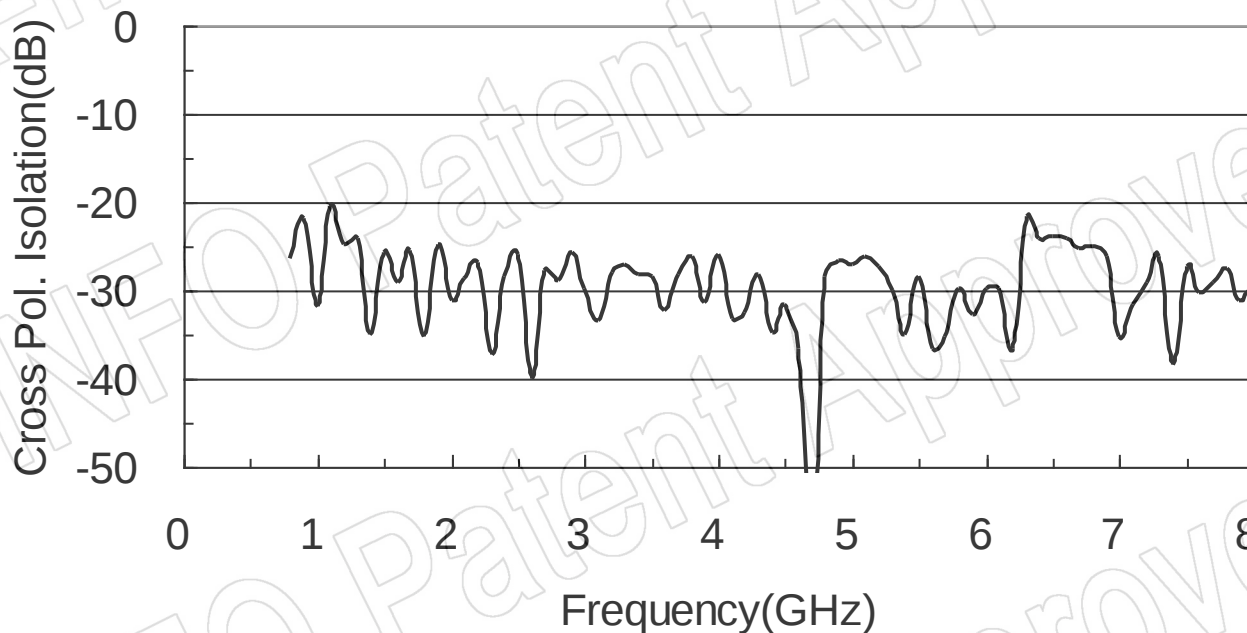


Test Results

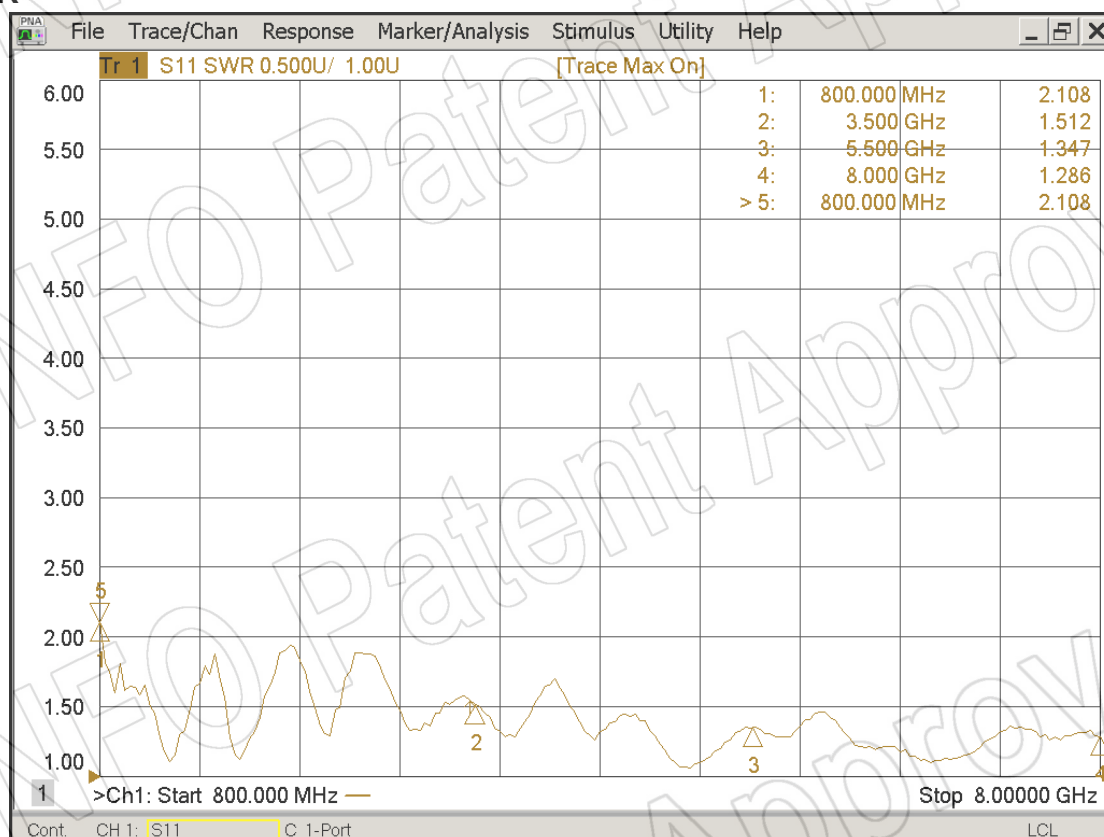
1. Gain & Antenna Factor



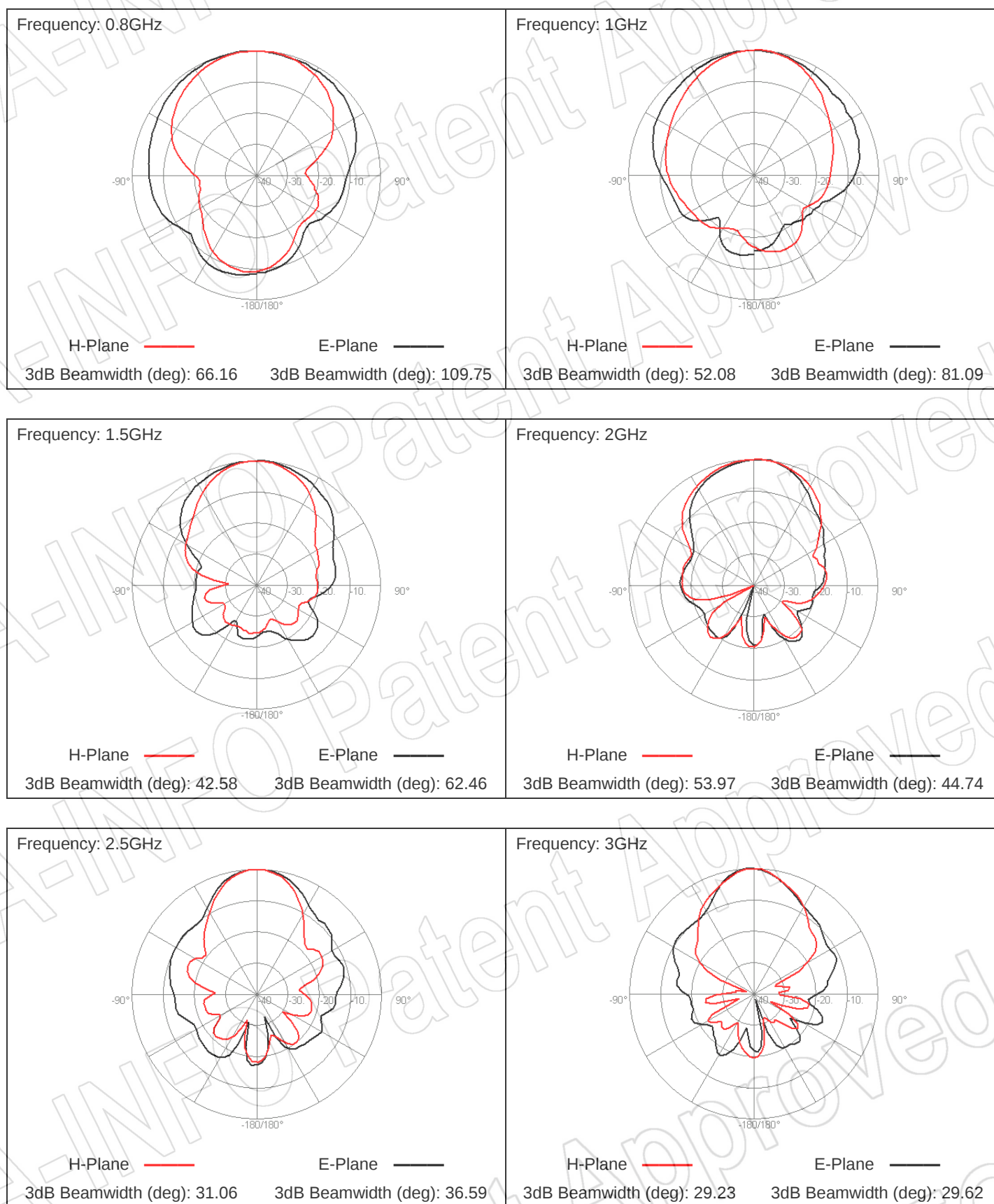
2. Cross Polarization Isolation

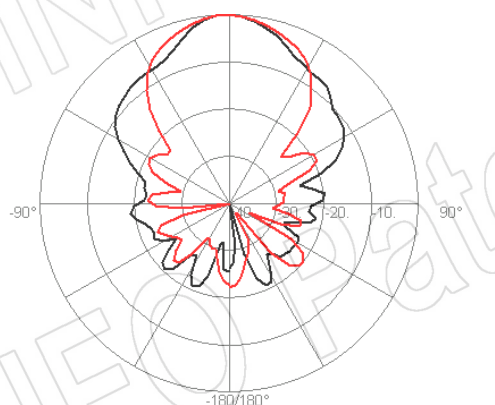
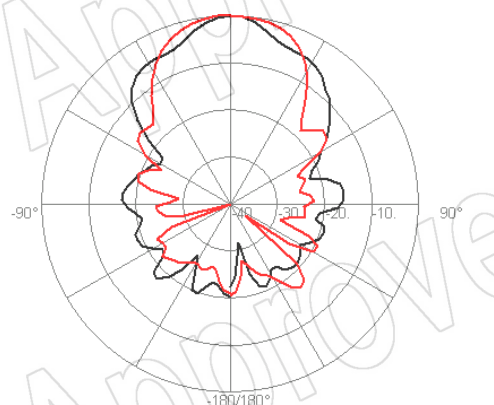
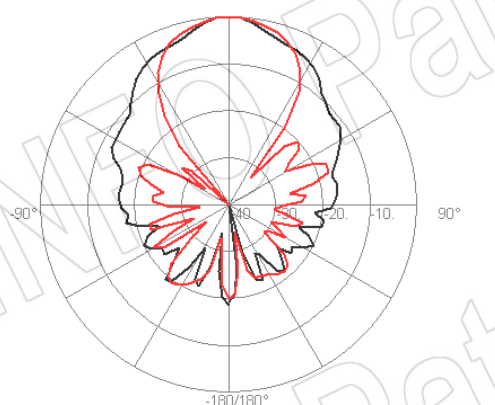
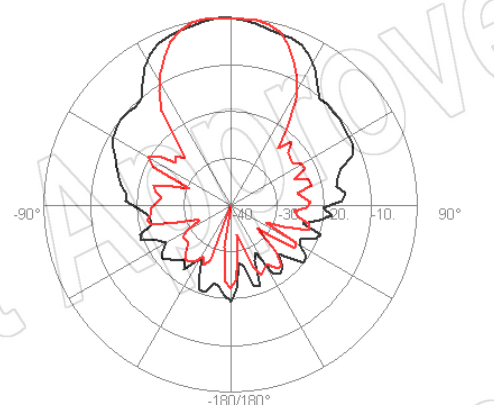
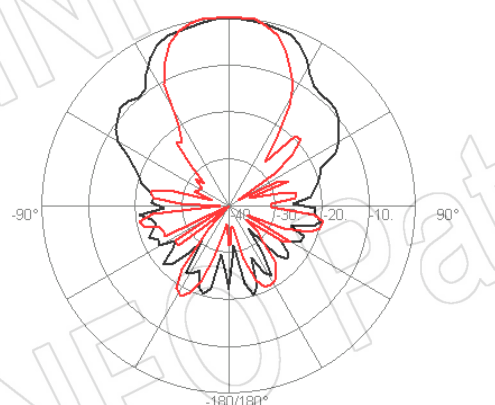
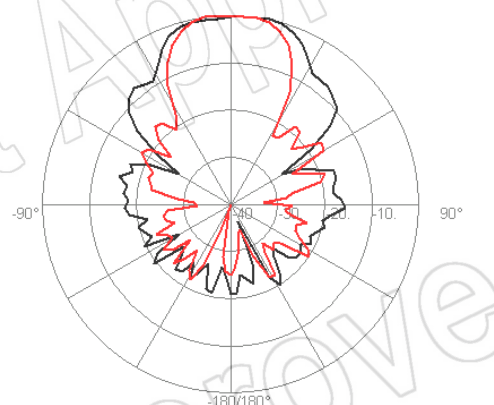


3. VSWR

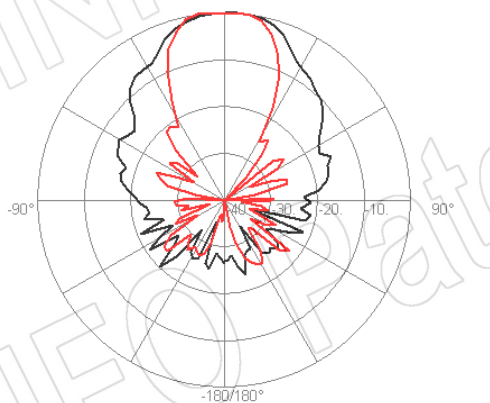


4. Pattern



Frequency: 3.5GHz

H-Plane
E-Plane
3dB Beamwidth (deg): 37.57
3dB Beamwidth (deg): 29.13
Frequency: 4GHz

H-Plane
E-Plane
3dB Beamwidth (deg): 42.50
3dB Beamwidth (deg): 26.12
Frequency: 4.5GHz

H-Plane
E-Plane
3dB Beamwidth (deg): 37.49
3dB Beamwidth (deg): 29.68
Frequency: 5GHz

H-Plane
E-Plane
3dB Beamwidth (deg): 39.18
3dB Beamwidth (deg): 52.14
Frequency: 5.5GHz

H-Plane
E-Plane
3dB Beamwidth (deg): 36.51
3dB Beamwidth (deg): 49.94
Frequency: 6GHz

H-Plane
E-Plane
3dB Beamwidth (deg): 35.72
3dB Beamwidth (deg): 46.19

Frequency: 6.5GHz



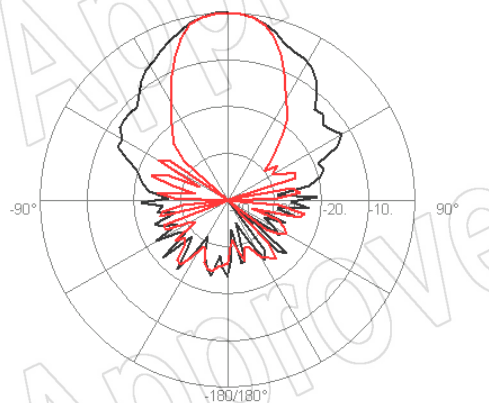
H-Plane

E-Plane

3dB Beamwidth (deg): 32.15

3dB Beamwidth (deg): 39.79

Frequency: 7GHz



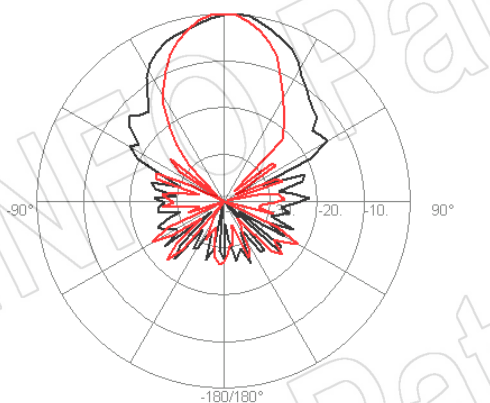
H-Plane

E-Plane

3dB Beamwidth (deg): 28.20

3dB Beamwidth (deg): 33.94

Frequency: 7.5GHz



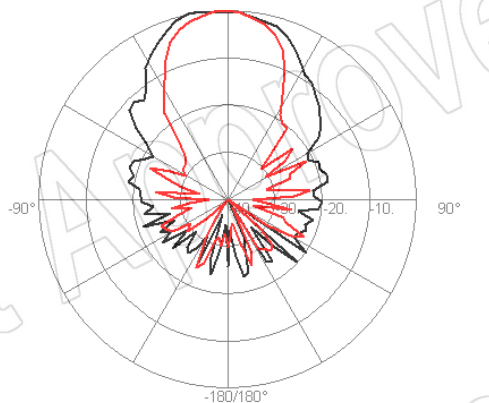
H-Plane

E-Plane

3dB Beamwidth (deg): 24.65

3dB Beamwidth (deg): 33.50

Frequency: 8GHz



H-Plane

E-Plane

3dB Beamwidth (deg): 30.79

3dB Beamwidth (deg): 40.86