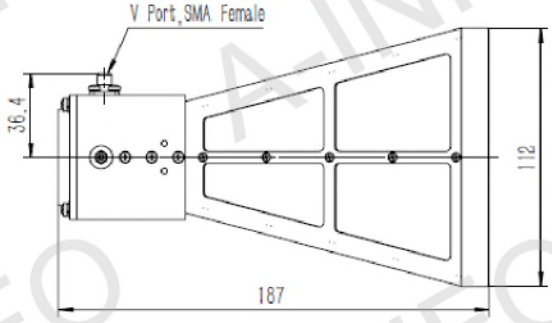
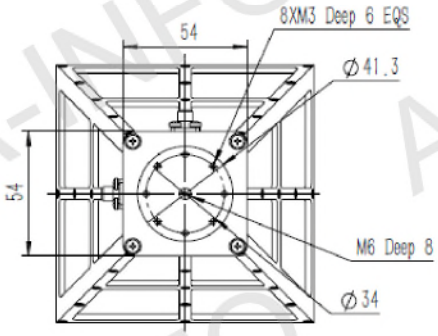
Technical Specification

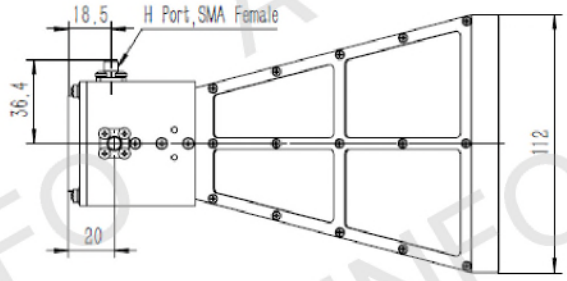
Frequency Range(GHz)	2.0 – 18.0
Gain(dBi)	15 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	71 - 9
Cross Pol. Isolation(dB)	20 Min.
Port to Port Isolation(dB)	20 Min.
VSWR	2.0:1 Typ.
	3.0:1 Max.
Output	SMA-Female
Power Handling(W)	25 Max. CW
Material	Al
Size(mm)	112 x 112 x 187
Net Weight(Kg)	0.68 Around

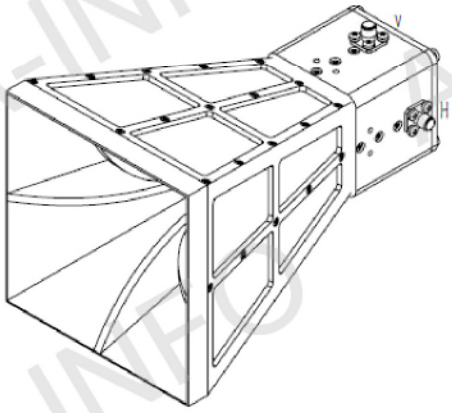
Outline Drawing (Size: mm)

SMA-Female Output

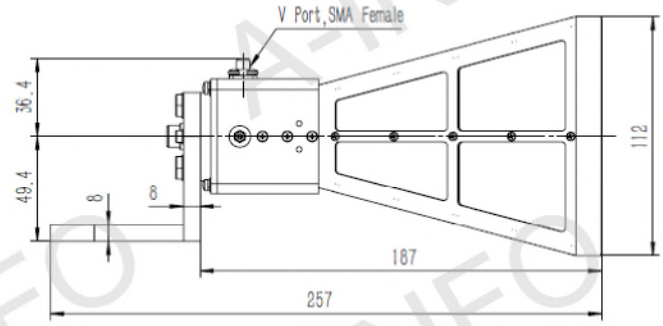


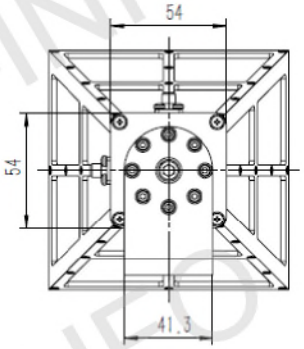


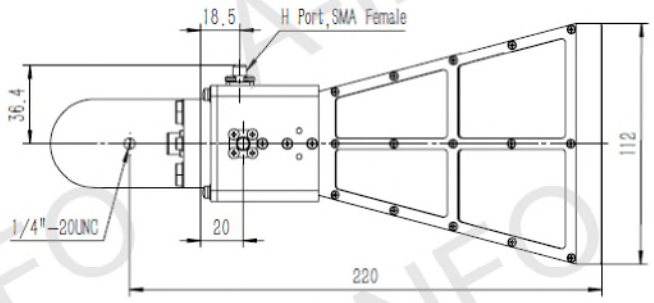


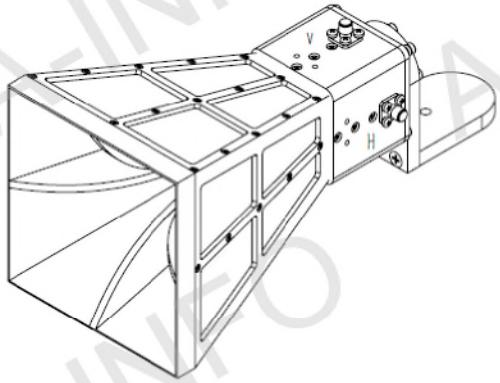


SMA-Female Output with L Type Mounting Bracket

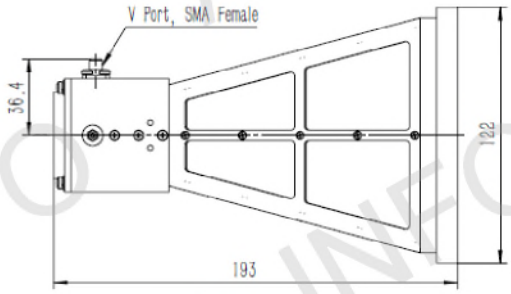


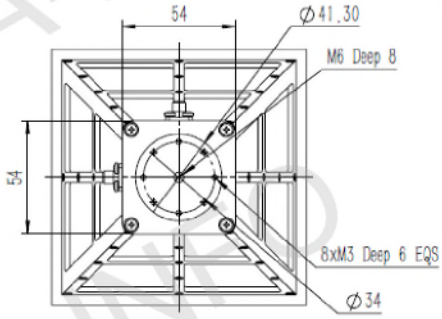


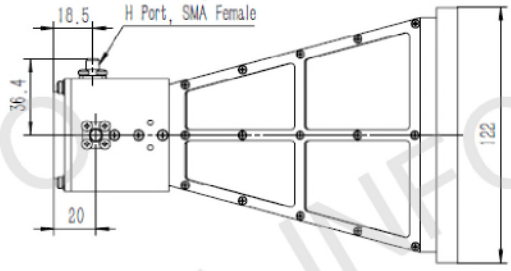


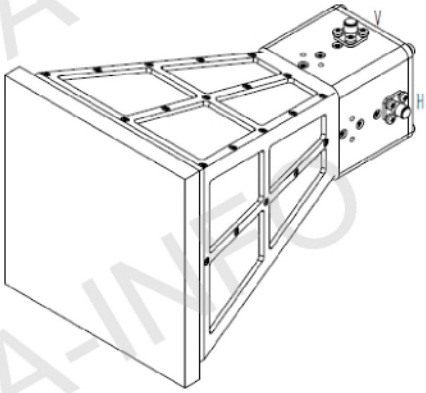


SMA-Female Output with Radome

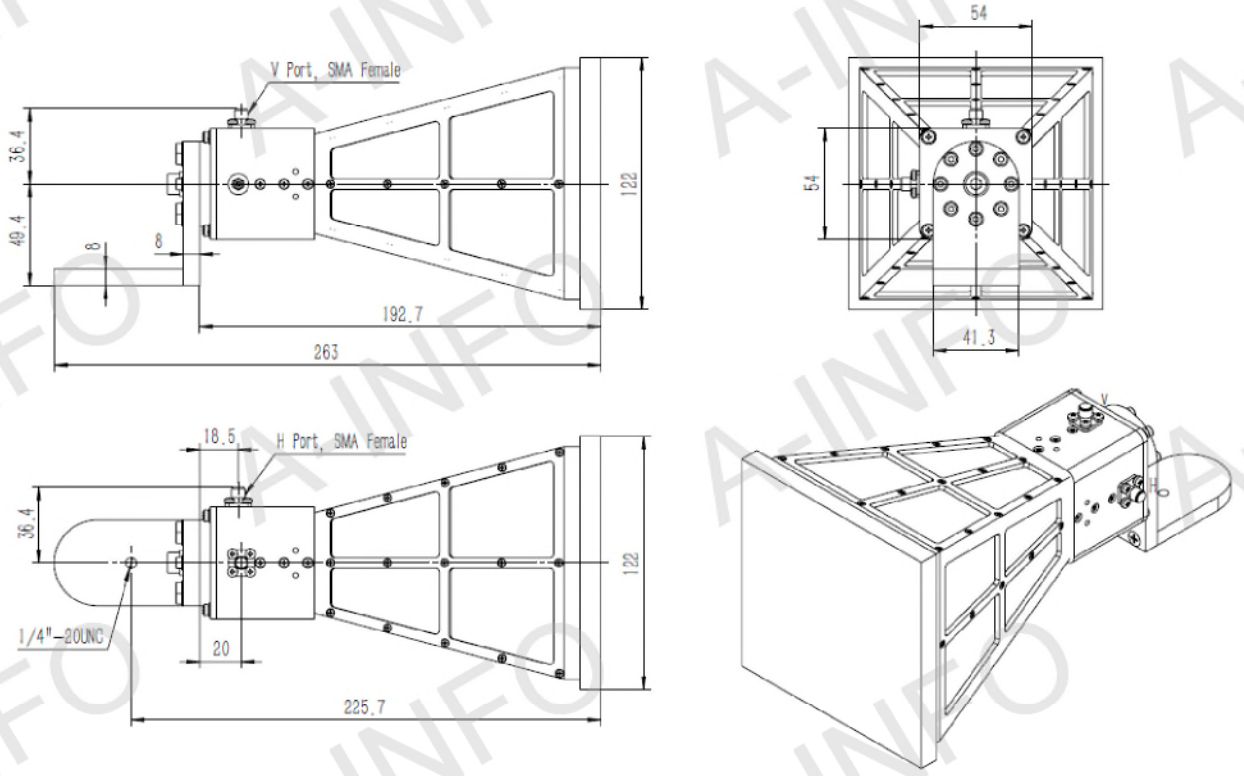






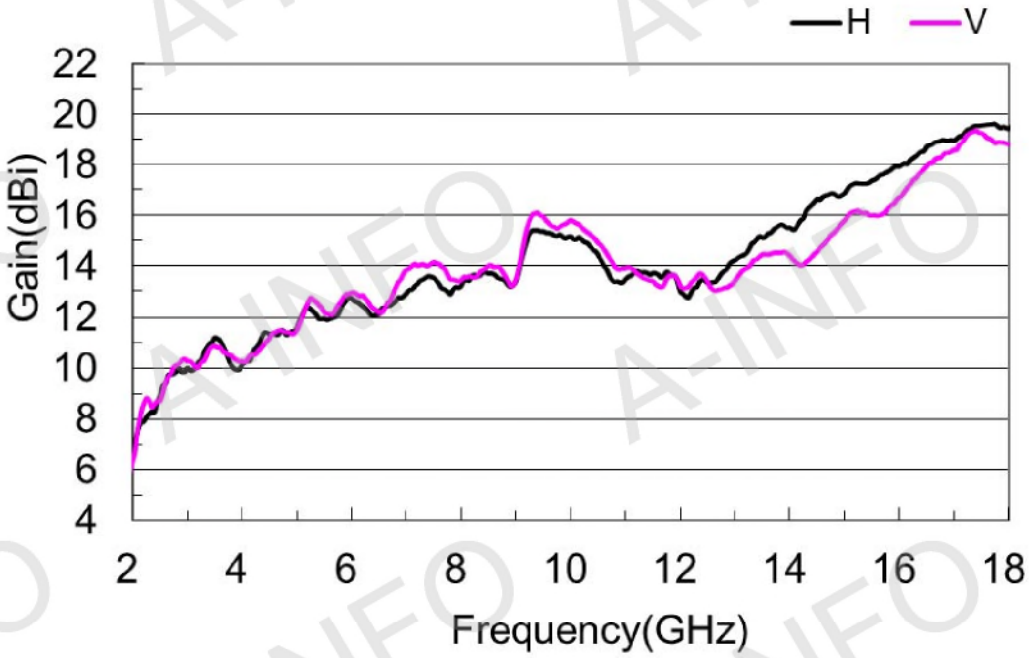


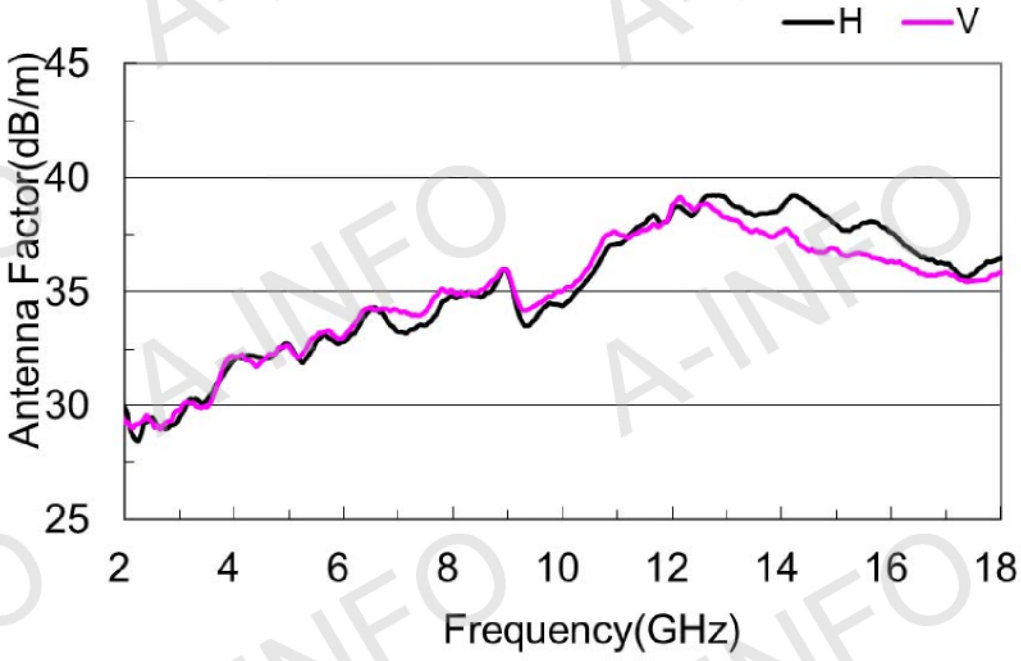
SMA-Female Output with L Type Mounting Bracket & Radome



Test Results

1. Gain and Antenna Factor





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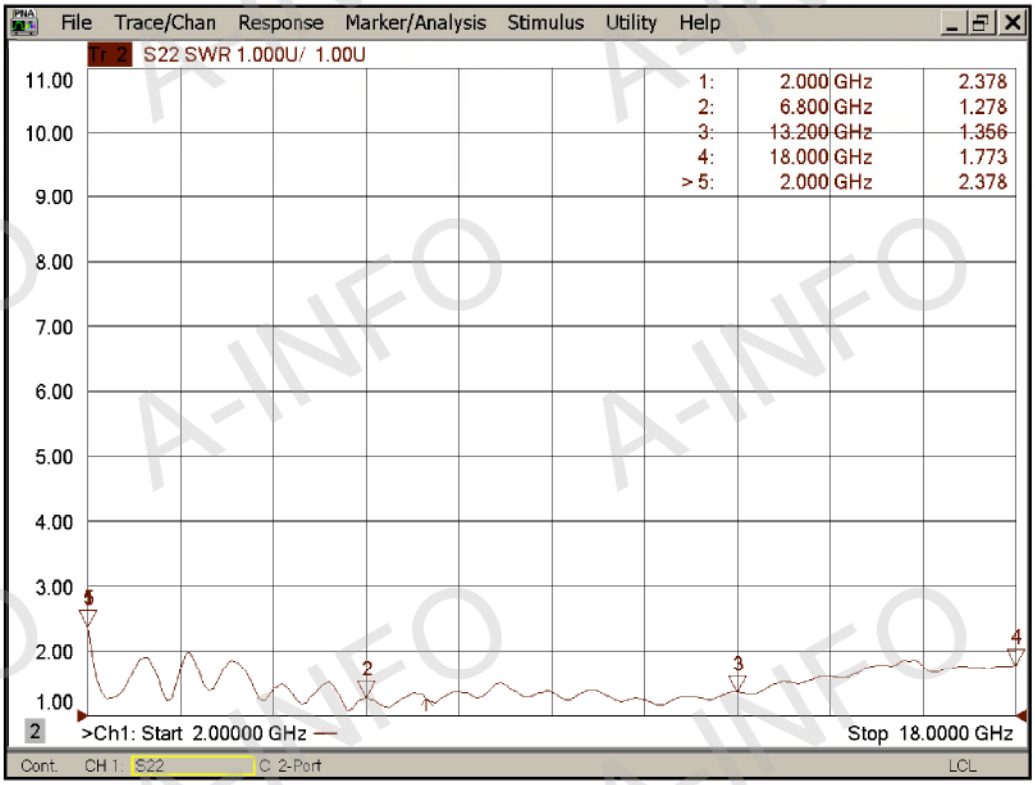
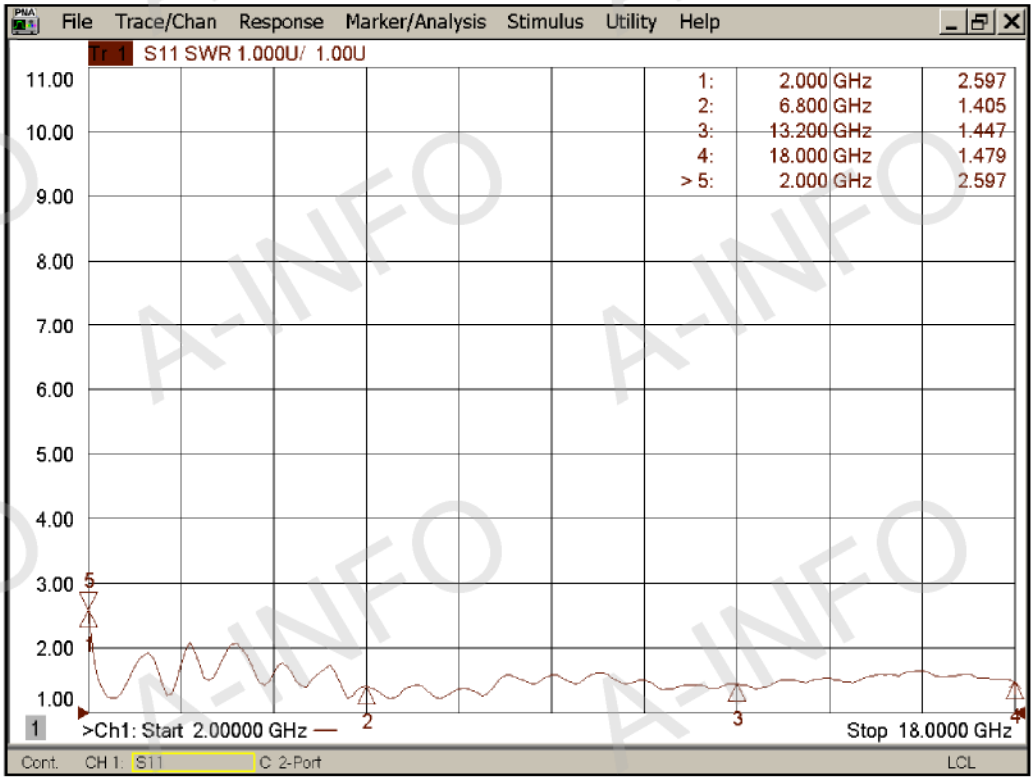
2. VSWR

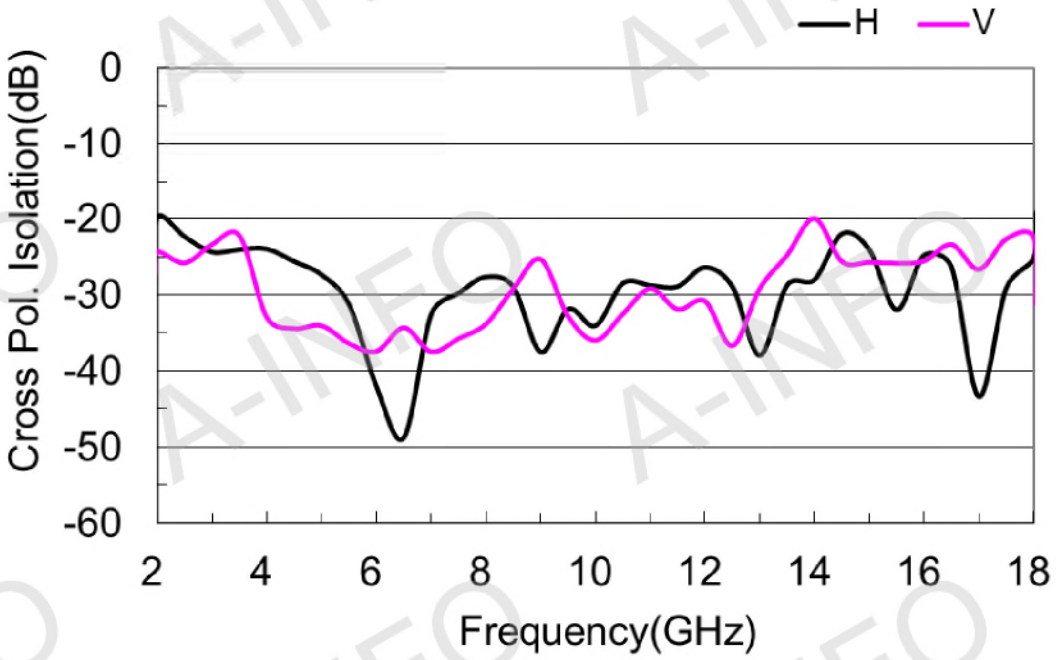
Port-V



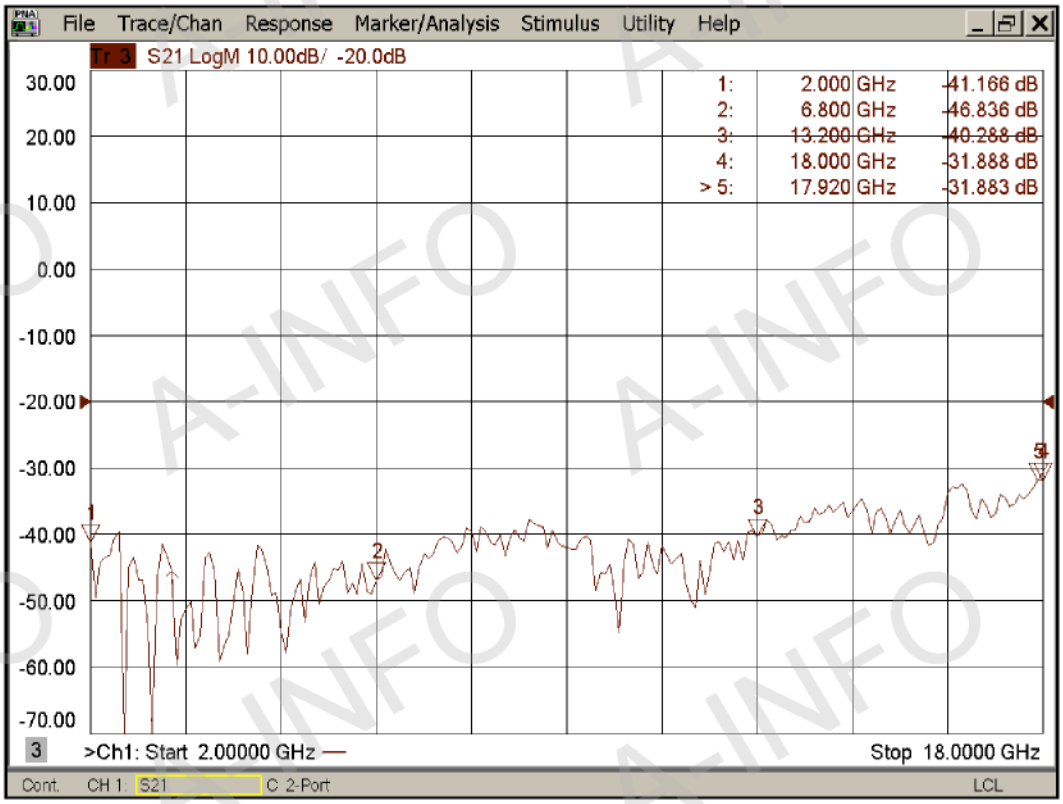
Port-H



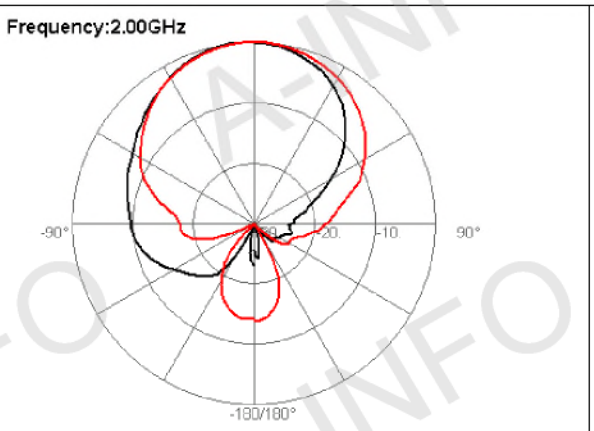
3. Cross Polarization Isolation



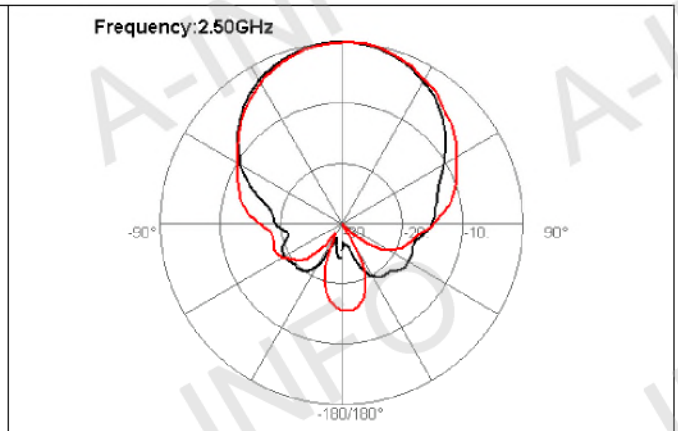
4. Port to Port Isolation



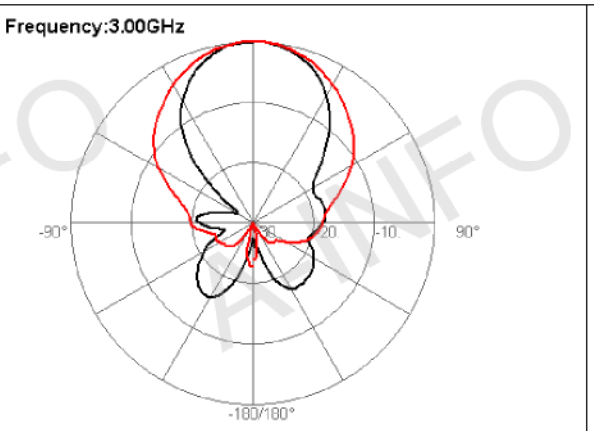
5. Pattern



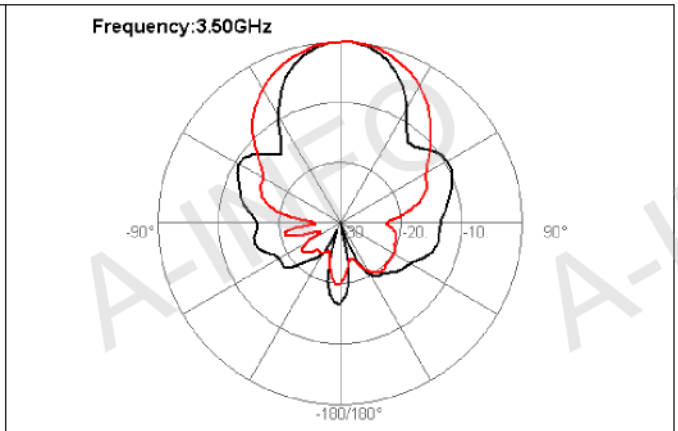
3dB Beamwidth(deg):68.41 3dB Beamwidth(deg):61.86



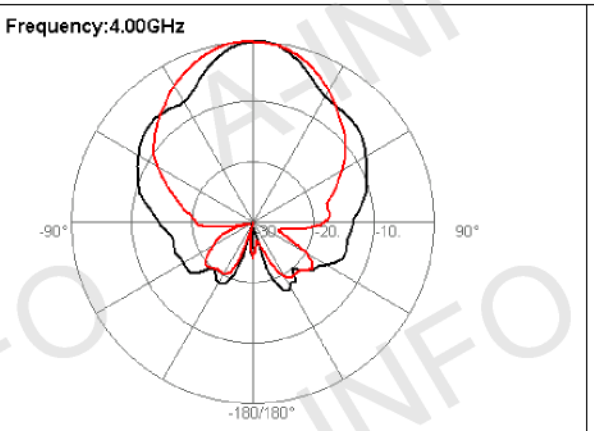
3dB Beamwidth(deg):62.17 3dB Beamwidth(deg):62.19



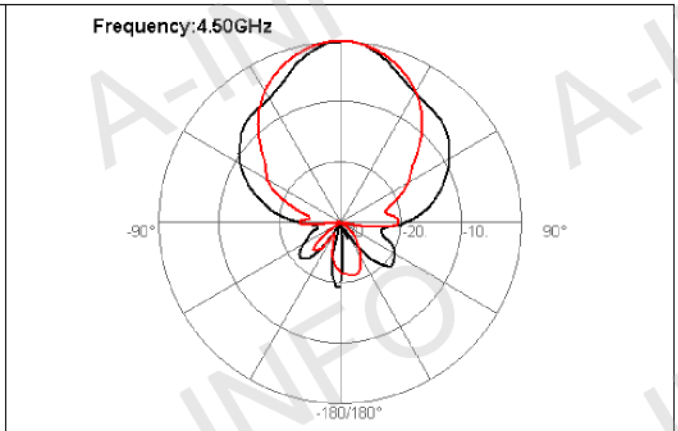
3dB Beamwidth(deg):53.66 3dB Beamwidth(deg):42.43



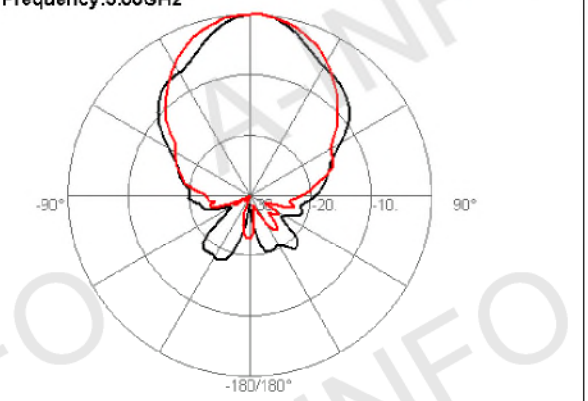
3dB Beamwidth(deg):50.60 3dB Beamwidth(deg):35.89



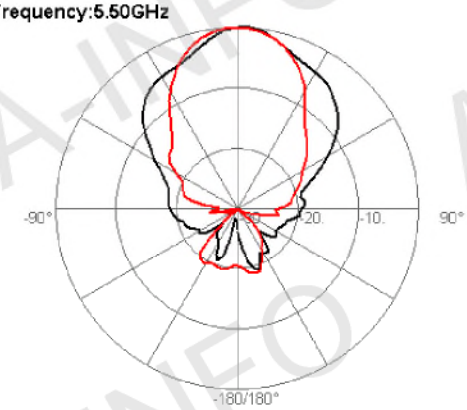
3dB Beamwidth(deg):48.61 3dB Beamwidth(deg):33.49



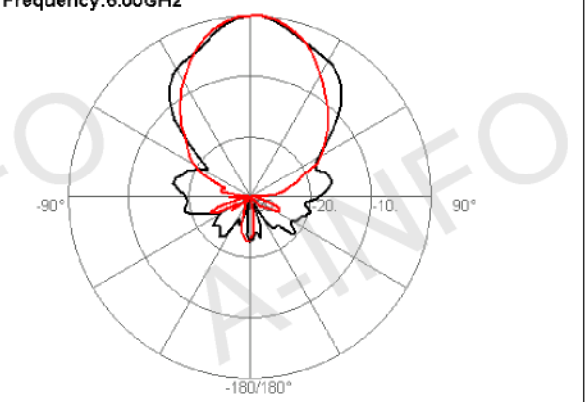
3dB Beamwidth(deg):45.54 3dB Beamwidth(deg):35.37



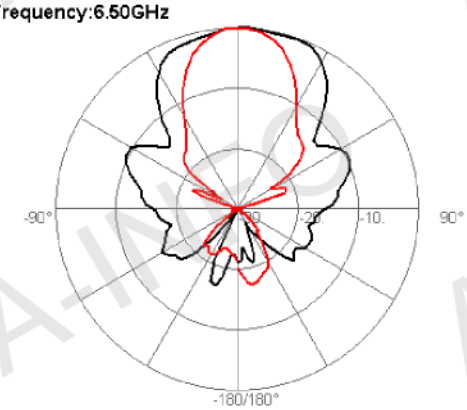
H-Plane 3dB Beamwidth(deg):46.61
E-Plane 3dB Beamwidth(deg):33.25



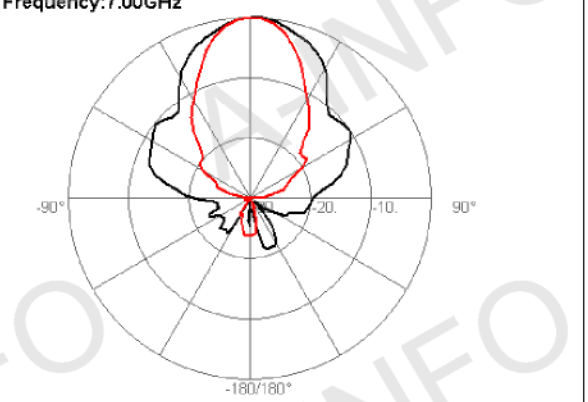
H-Plane 3dB Beamwidth(deg):37.38
E-Plane 3dB Beamwidth(deg):34.19



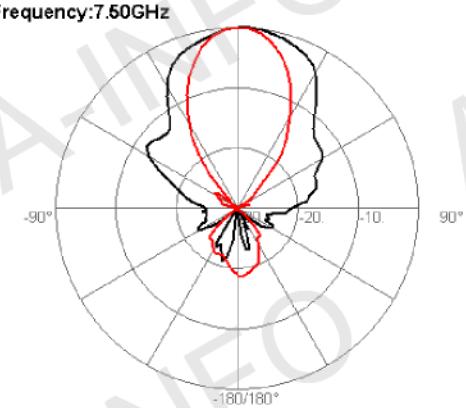
H-Plane 3dB Beamwidth(deg):36.49
E-Plane 3dB Beamwidth(deg):34.30



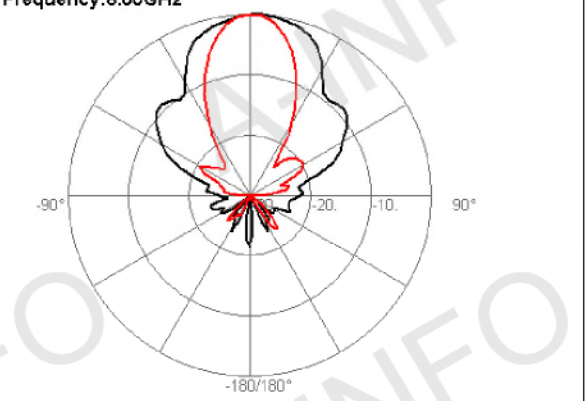
H-Plane 3dB Beamwidth(deg):31.68
E-Plane 3dB Beamwidth(deg):60.44



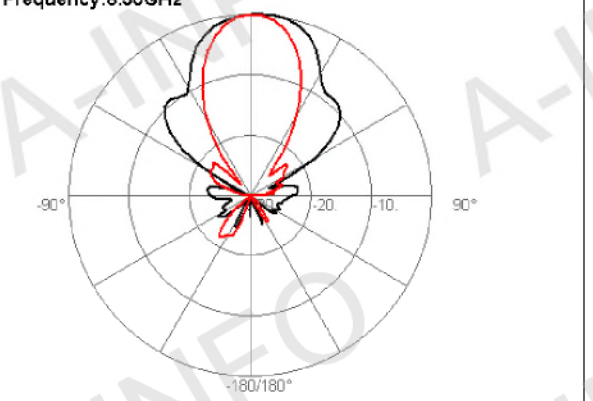
H-Plane 3dB Beamwidth(deg):27.01
E-Plane 3dB Beamwidth(deg):40.78



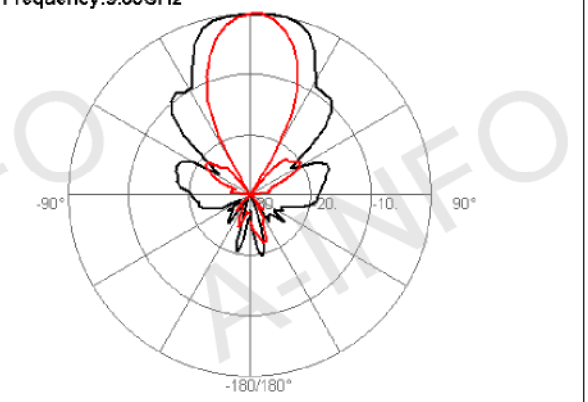
H-Plane 3dB Beamwidth(deg):27.15
E-Plane 3dB Beamwidth(deg):47.73



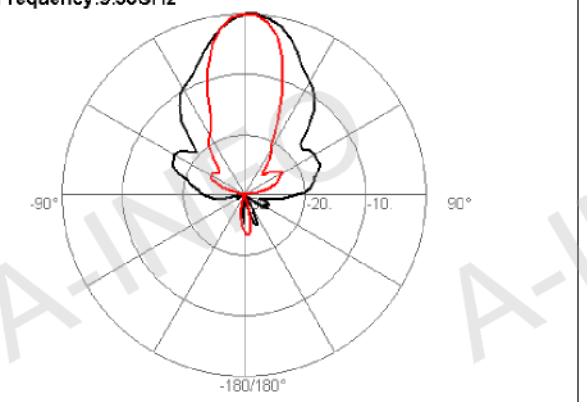
H-Plane 3dB Beamwidth(deg):23.38
E-Plane 3dB Beamwidth(deg):44.23



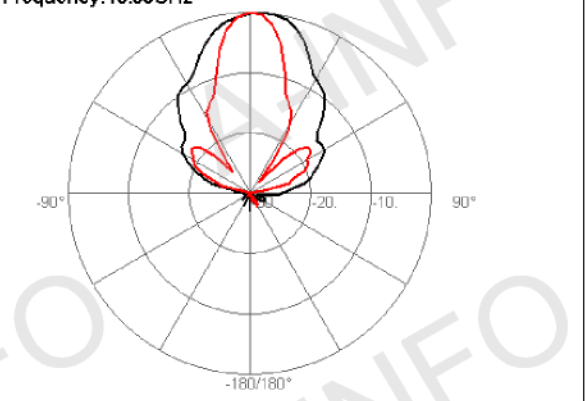
H-Plane 3dB Beamwidth(deg):26.24
E-Plane 3dB Beamwidth(deg):40.30



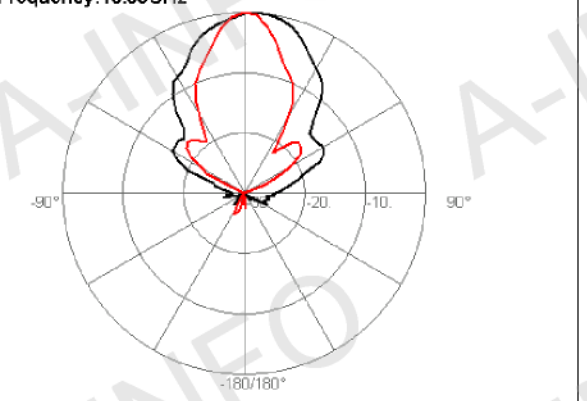
H-Plane 3dB Beamwidth(deg):24.42
E-Plane 3dB Beamwidth(deg):41.54



H-Plane 3dB Beamwidth(deg):20.52
E-Plane 3dB Beamwidth(deg):26.16

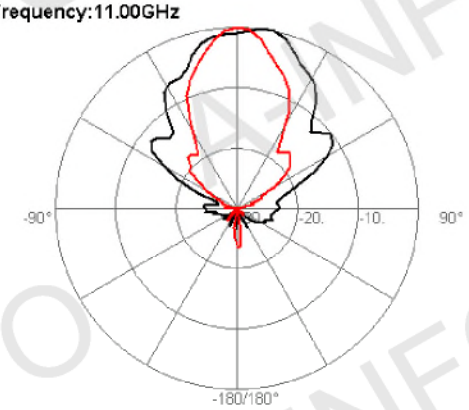


H-Plane 3dB Beamwidth(deg):18.03
E-Plane 3dB Beamwidth(deg):32.51



H-Plane 3dB Beamwidth(deg):18.47
E-Plane 3dB Beamwidth(deg):36.55

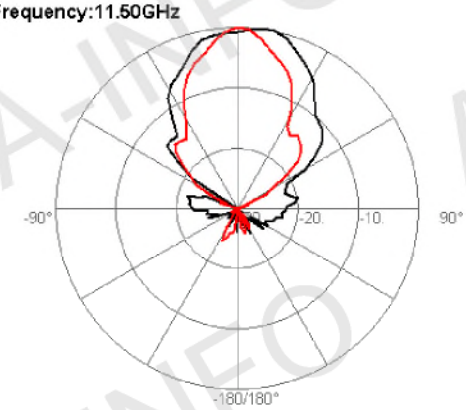
Frequency:11.00GHz



H-Plane
3dB Beamwidth(deg):20.56

E-Plane
3dB Beamwidth(deg):36.01

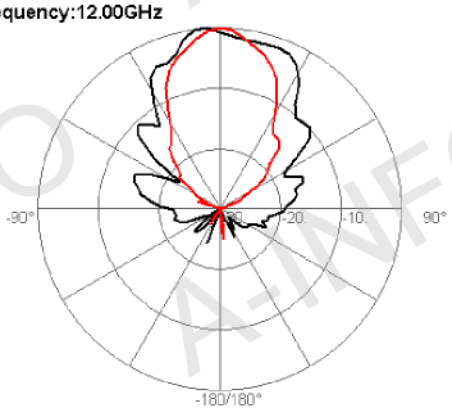
Frequency:11.50GHz



H-Plane
3dB Beamwidth(deg):21.02

E-Plane
3dB Beamwidth(deg):39.45

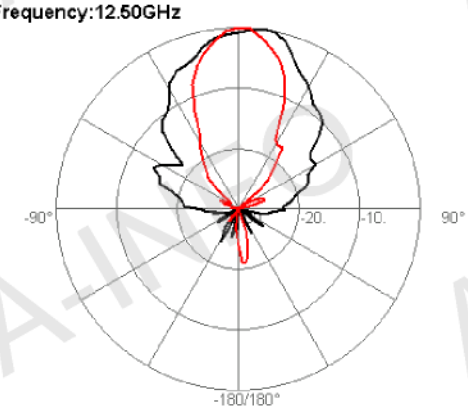
Frequency:12.00GHz



H-Plane
3dB Beamwidth(deg):25.89

E-Plane
3dB Beamwidth(deg):42.62

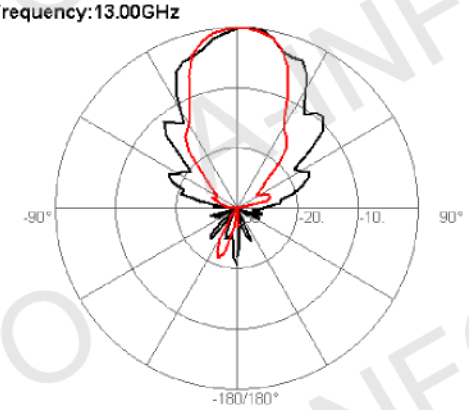
Frequency:12.50GHz



H-Plane
3dB Beamwidth(deg):22.54

E-Plane
3dB Beamwidth(deg):32.31

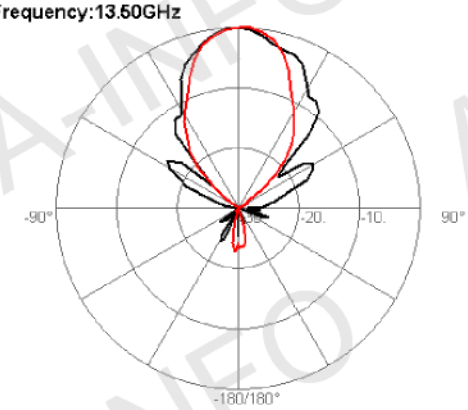
Frequency:13.00GHz



H-Plane
3dB Beamwidth(deg):31.05

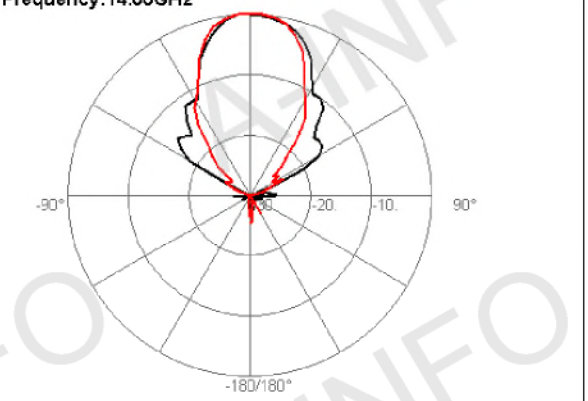
E-Plane
3dB Beamwidth(deg):28.35

Frequency:13.50GHz



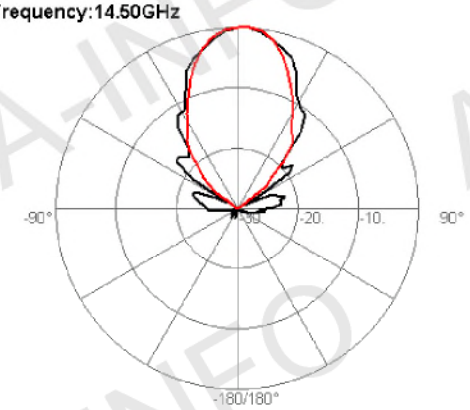
H-Plane
3dB Beamwidth(deg):28.89

E-Plane
3dB Beamwidth(deg):34.93



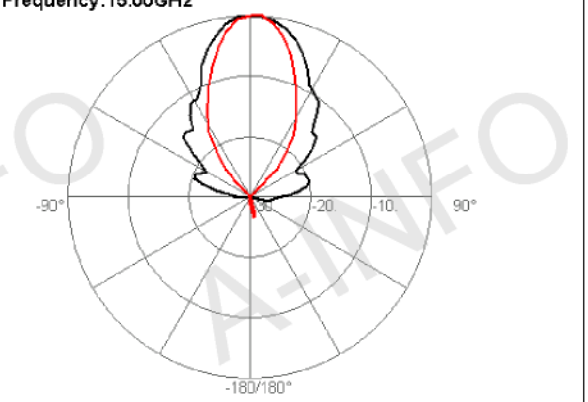
H-Plane
3dB Beamwidth(deg):32.49

E-Plane
3dB Beamwidth(deg):33.23



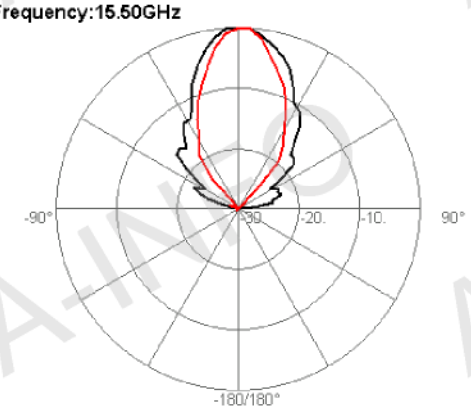
H-Plane
3dB Beamwidth(deg):27.54

E-Plane
3dB Beamwidth(deg):29.54



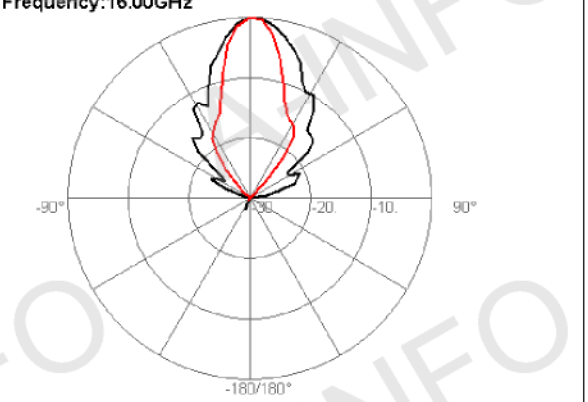
H-Plane
3dB Beamwidth(deg):21.03

E-Plane
3dB Beamwidth(deg):28.15



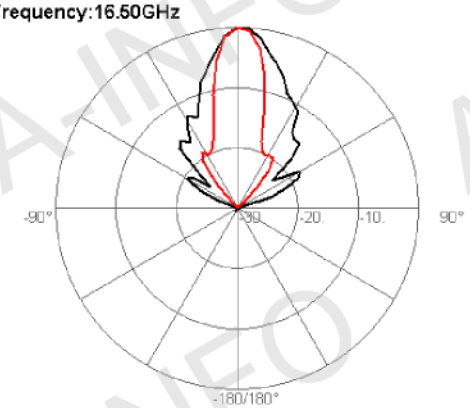
H-Plane
3dB Beamwidth(deg):17.83

E-Plane
3dB Beamwidth(deg):24.87



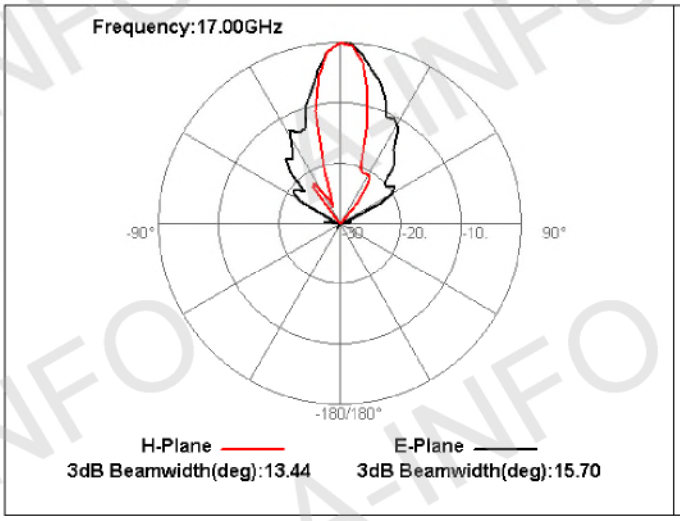
H-Plane
3dB Beamwidth(deg):14.62

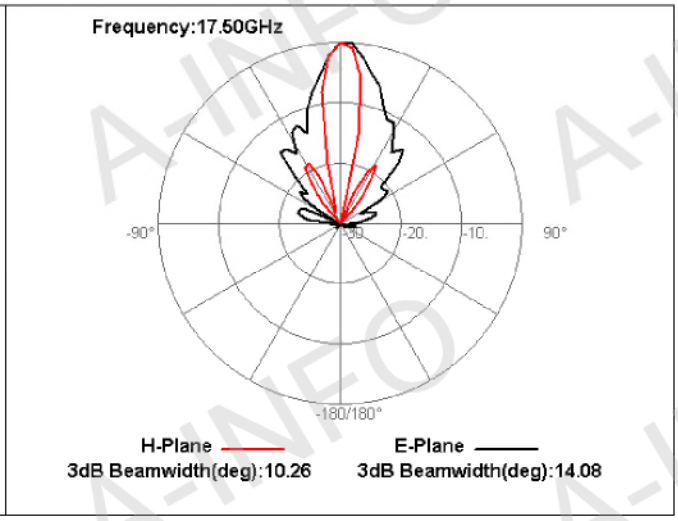
E-Plane
3dB Beamwidth(deg):20.86

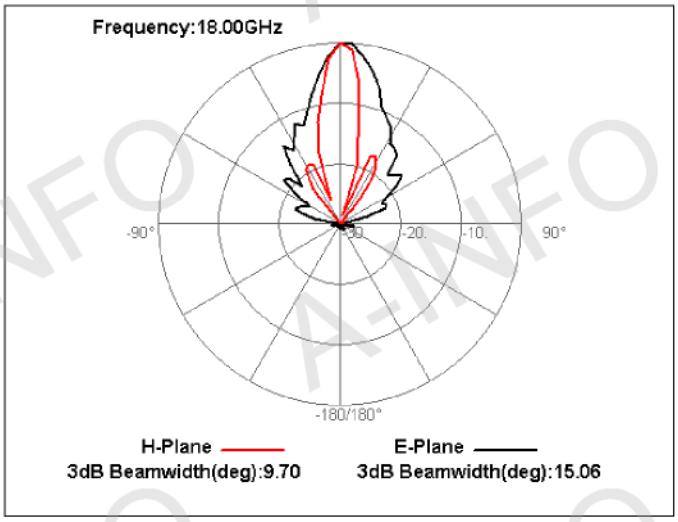


H-Plane
3dB Beamwidth(deg):13.05

E-Plane
3dB Beamwidth(deg):16.86


Frequency:17.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):13.44
E-Plane
3dB Beamwidth(deg):15.70


Frequency:17.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):10.26
E-Plane
3dB Beamwidth(deg):14.08


Frequency:18.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):9.70
E-Plane
3dB Beamwidth(deg):15.06