A-INFO

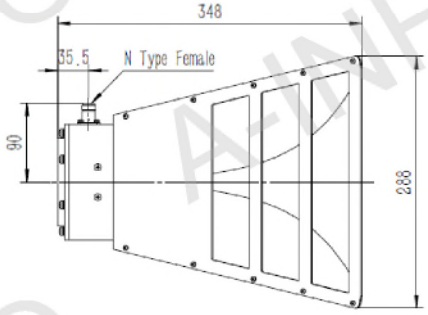
LB-660
0.6 – 6.0 GHz Broadband Horn Antenna

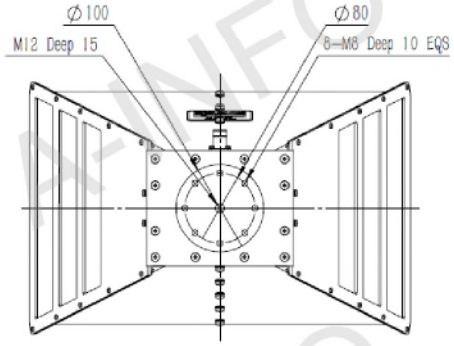
Technical Specification

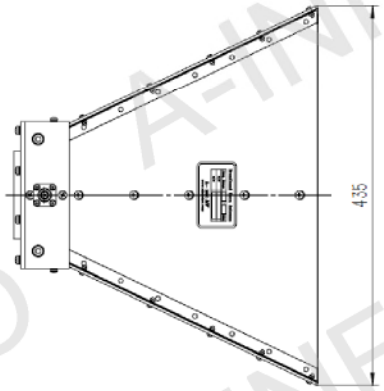
Frequency Range(GHz)	0.6 - 6.0	
Gain(dBi)	11 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	92 - 33
	H Plane:	56 - 34
Cross Pol. Isolation(dB)	25 Typ.	
VSWR	1.5:1 Typ.	
Connector	N-Female	
Power Handling(W)	500 Max. CW	
Material	Al	
Size(mm)	435 x 288 x 348	
Net Weight(Kg)	6.8 Around	

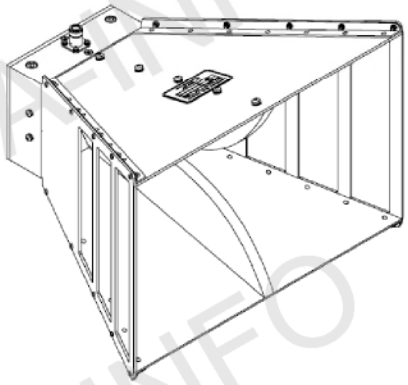
Outline Drawing (Size: mm)

N-Female Output









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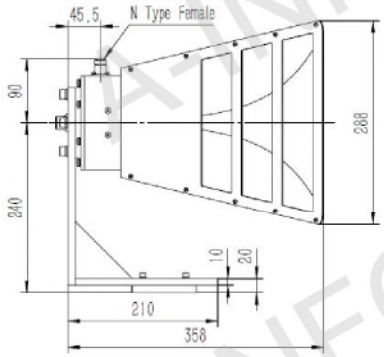
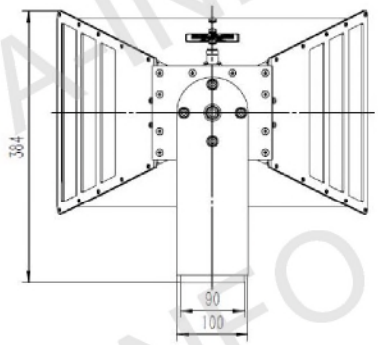
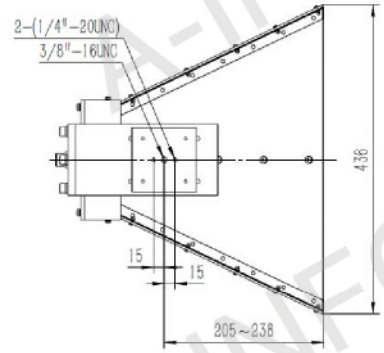
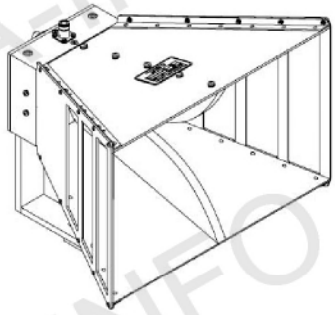
N-Female Output with L type mounting bracket

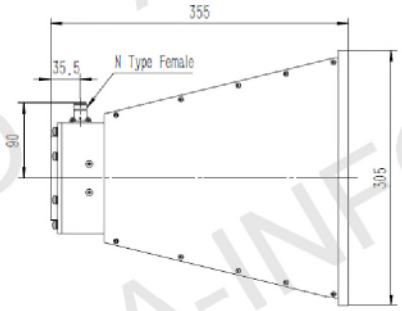


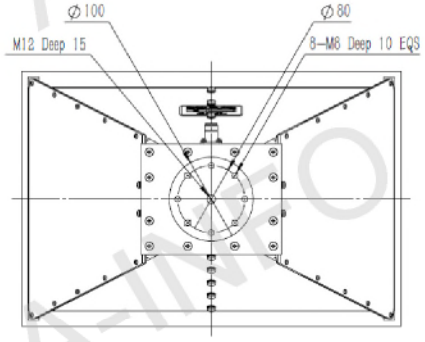


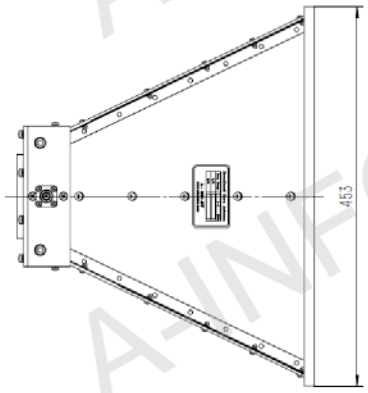


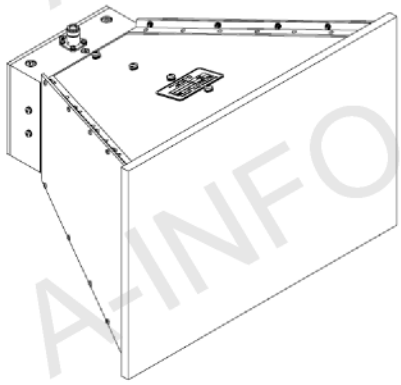


N-Female Output with Radome

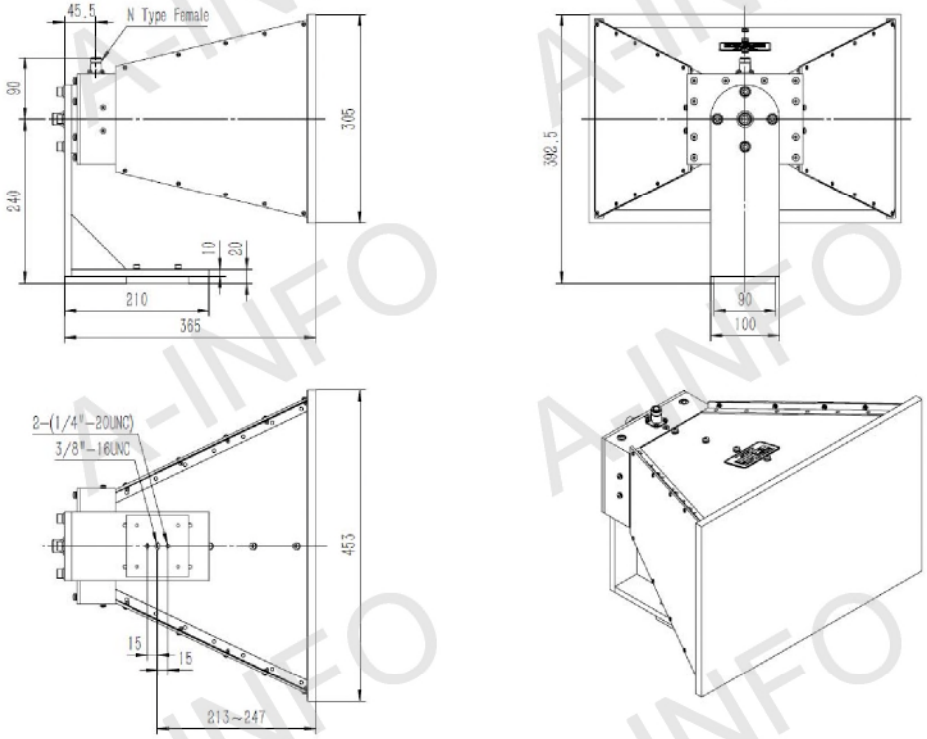






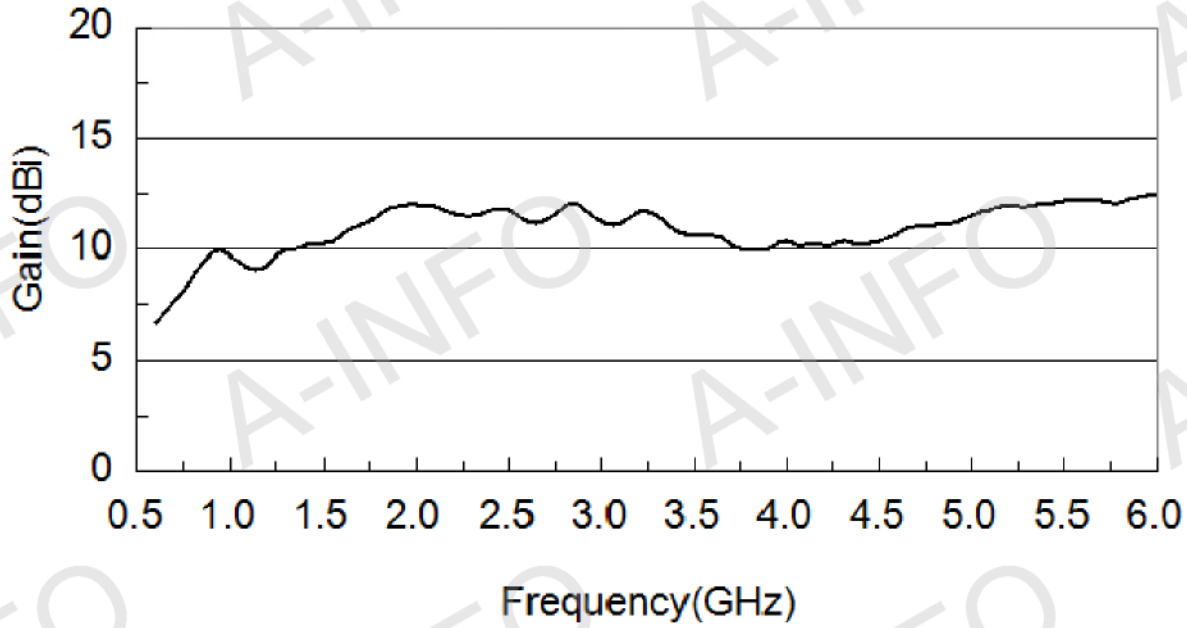


N-Female Output with L type mounting bracket & Radome

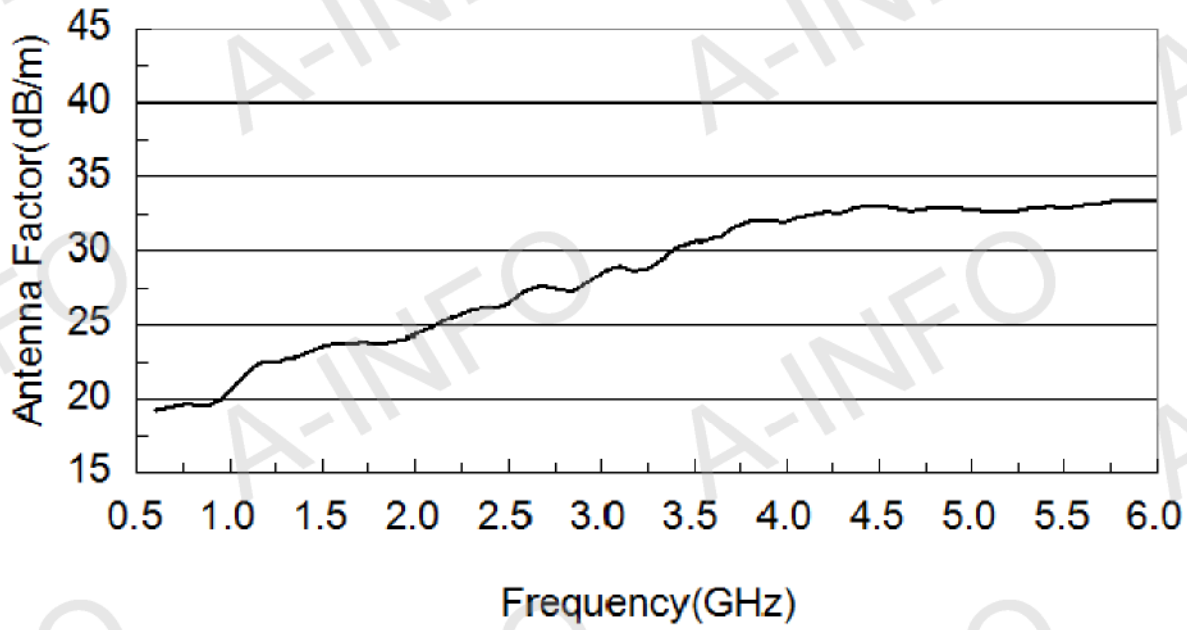


Test Results

1. Gain



2. Antenna Factor



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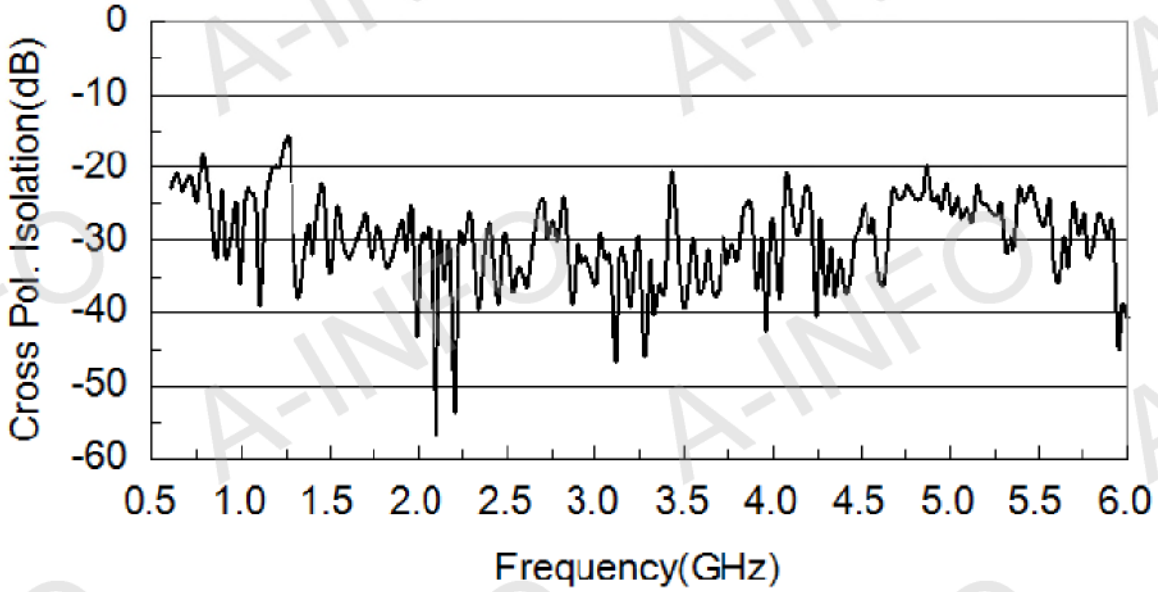
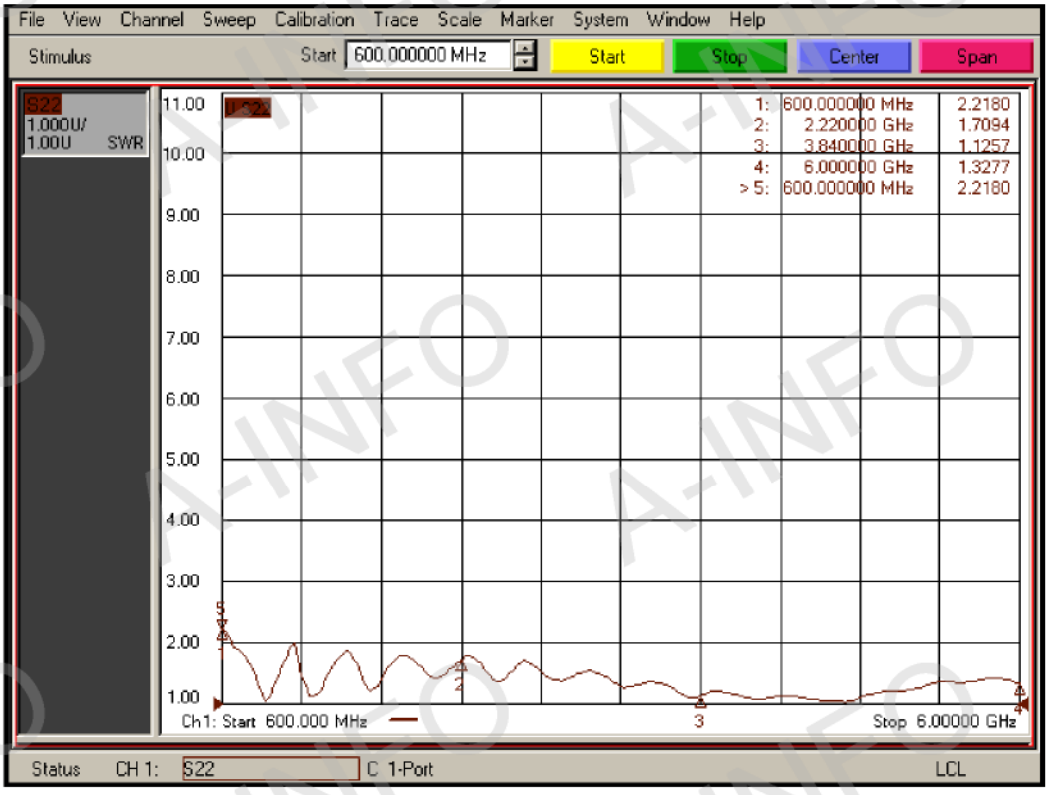
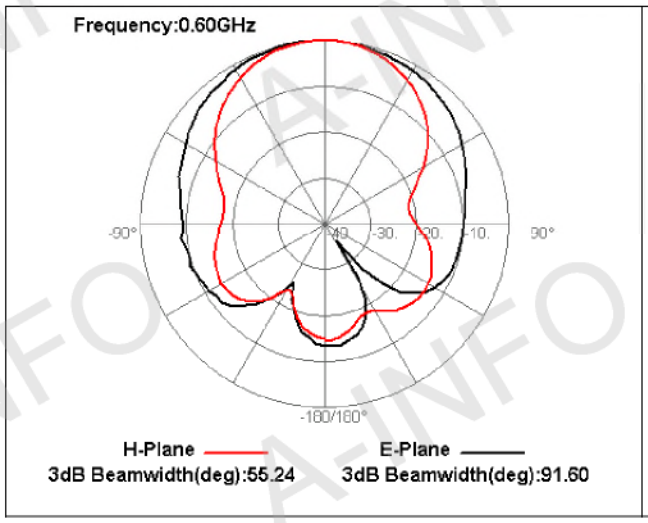
3. Cross Polarization Isolation

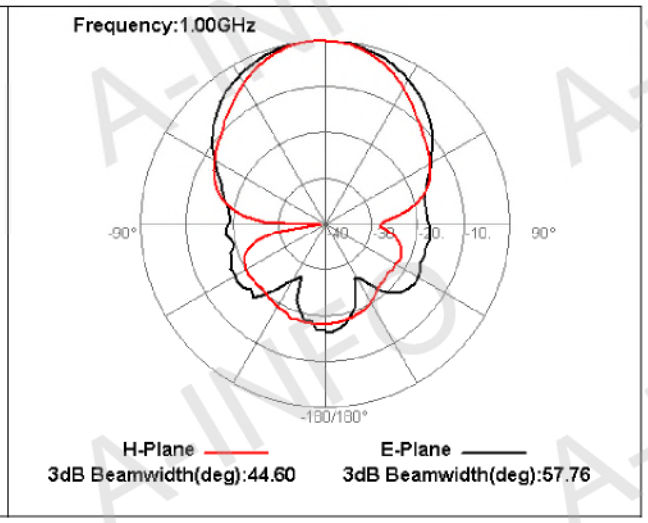


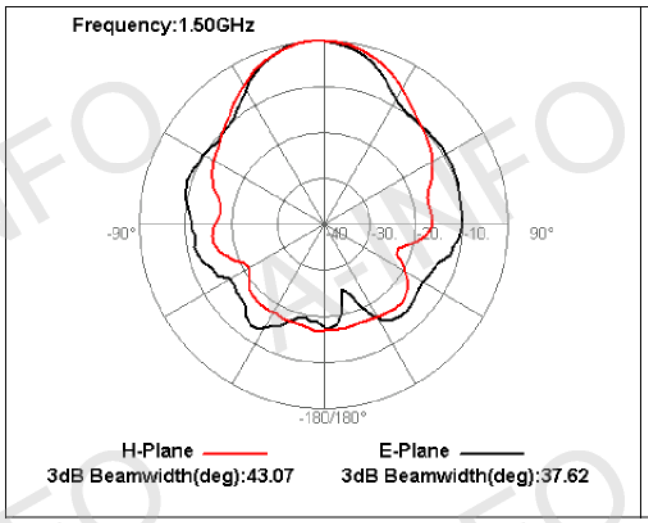
4. VSWR

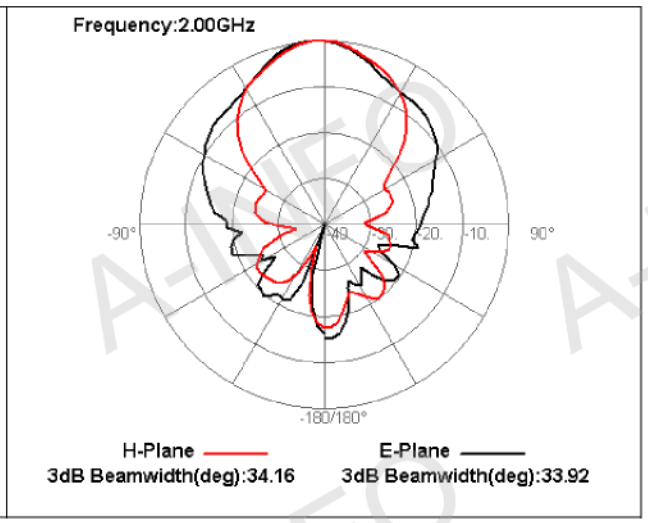


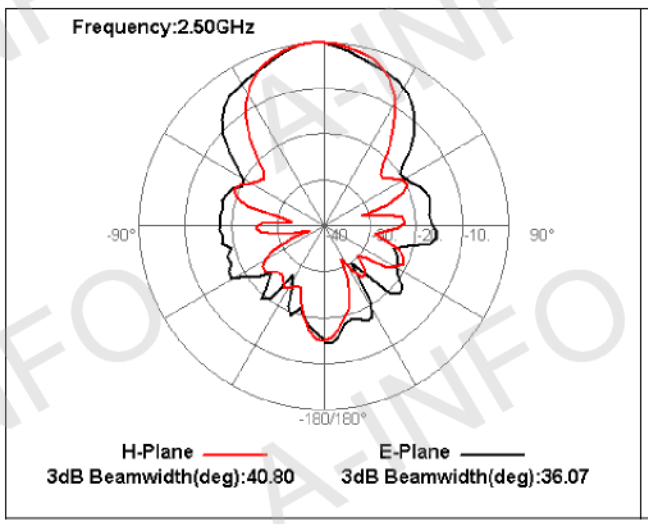
5. Pattern

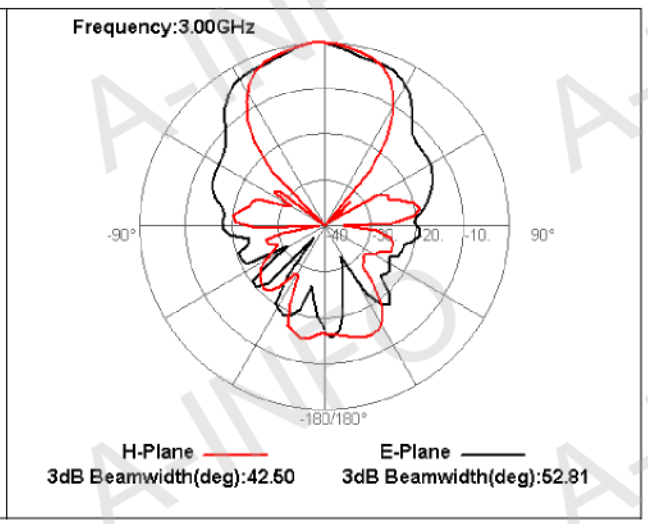

Frequency:0.60GHz
-90°
90°
-40
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):55.24
E-Plane
3dB Beamwidth(deg):91.60

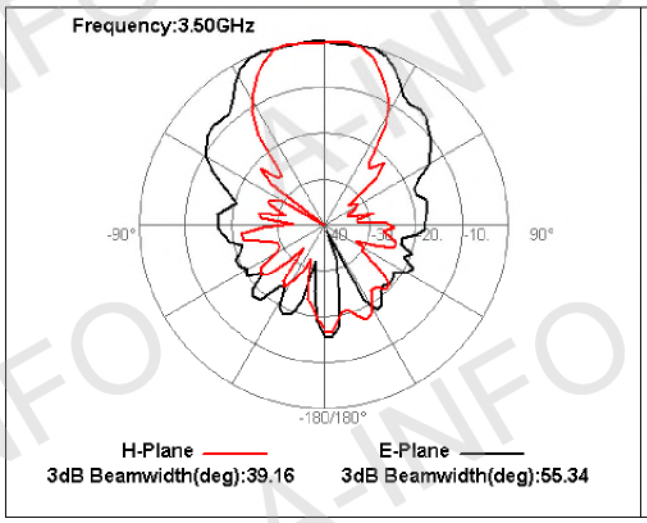

Frequency:1.00GHz
-90°
90°
-40
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):44.60
E-Plane
3dB Beamwidth(deg):57.76

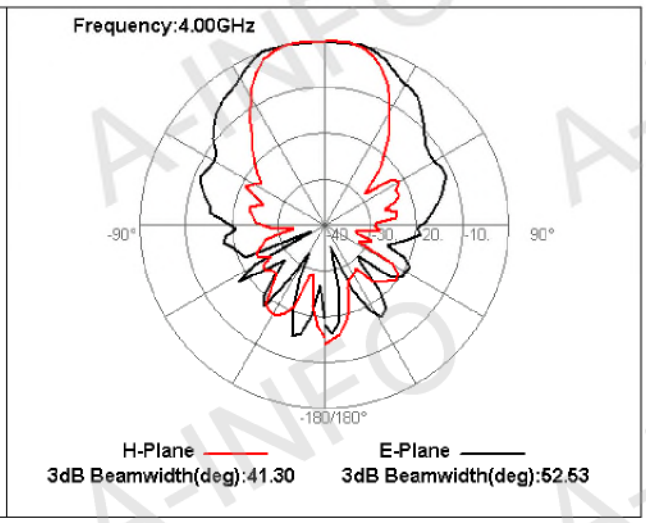

Frequency:1.50GHz
-90°
90°
-40
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):43.07
E-Plane
3dB Beamwidth(deg):37.62

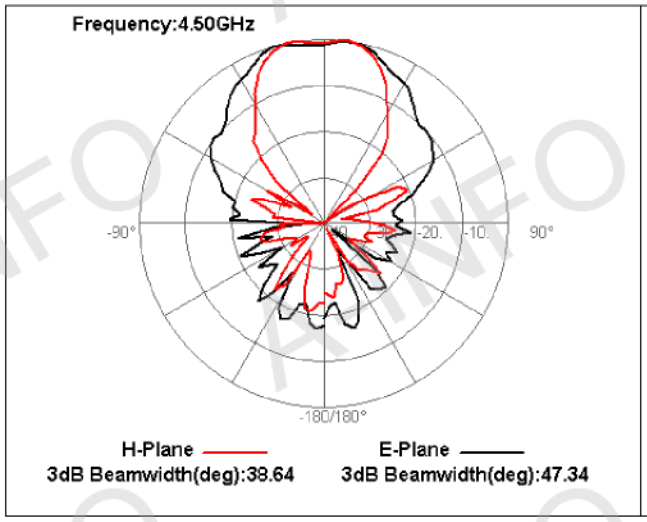

Frequency:2.00GHz
-90°
90°
-40
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):34.16
E-Plane
3dB Beamwidth(deg):33.92

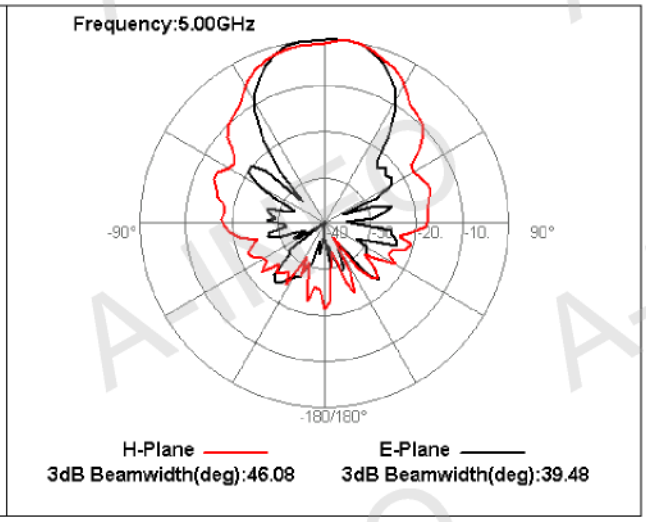

Frequency:2.50GHz
-90°
90°
-40
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):40.80
E-Plane
3dB Beamwidth(deg):36.07

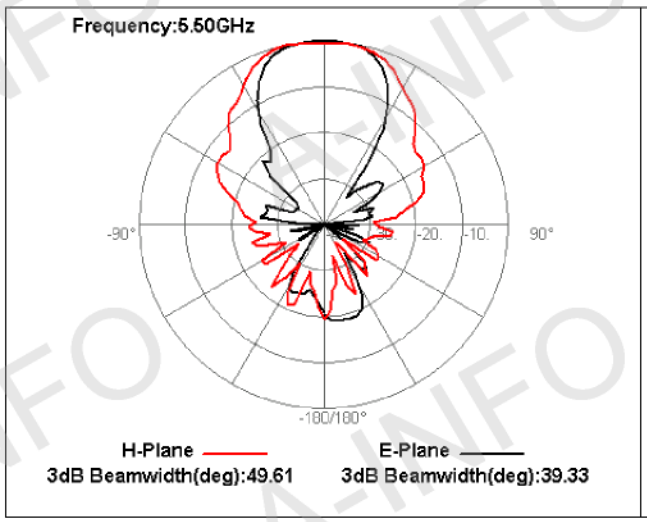

Frequency:3.00GHz
-90°
90°
-40
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):42.50
E-Plane
3dB Beamwidth(deg):52.81

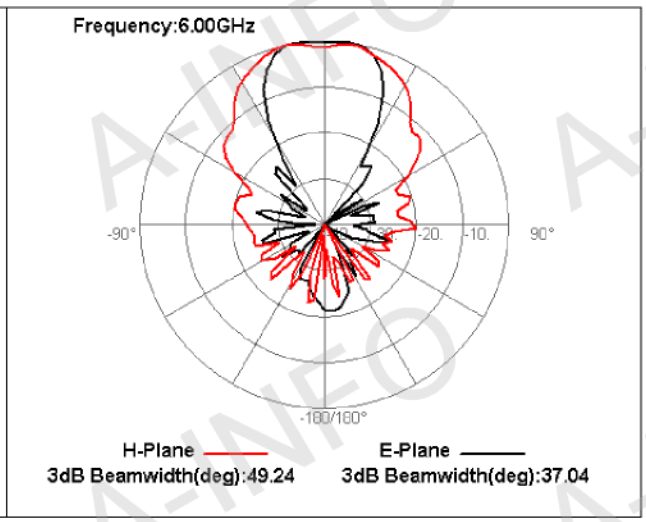

Frequency:3.50GHz
-90°
90°
-180/180°
-10.
-20.
H-Plane
3dB Beamwidth(deg):39.16
E-Plane
3dB Beamwidth(deg):55.34


Frequency:4.00GHz
-90°
90°
-180/180°
-10.
-20.
H-Plane
3dB Beamwidth(deg):41.30
E-Plane
3dB Beamwidth(deg):52.53


Frequency:4.50GHz
-90°
90°
-180/180°
-10.
-20.
H-Plane
3dB Beamwidth(deg):38.64
E-Plane
3dB Beamwidth(deg):47.34


Frequency:5.00GHz
-90°
90°
-180/180°
-10.
-20.
H-Plane
3dB Beamwidth(deg):46.08
E-Plane
3dB Beamwidth(deg):39.48


Frequency:5.50GHz
-90°
90°
-180/180°
-10.
-20.
H-Plane
3dB Beamwidth(deg):49.61
E-Plane
3dB Beamwidth(deg):39.33


Frequency:6.00GHz
-90°
90°
-180/180°
-10.
-20.
H-Plane
3dB Beamwidth(deg):49.24
E-Plane
3dB Beamwidth(deg):37.04