A-INFO

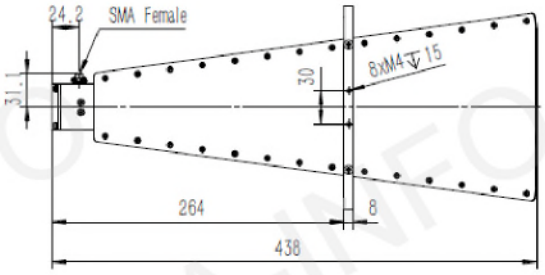
LB-20180H
2 - 18GHz Broadband Horn Antenna

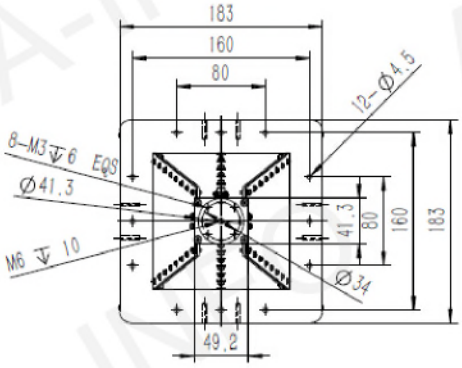
Technical Specification

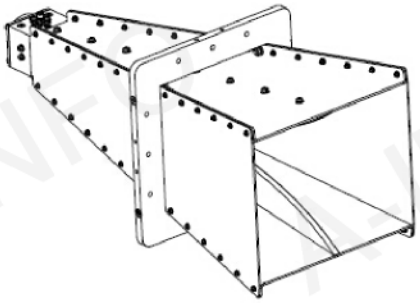
Frequency Range(GHz)	2 - 18	
Gain(dB)	10-22 Typ.	
Polarization	Linear	
VSWR	1.5:1 Typ. / 2.5:1 Max.	
Cross Pol. Isolation(dB)	-25 Typ.	
Connector	SMA-F / N-F	
Power Handling(W)	SMA-F	50 Max. CW
	N-F	150 Max. CW
Size(mm)	438x183x183	
Net Weight(Kg)	2.12 Around	
Radome	Foam Radome for outdoor application is available. Consult A-INFO for details.	

Outline Drawing (Size: mm)

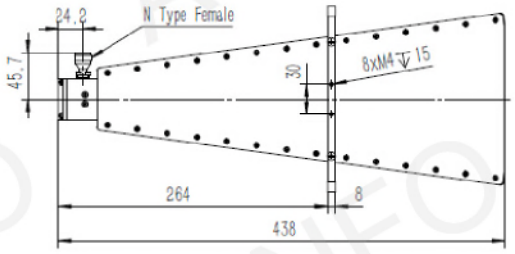
SMA-Female Output

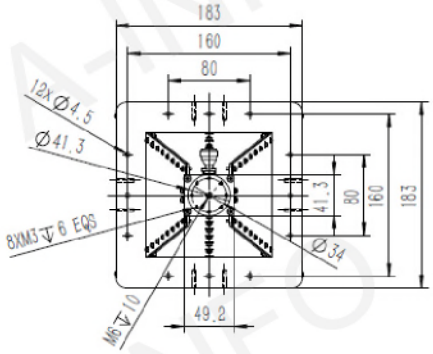


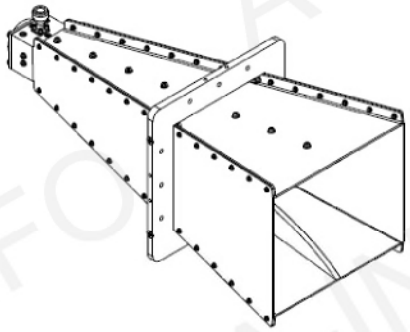




N-Female Output

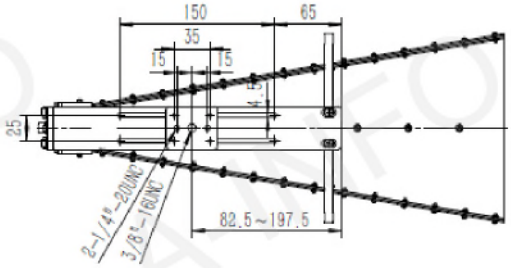


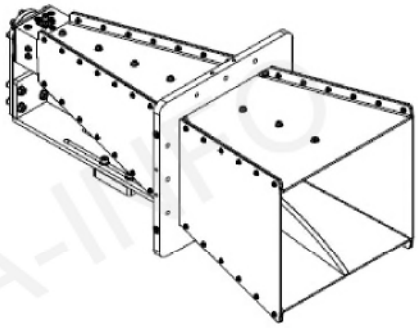


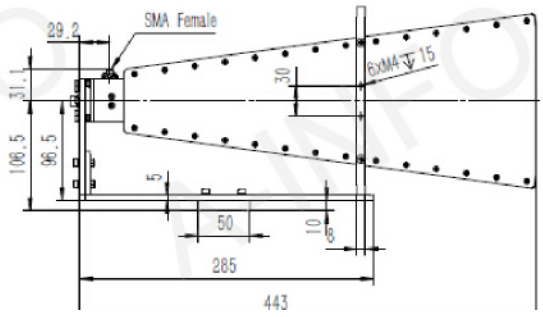


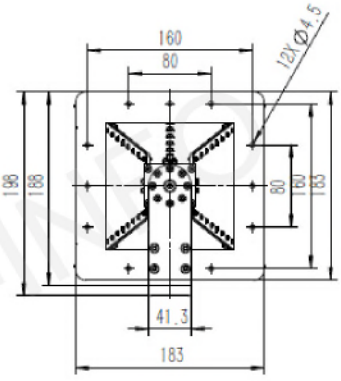
SMA-Female Output with L Type Mounting Bracket

For other type output outline drawing, please contact A-INFO.



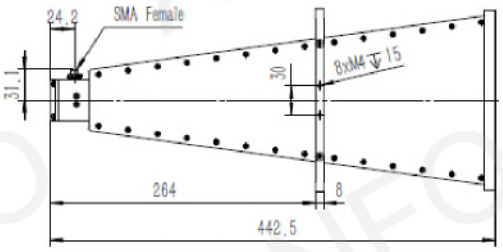


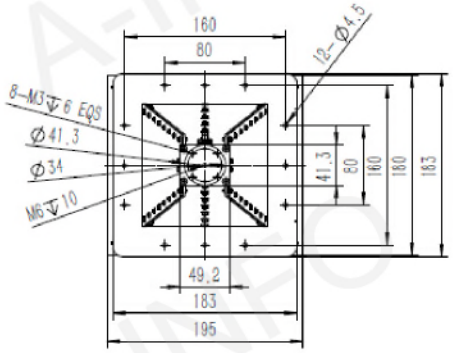


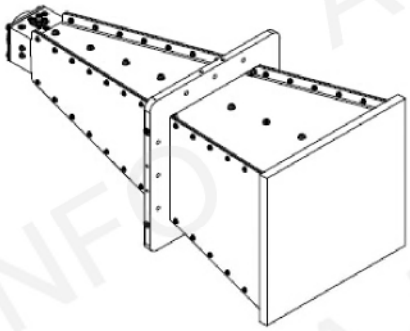


SMA-Female Output with Radome

For other type output outline drawing, please contact A-INFO.

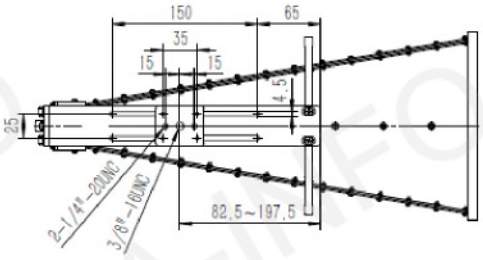


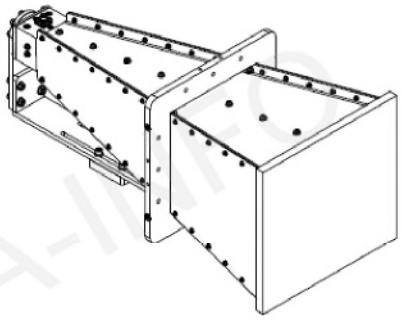


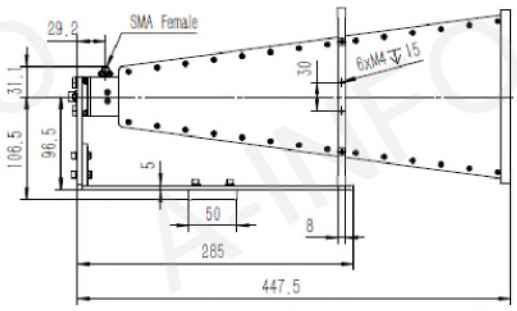


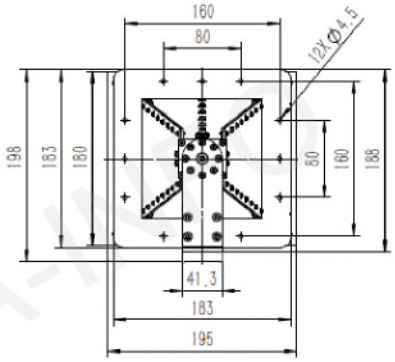
SMA-Female Output with L Type Mounting Bracket & Radome

For other type output outline drawing, please contact A-INFO.



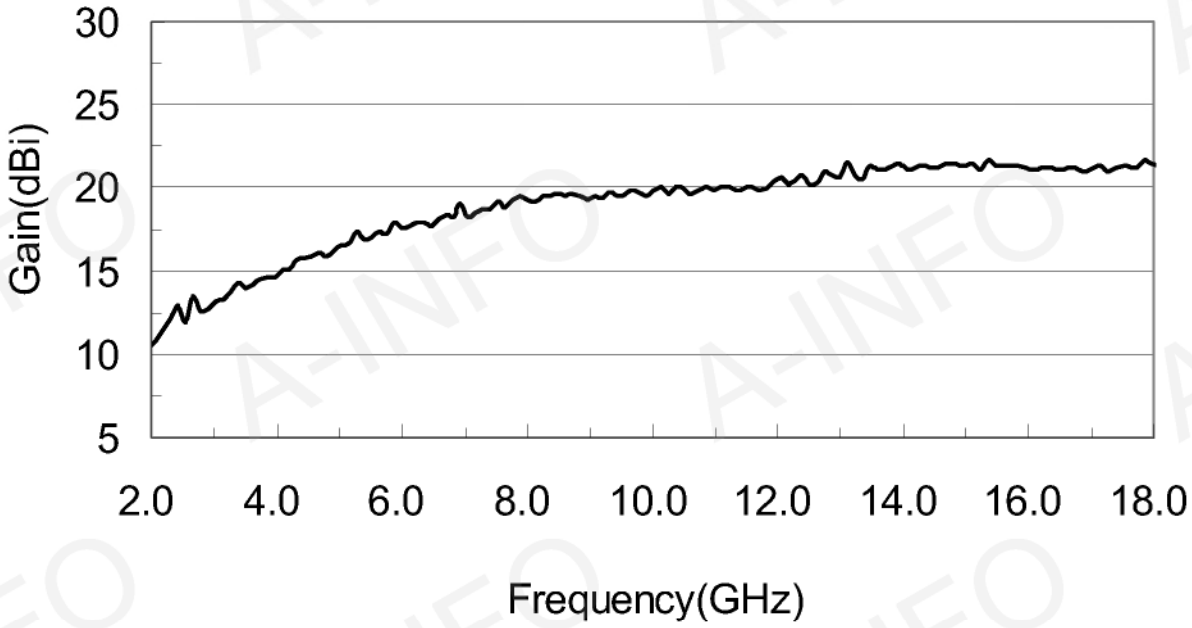


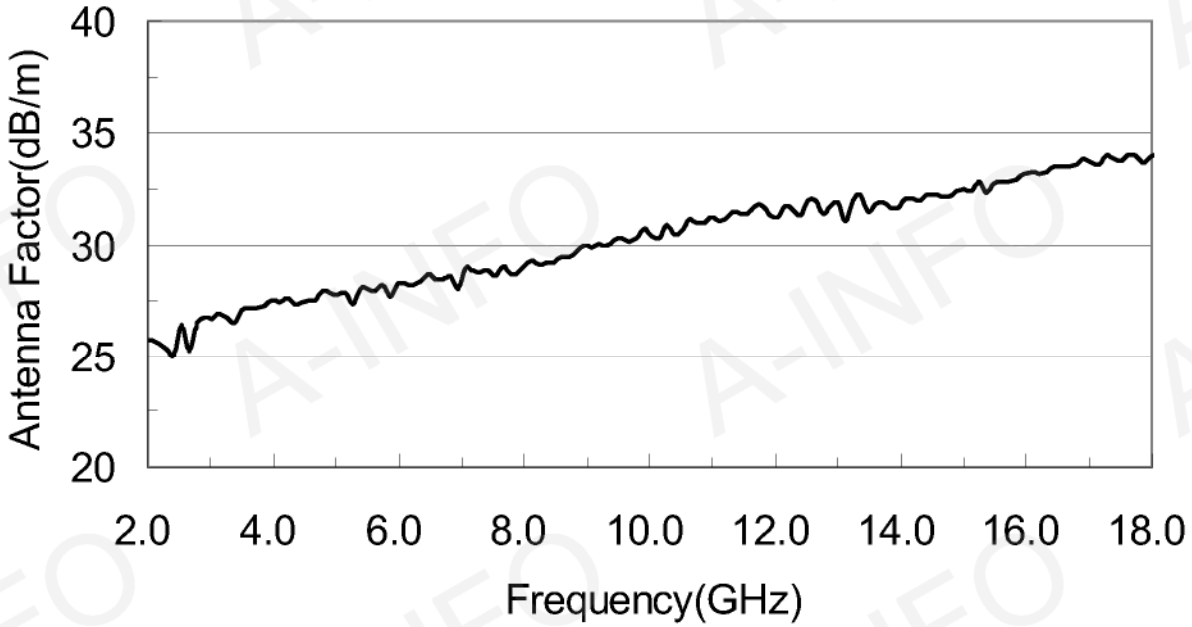




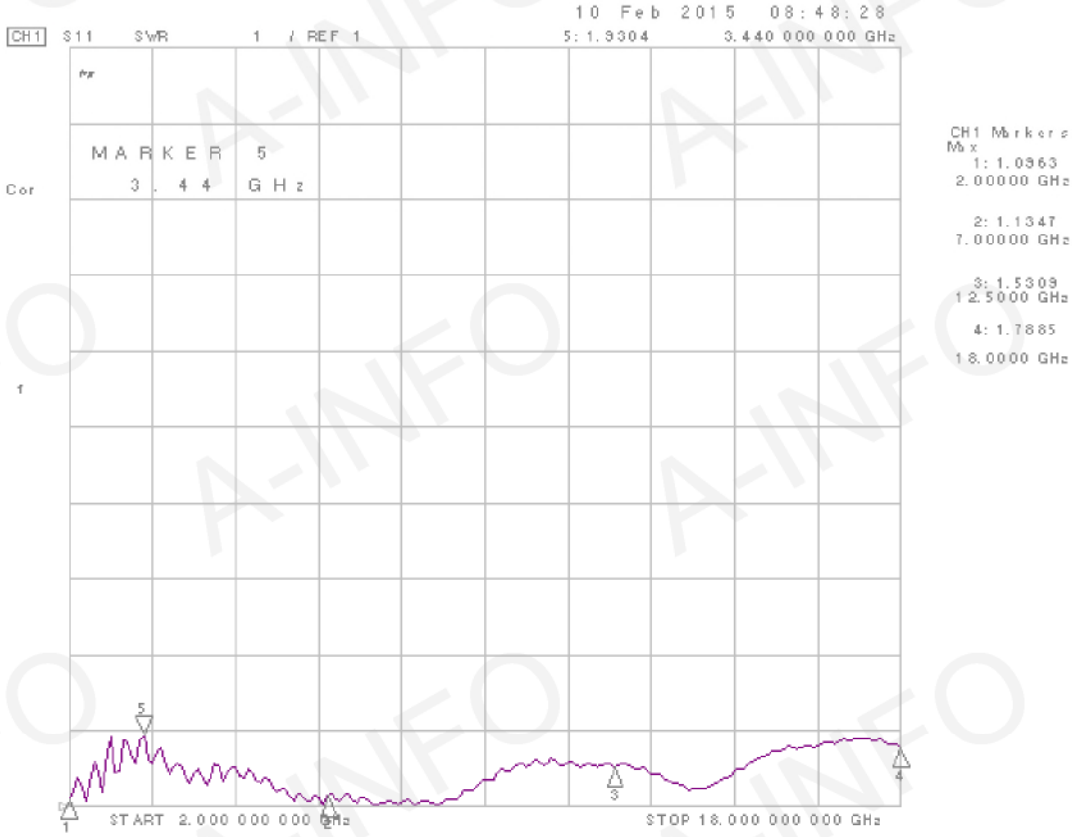
Test Results

1. Gain & Antenna Factor

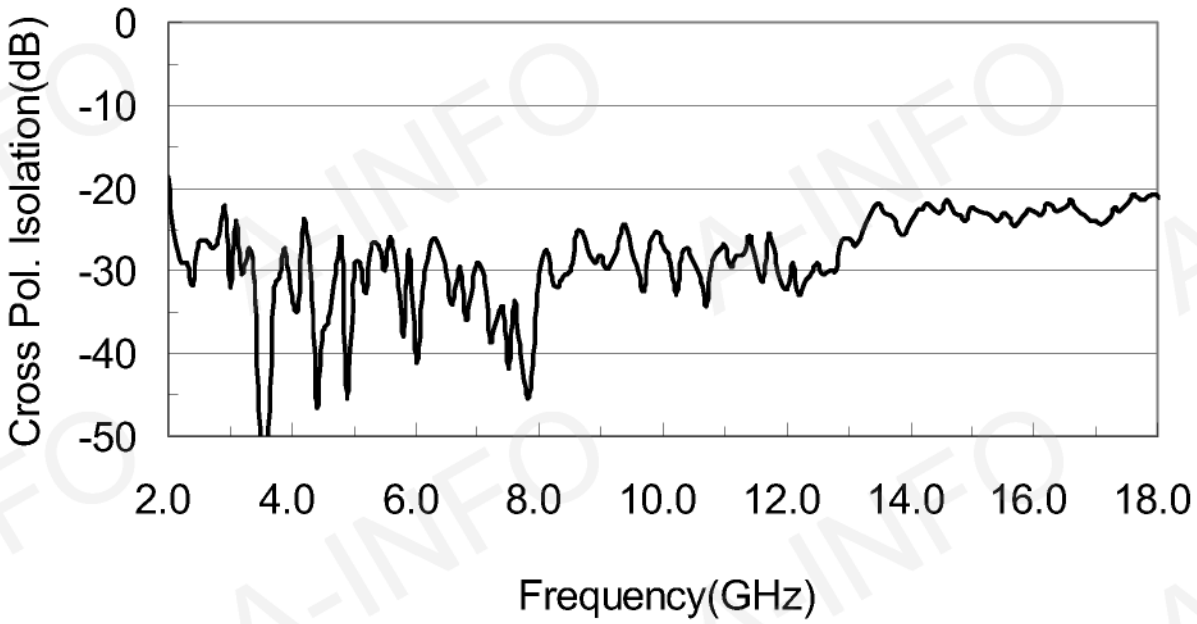




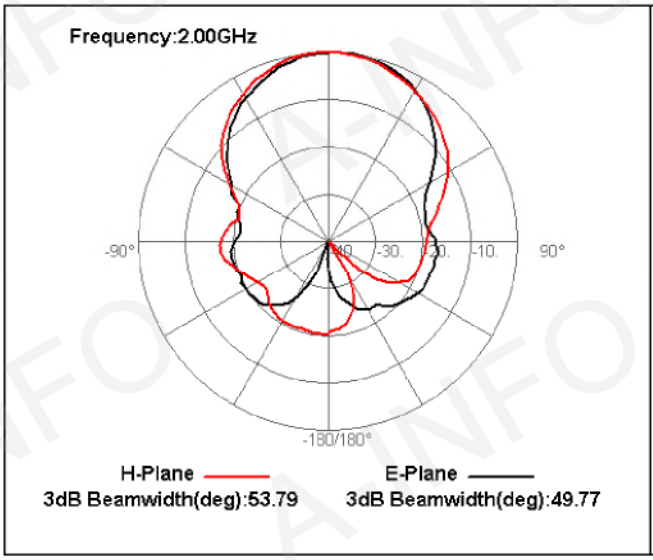
2. VSWR

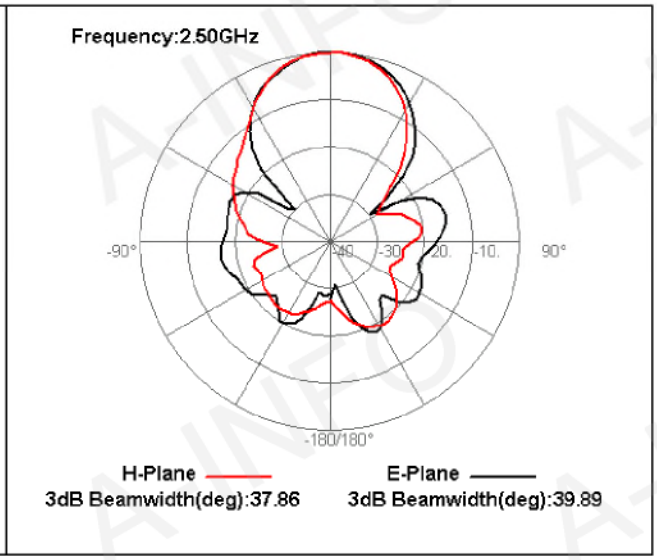


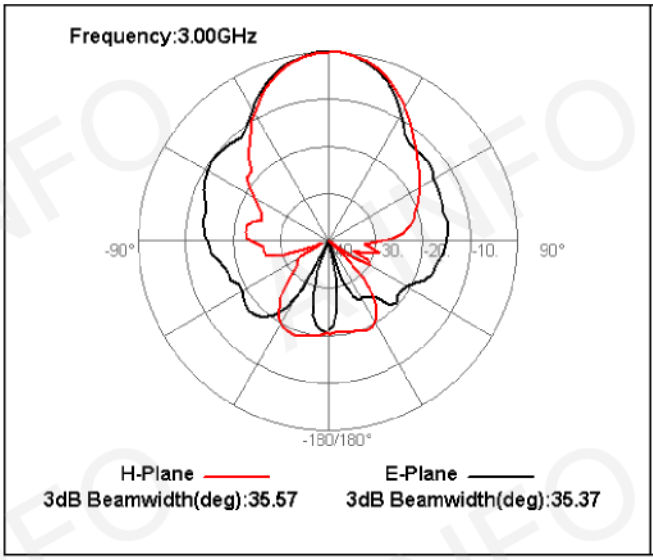
3. Cross Pol. Isolation

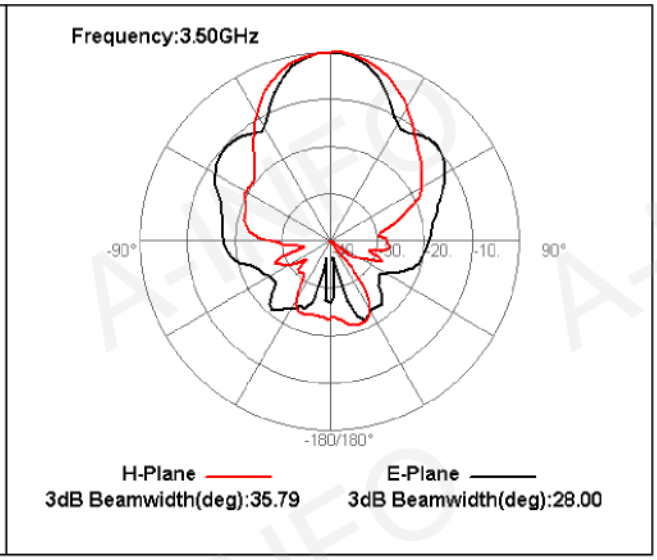


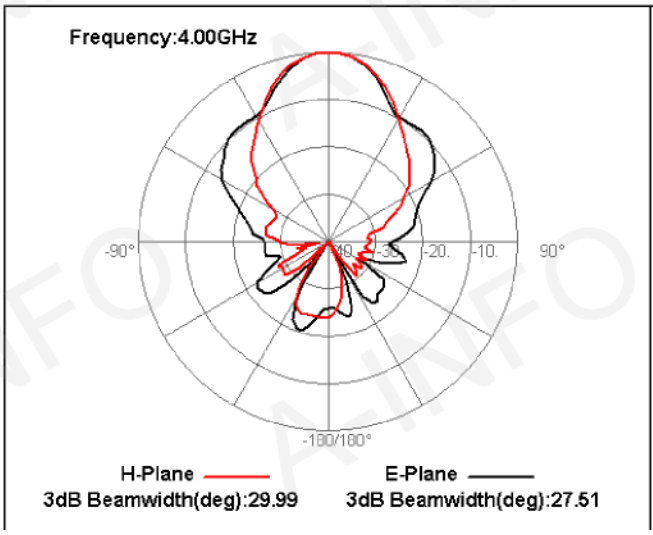
4. Pattern

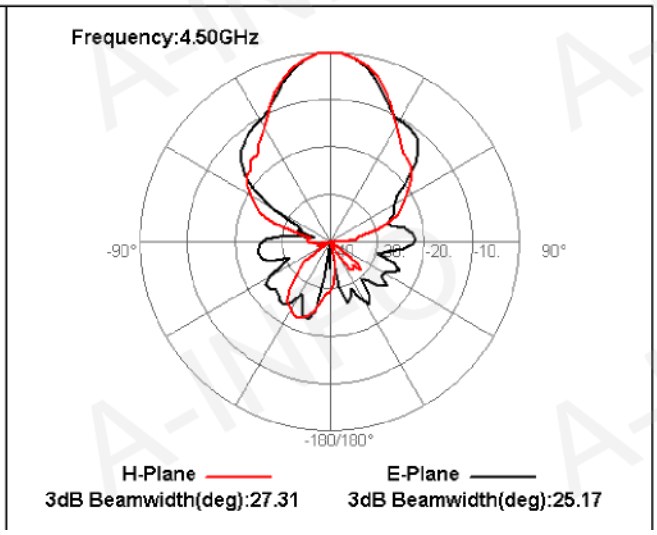

Frequency:2.00GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):53.79
E-Plane
3dB Beamwidth(deg):49.77

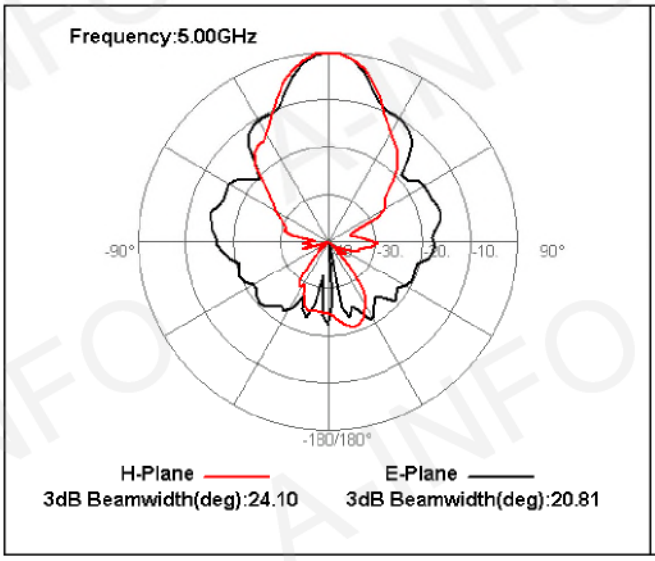

Frequency:2.50GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):37.86
E-Plane
3dB Beamwidth(deg):39.89

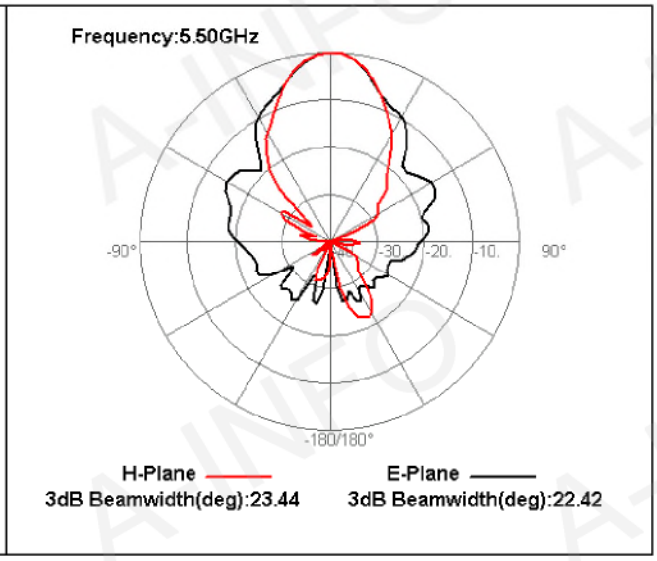

Frequency:3.00GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):35.57
E-Plane
3dB Beamwidth(deg):35.37

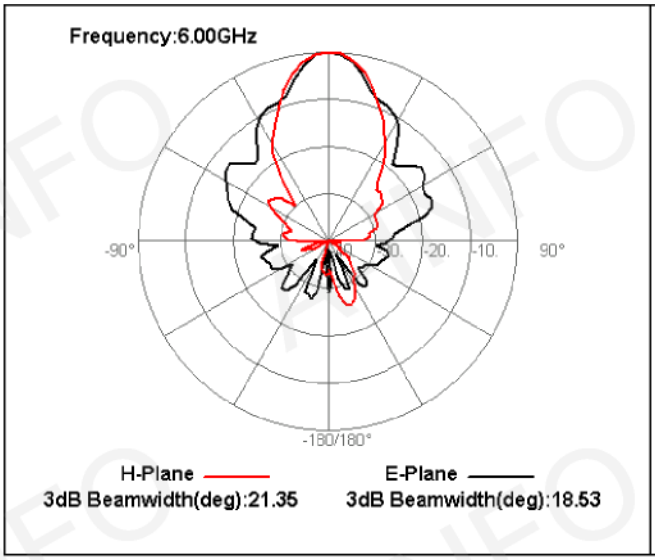

Frequency:3.50GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):35.79
E-Plane
3dB Beamwidth(deg):28.00

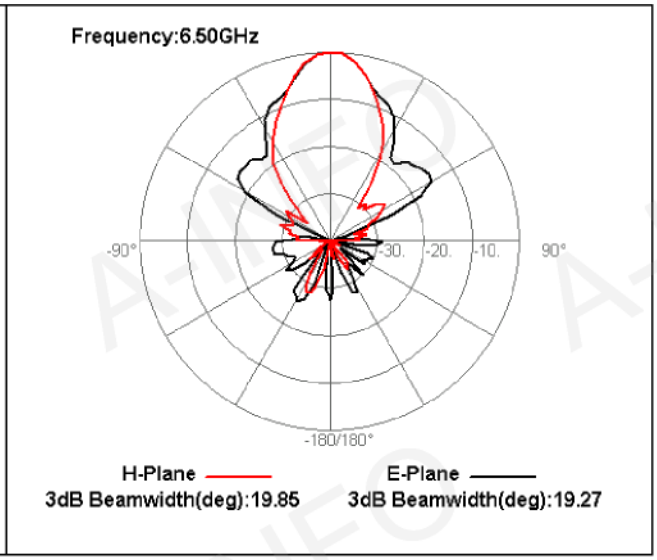

Frequency:4.00GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):29.99
E-Plane
3dB Beamwidth(deg):27.51

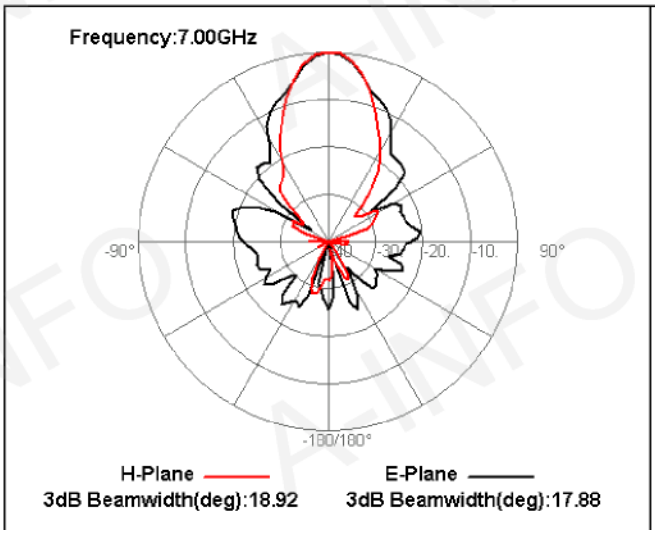

Frequency:4.50GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):27.31
E-Plane
3dB Beamwidth(deg):25.17

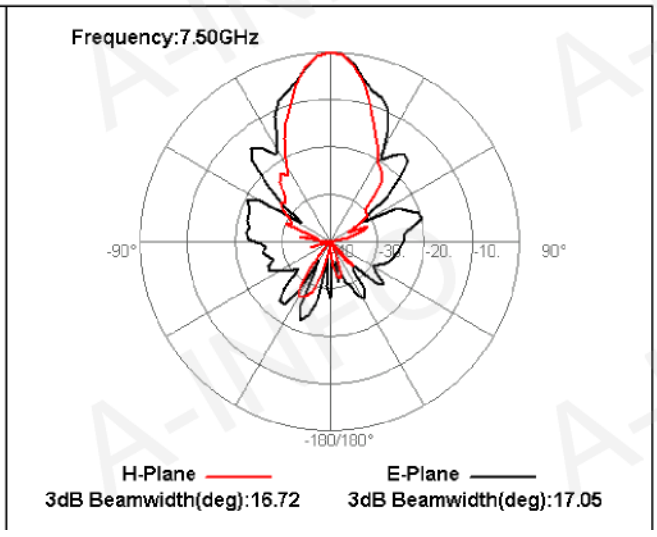

Frequency:5.00GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):24.10
E-Plane
3dB Beamwidth(deg):20.81

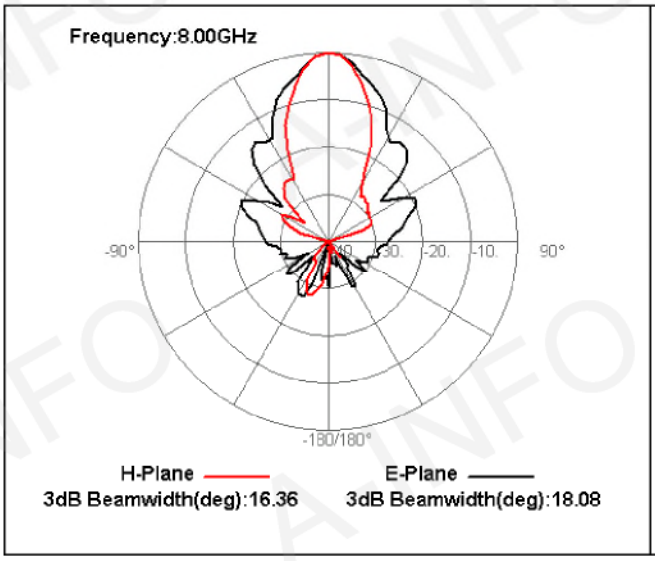

Frequency:5.50GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):23.44
E-Plane
3dB Beamwidth(deg):22.42

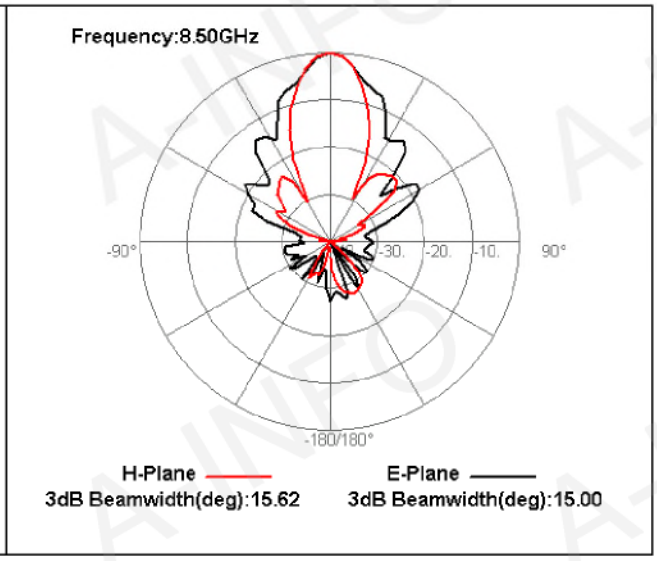

Frequency:6.00GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):21.35
E-Plane
3dB Beamwidth(deg):18.53

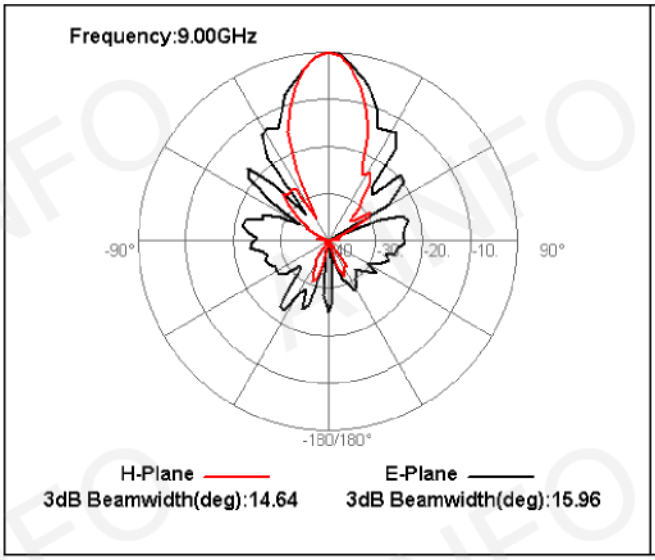

Frequency:6.50GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):19.85
E-Plane
3dB Beamwidth(deg):19.27

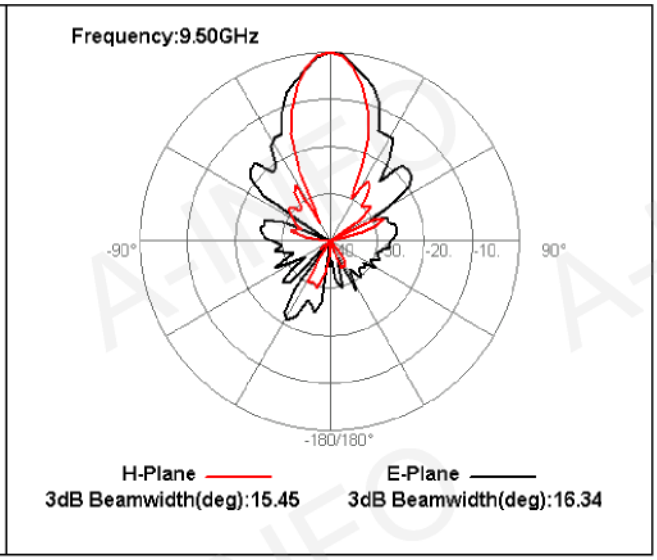

Frequency:7.00GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):18.92
E-Plane
3dB Beamwidth(deg):17.88

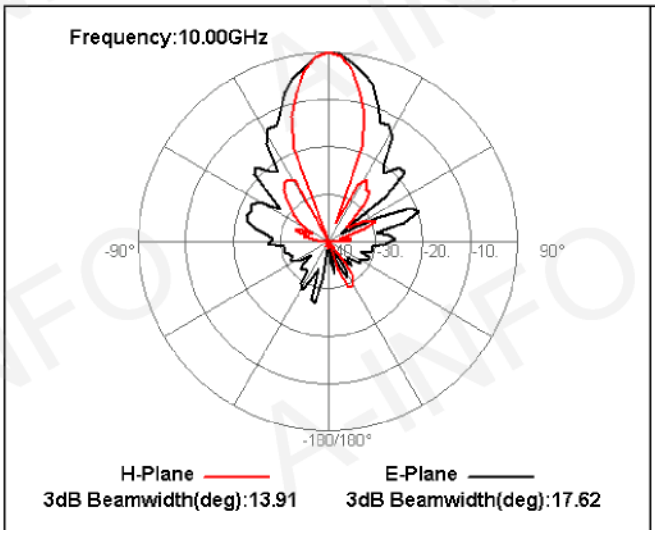

Frequency:7.50GHz
-90°
90°
-180/180°
H-Plane
3dB Beamwidth(deg):16.72
E-Plane
3dB Beamwidth(deg):17.05

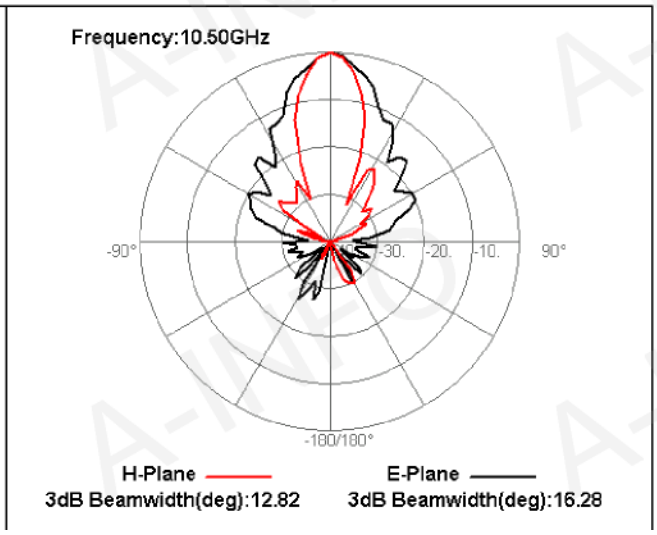

Frequency:8.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):16.36
E-Plane
3dB Beamwidth(deg):18.08

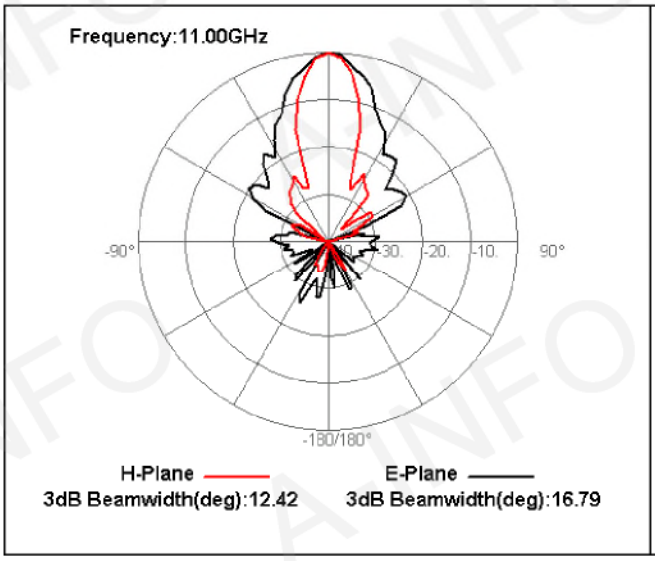

Frequency:8.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):15.62
E-Plane
3dB Beamwidth(deg):15.00


Frequency:9.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):14.64
E-Plane
3dB Beamwidth(deg):15.96

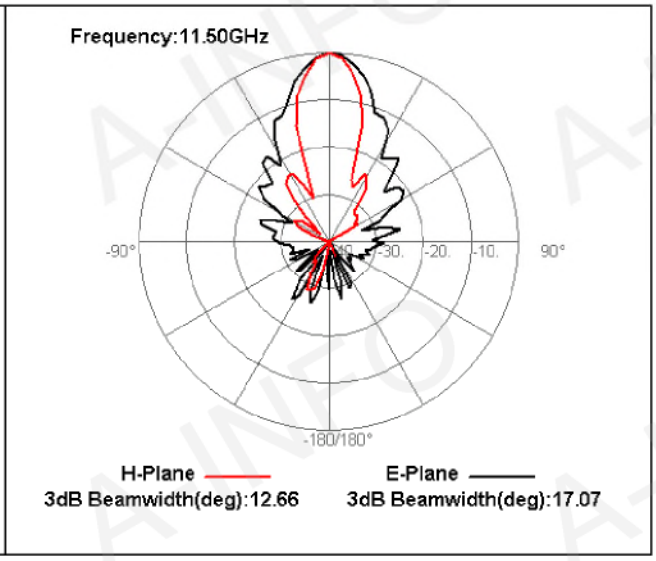

Frequency:9.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):15.45
E-Plane
3dB Beamwidth(deg):16.34


Frequency:10.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):13.91
E-Plane
3dB Beamwidth(deg):17.62

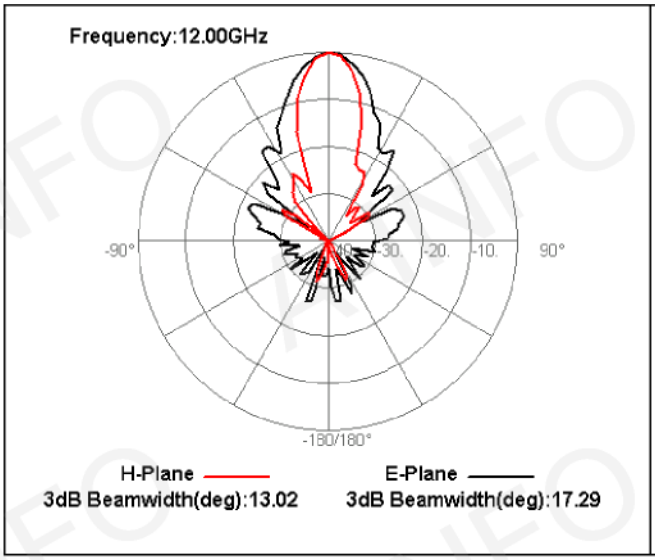

Frequency:10.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):12.82
E-Plane
3dB Beamwidth(deg):16.28



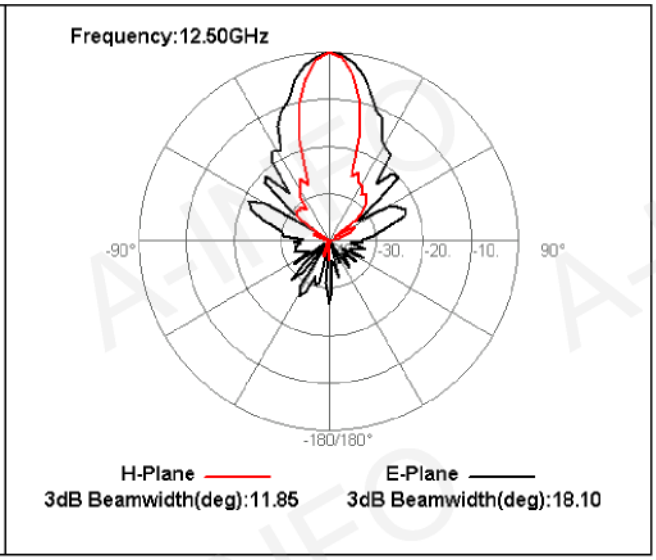
3dB Beamwidth(deg):12.42 3dB Beamwidth(deg):16.79



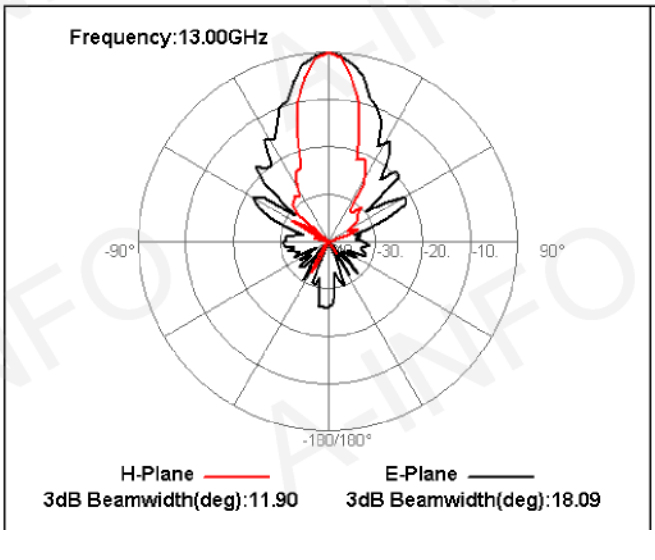
3dB Beamwidth(deg):12.66 3dB Beamwidth(deg):17.07



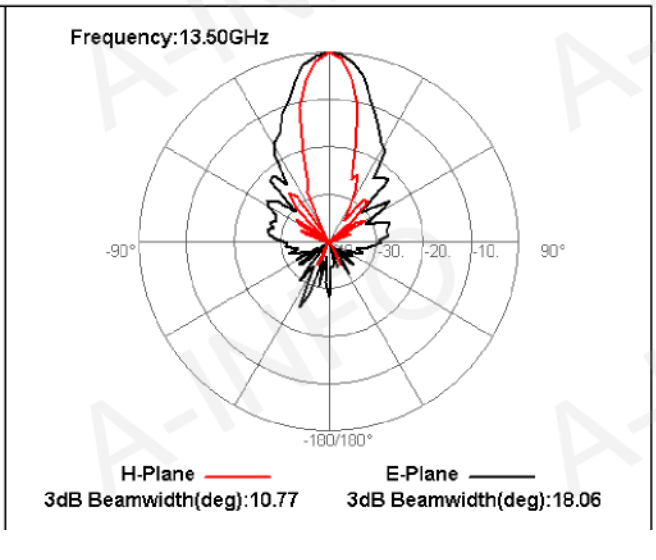
3dB Beamwidth(deg):13.02 3dB Beamwidth(deg):17.29



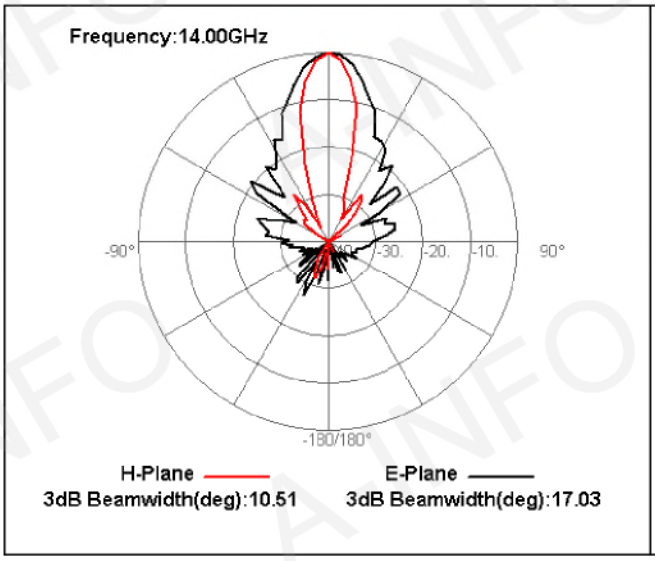
3dB Beamwidth(deg):11.85 3dB Beamwidth(deg):18.10

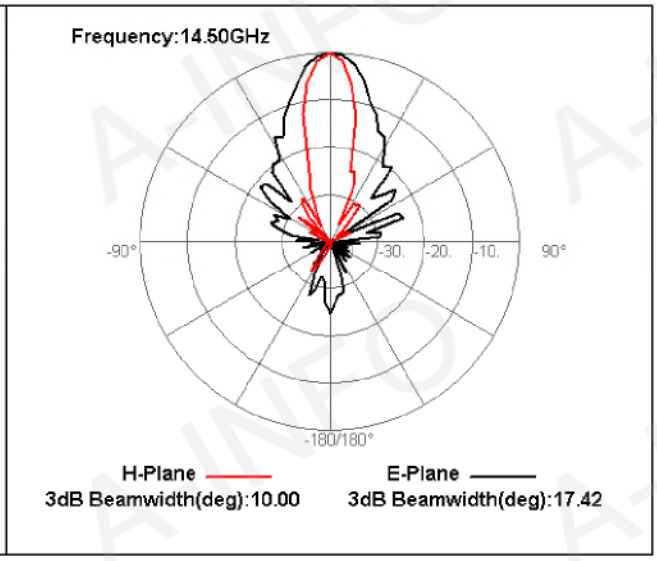


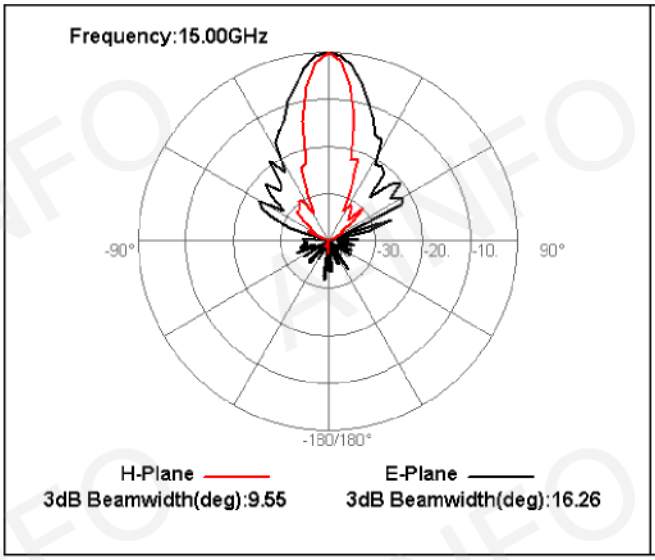
3dB Beamwidth(deg):11.90 3dB Beamwidth(deg):18.09

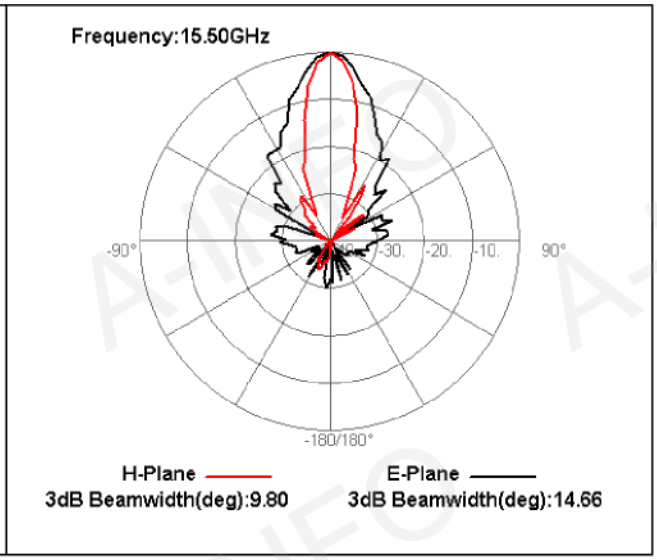


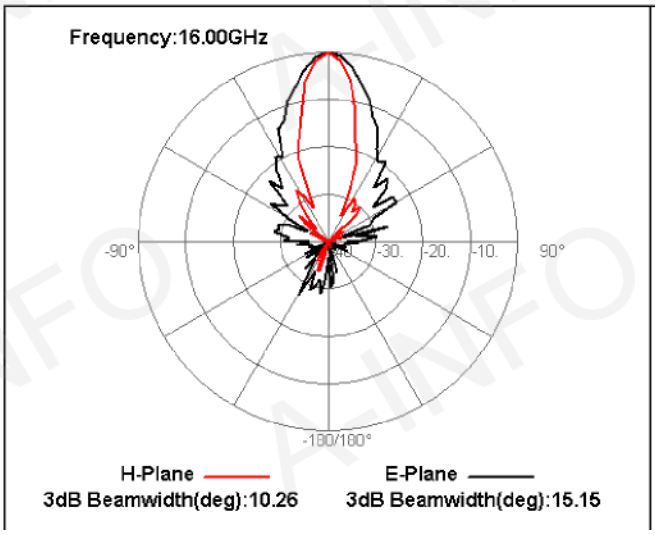
3dB Beamwidth(deg):10.77 3dB Beamwidth(deg):18.06

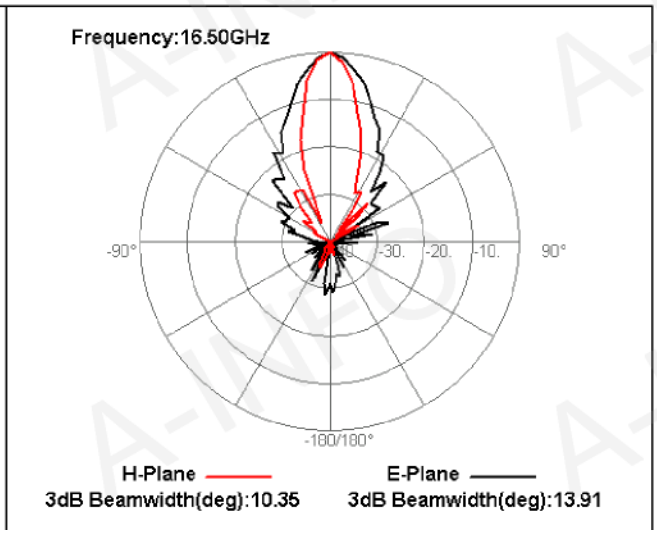

Frequency:14.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):10.51
3dB Beamwidth(deg):17.03

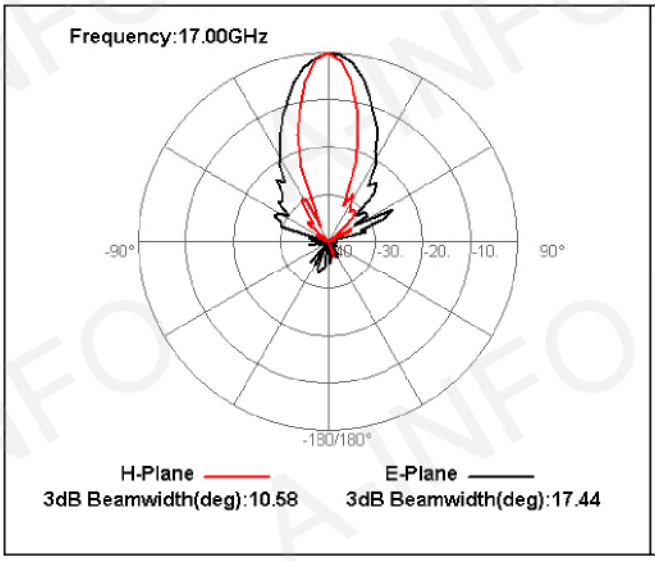

Frequency:14.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):10.00
3dB Beamwidth(deg):17.42

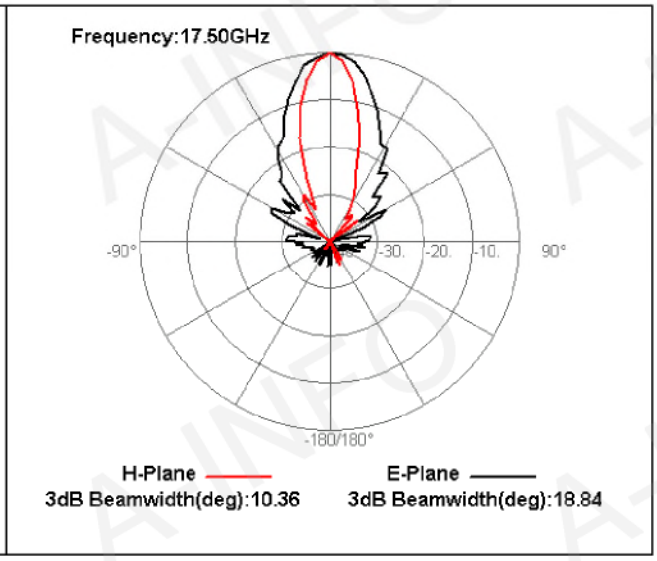

Frequency:15.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):9.55
3dB Beamwidth(deg):16.26

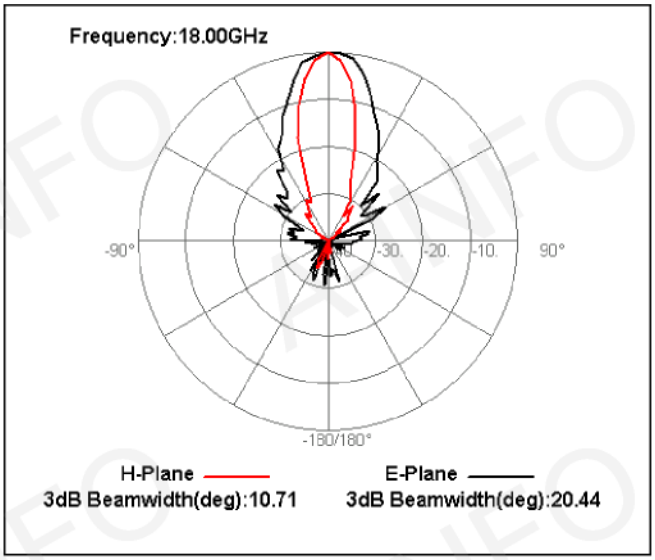

Frequency:15.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):9.80
3dB Beamwidth(deg):14.66


Frequency:16.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):10.26
3dB Beamwidth(deg):15.15


Frequency:16.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):10.35
3dB Beamwidth(deg):13.91


Frequency:17.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):10.58
E-Plane
3dB Beamwidth(deg):17.44


Frequency:17.50GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):10.36
E-Plane
3dB Beamwidth(deg):18.84


Frequency:18.00GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):10.71
E-Plane
3dB Beamwidth(deg):20.44