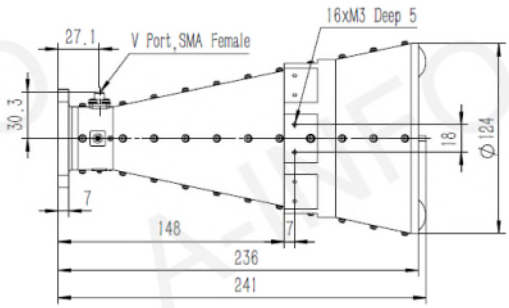
Technical Specification

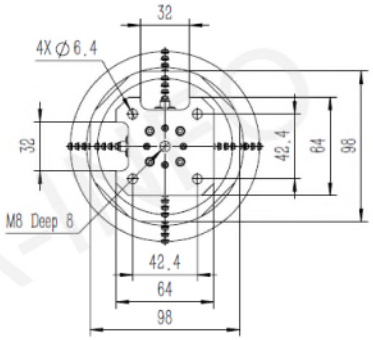
Frequency Range(GHz)	2.0 – 18.0
Gain(dBi)	16 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	86 - 11
Cross Pol. Isolation(dB)	30 Typ.
	20 Min.
Port to Port Isolation(dB)	40 Typ.
	30 Min.
VSWR	1.5:1 Typ.
	2.0:1 Max.
Output	SMA-Female or N-Female
Power Handling(W CW)	SMA-Female: 25 Max.
	N-Female: 25 Max.
Material	Al
Size(mm)	124 x 124 x 241
Net Weight(Kg)	0.87 Around

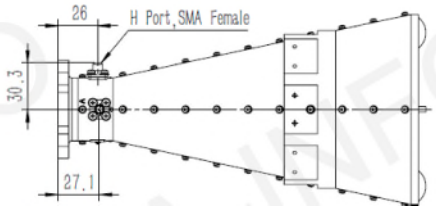
Outline Drawing (Size: mm)

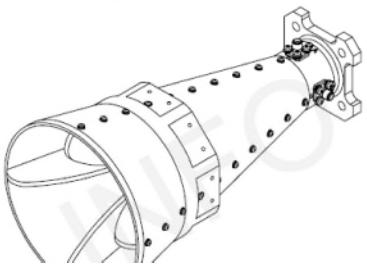
SMA-Female Output (P/N: LB-CSJ-20180-SF)

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



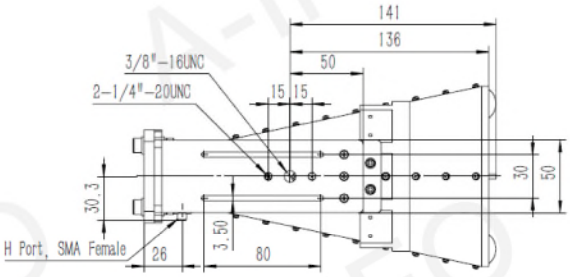


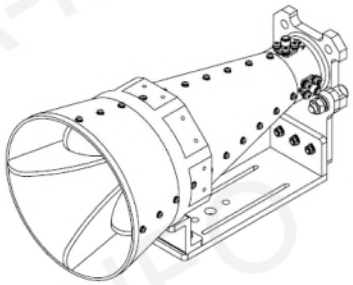


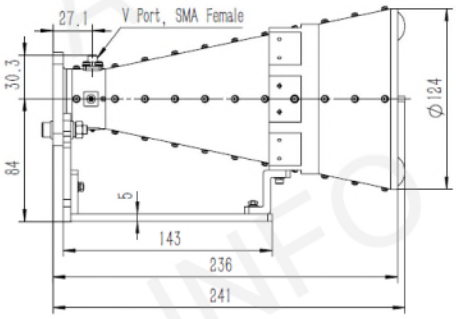


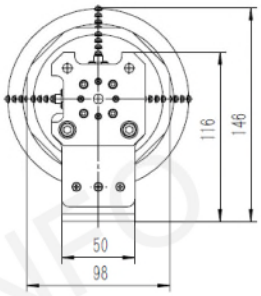
SMA-Female Output with L Type Mounting Bracket (Option, P/N: LB-CSJ-20180-L)

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



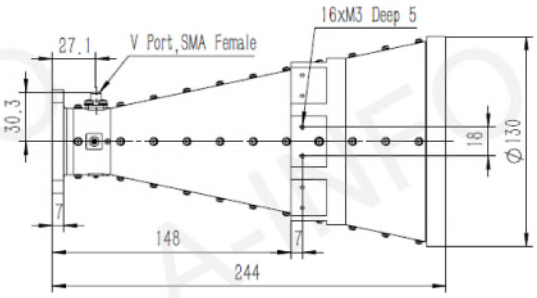


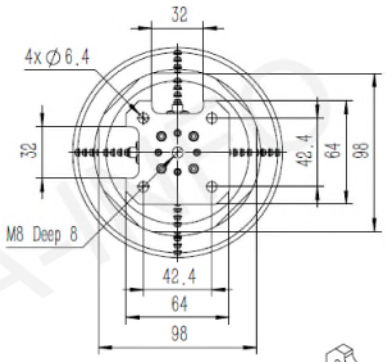


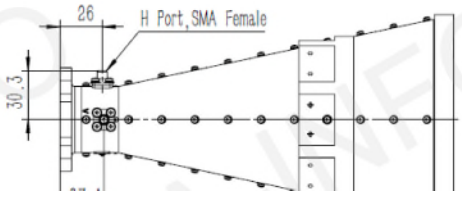


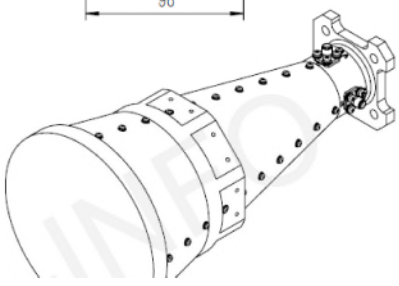
SMA-Female Output with Radome (Option, P/N: LB-CSJ-20180-SFSPO)

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



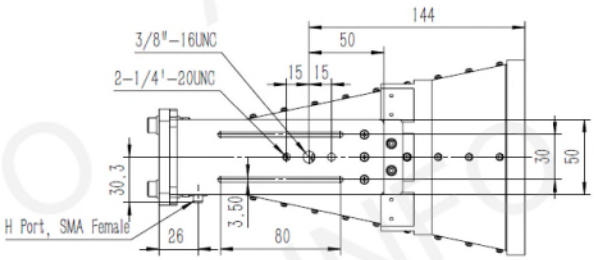


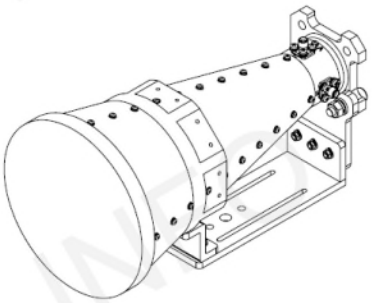


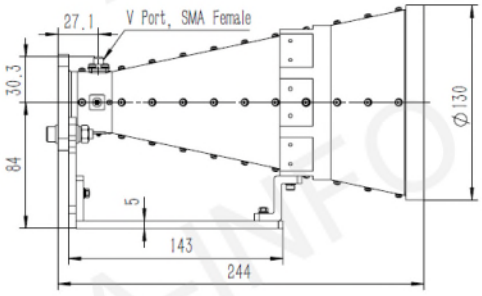


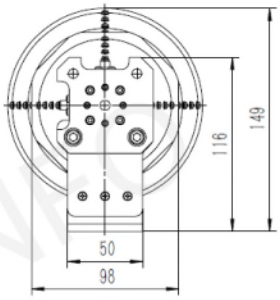
SMA-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-CSJ-20180-L & LB-CSJ-20180-SFSPO)

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



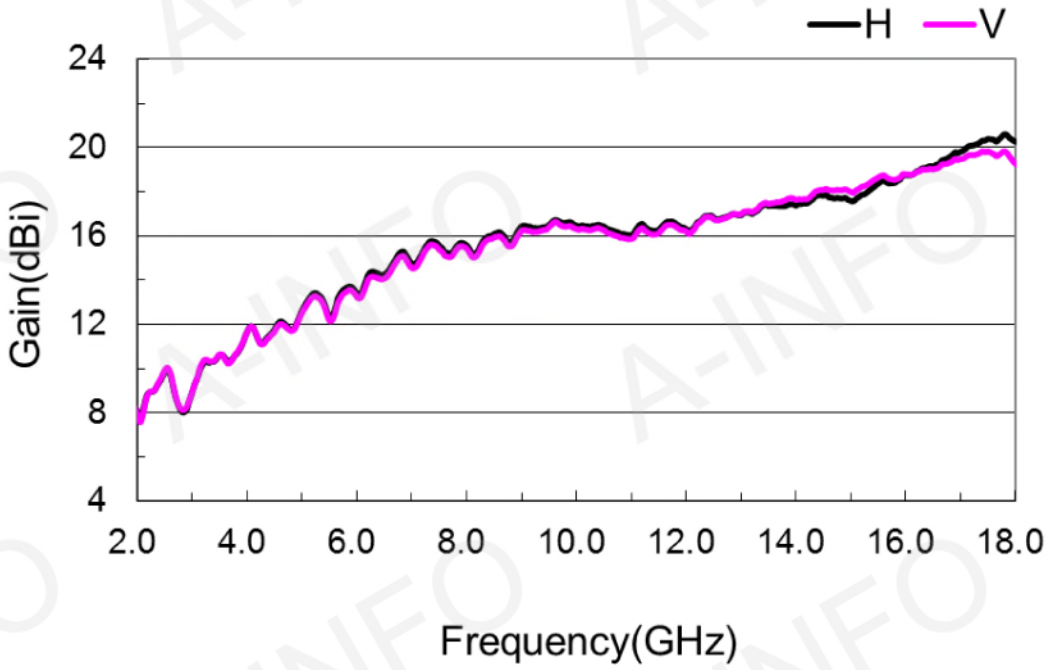


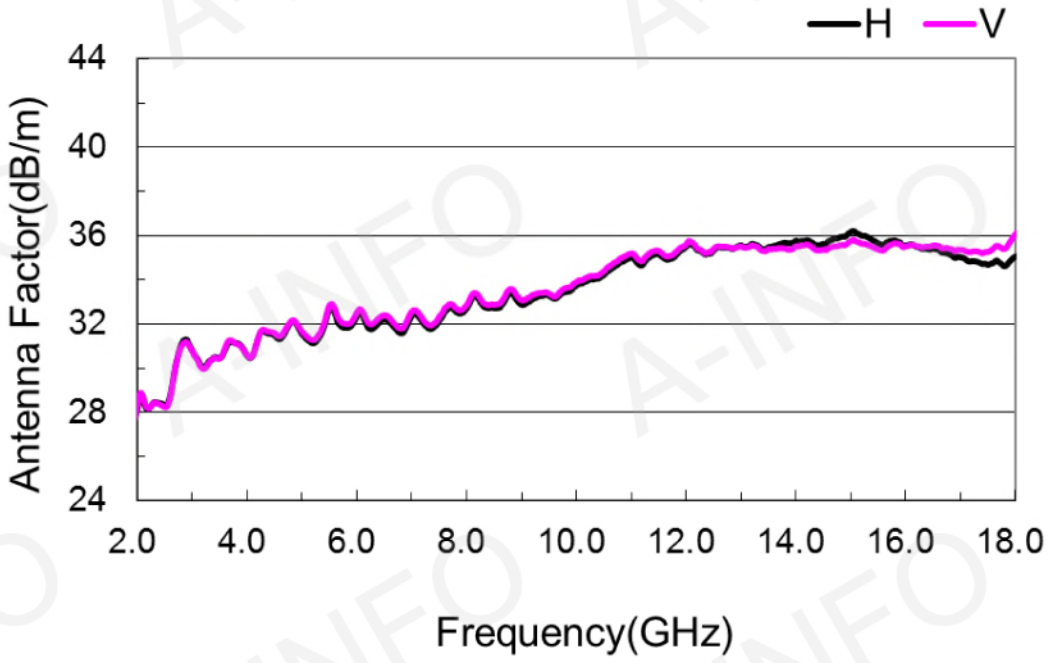




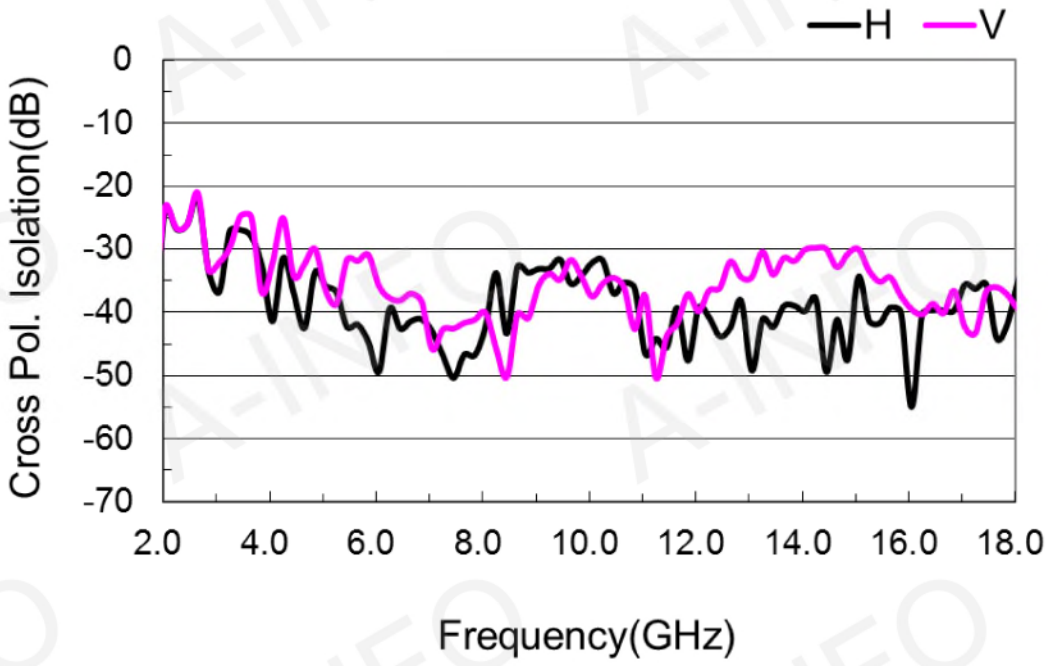
Test Results

1. Gain and Antenna Factor

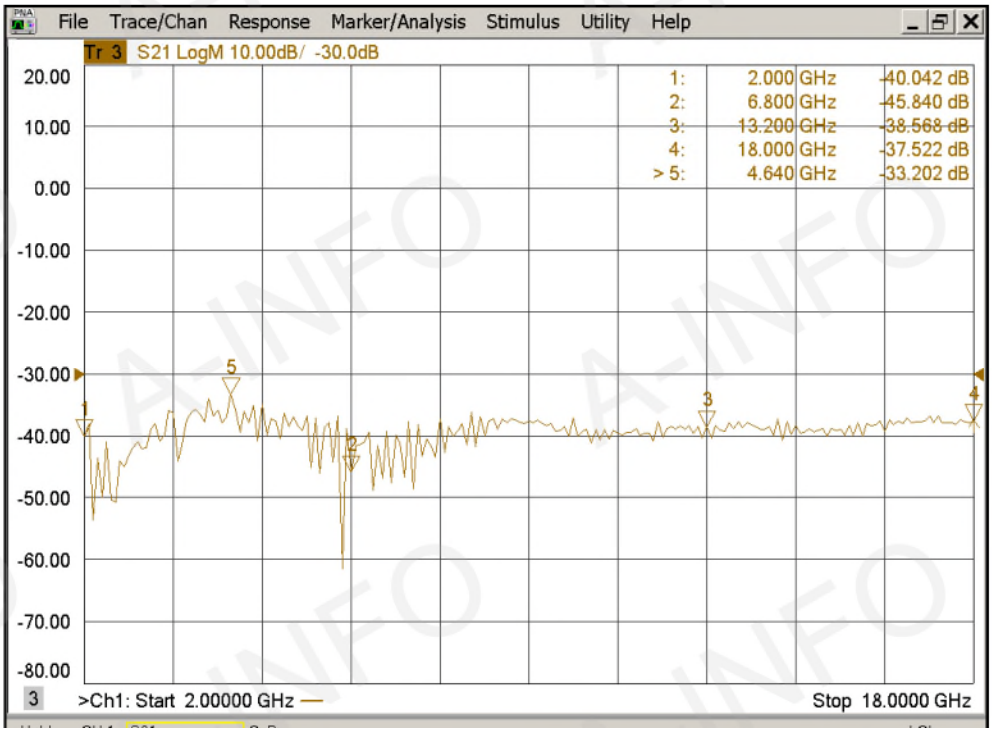




2. Cross Polarization Isolation

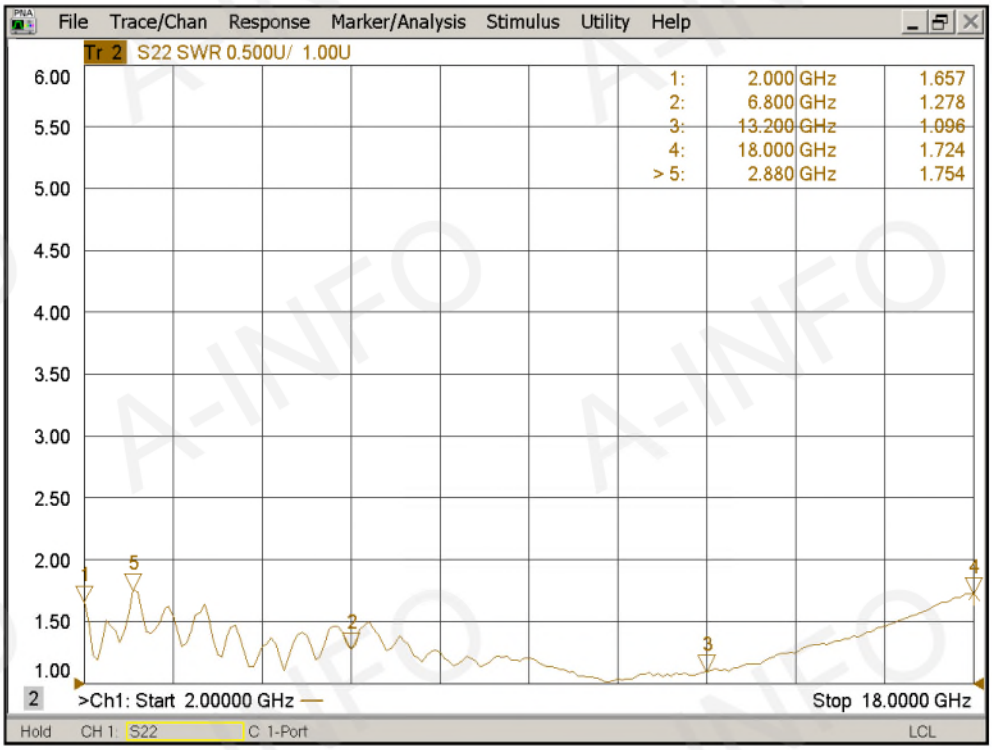


3. Port to Port Isolation

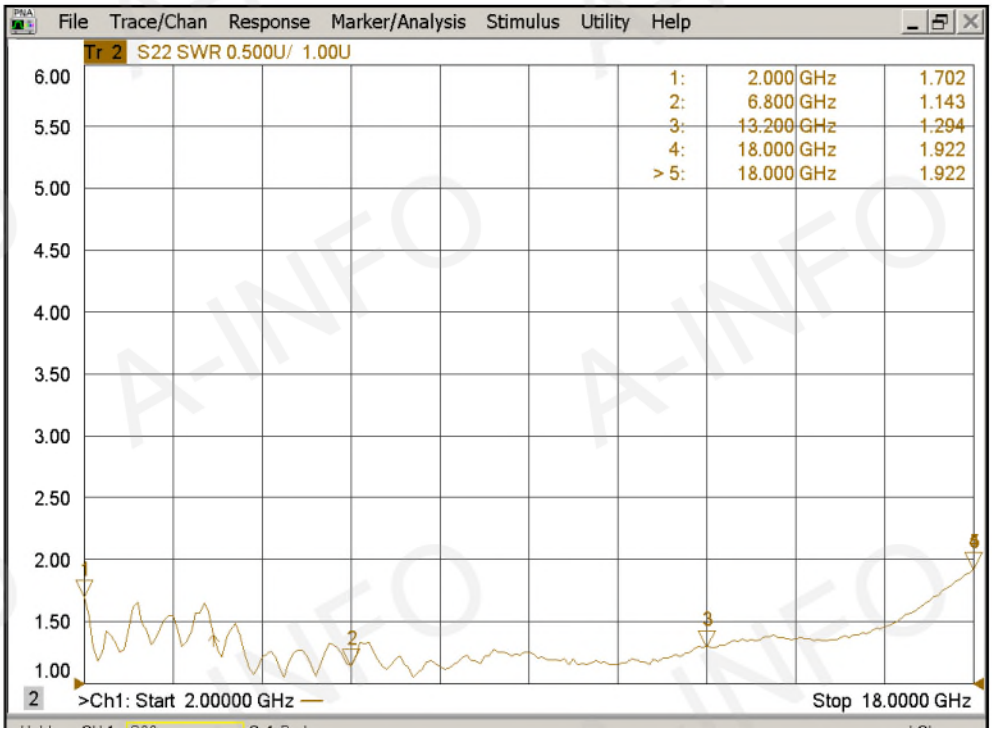


4. VSWR

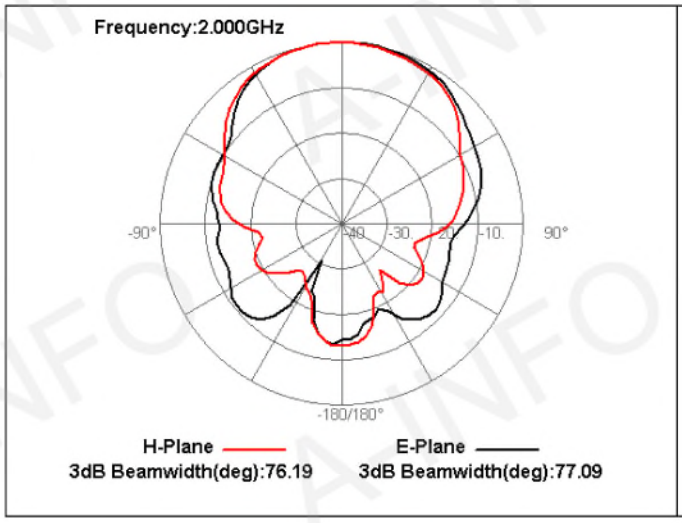
Port-H

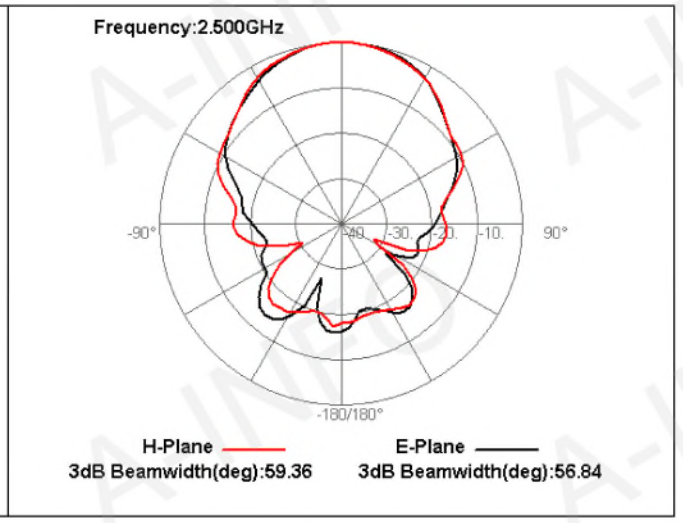


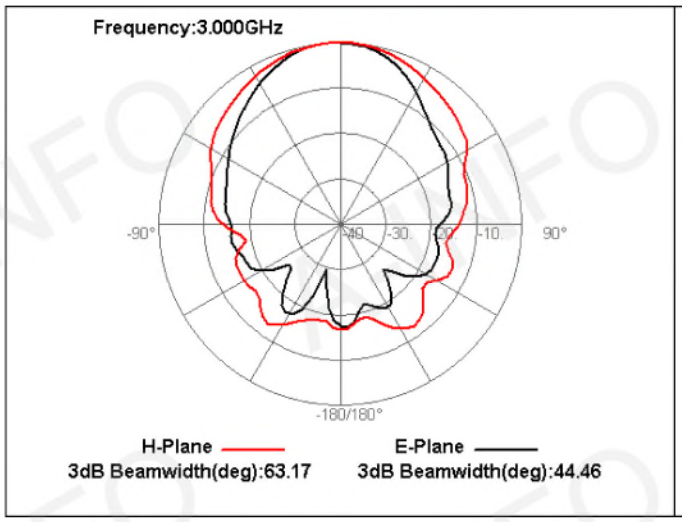
Port-V

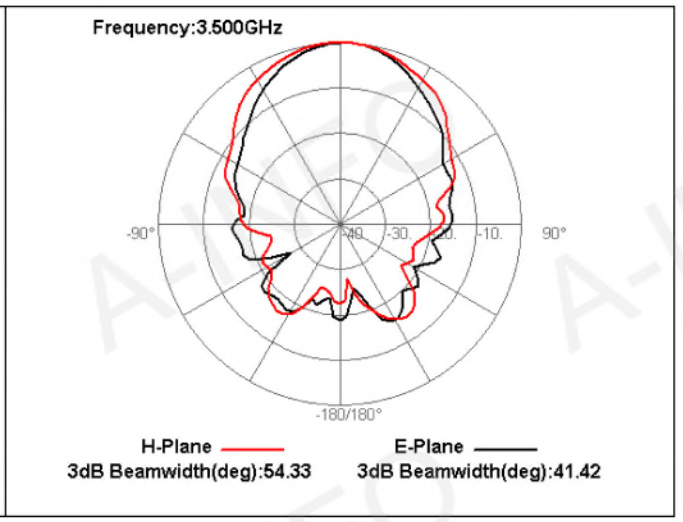


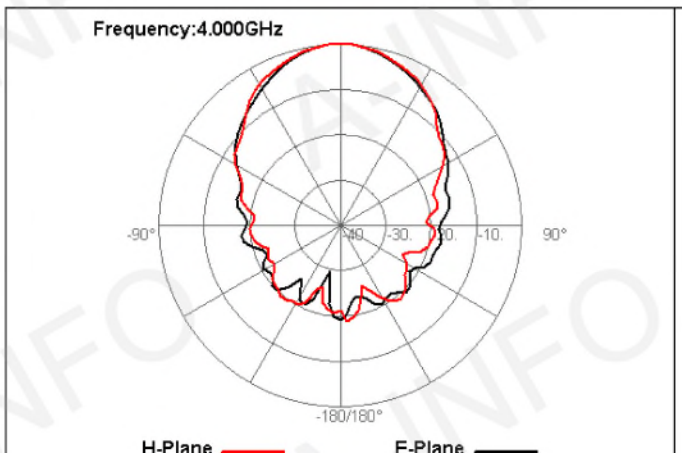
5. Pattern

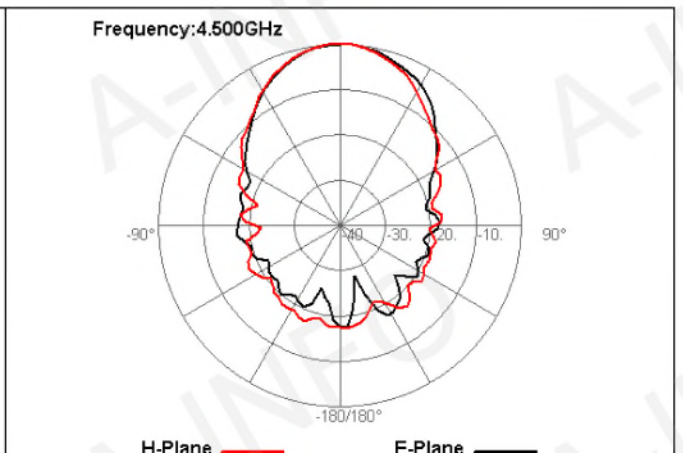

Frequency:2.000GHz
-90°
90°
-40.
-30.
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):76.19
3dB Beamwidth(deg):77.09

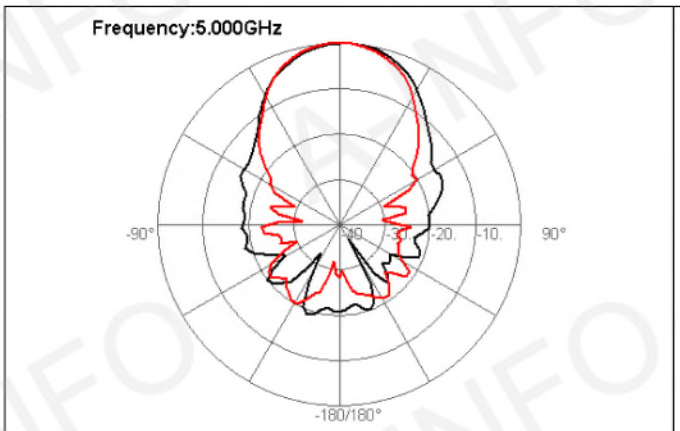

Frequency:2.500GHz
-90°
90°
-40.
-30.
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):59.36
3dB Beamwidth(deg):56.84


Frequency:3.000GHz
-90°
90°
-40.
-30.
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):63.17
3dB Beamwidth(deg):44.46

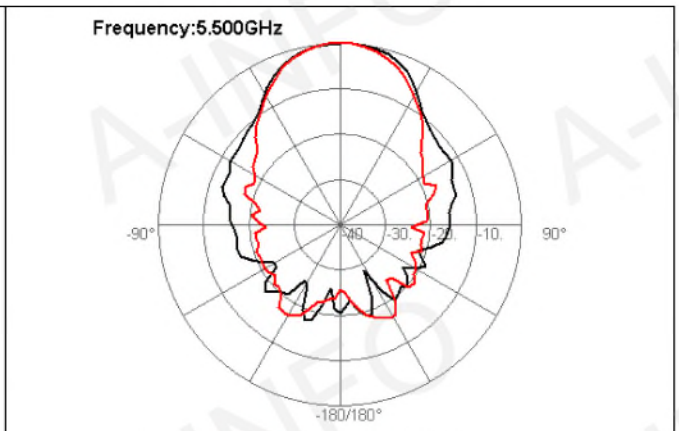

Frequency:3.500GHz
-90°
90°
-40.
-30.
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):54.33
3dB Beamwidth(deg):41.42


Frequency:4.000GHz
-90°
90°
-40.
-30.
-20.
-10.
-180/180°
H-Plane
E-Plane

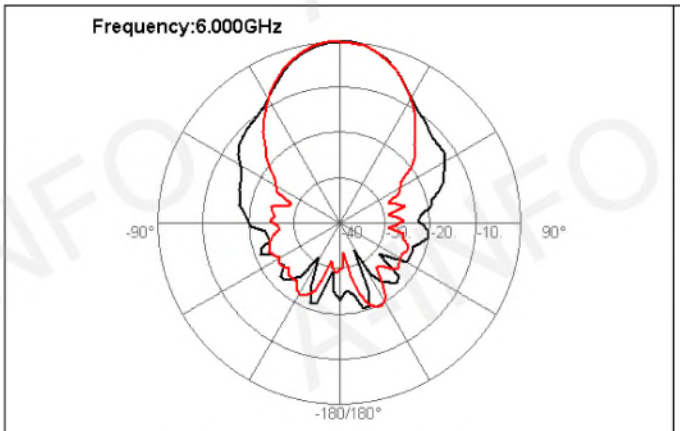

Frequency:4.500GHz
-90°
90°
-40.
-30.
-20.
-10.
-180/180°
H-Plane
E-Plane



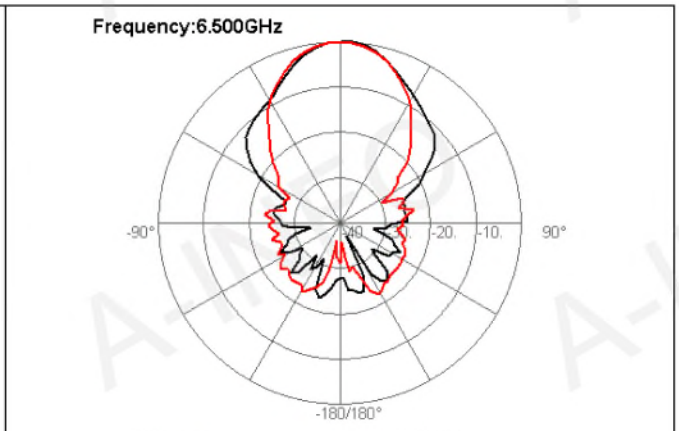
3dB Beamwidth(deg):39.43 3dB Beamwidth(deg):41.31



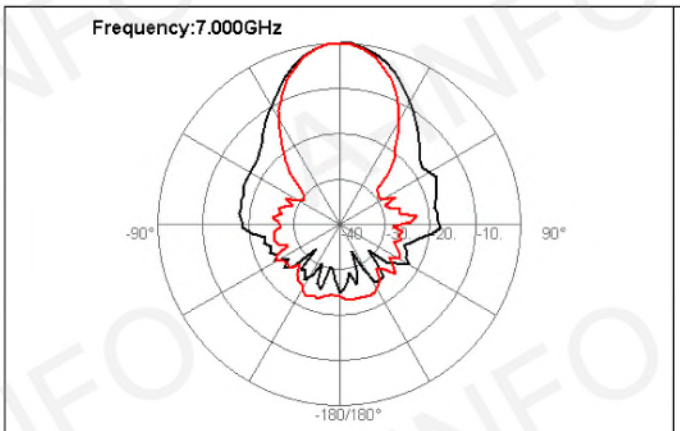
3dB Beamwidth(deg):38.50 3dB Beamwidth(deg):43.68



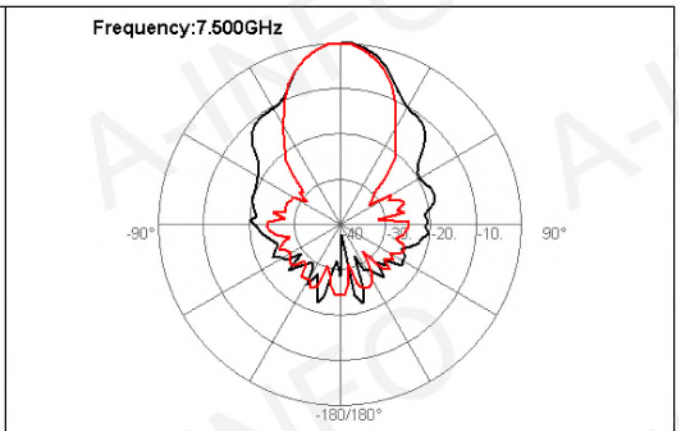
3dB Beamwidth(deg):34.57 3dB Beamwidth(deg):34.11



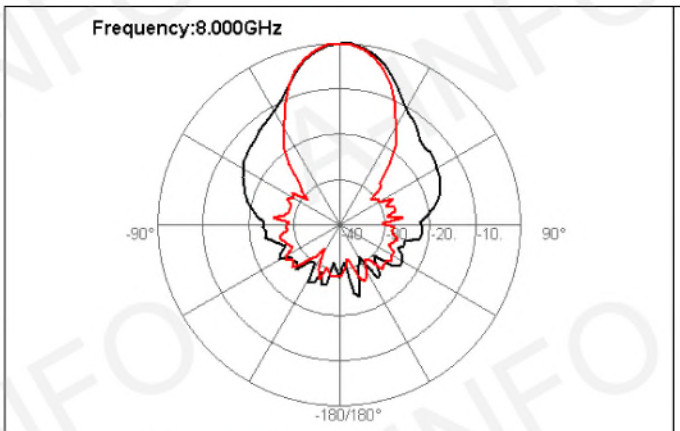
3dB Beamwidth(deg):32.34 3dB Beamwidth(deg):31.21



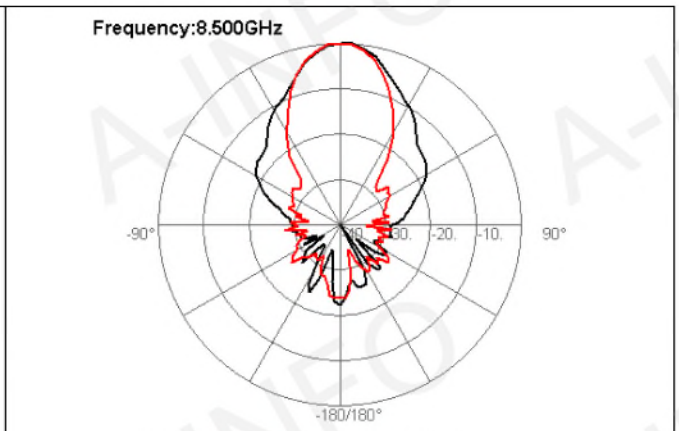
3dB Beamwidth(deg):26.99 3dB Beamwidth(deg):30.67



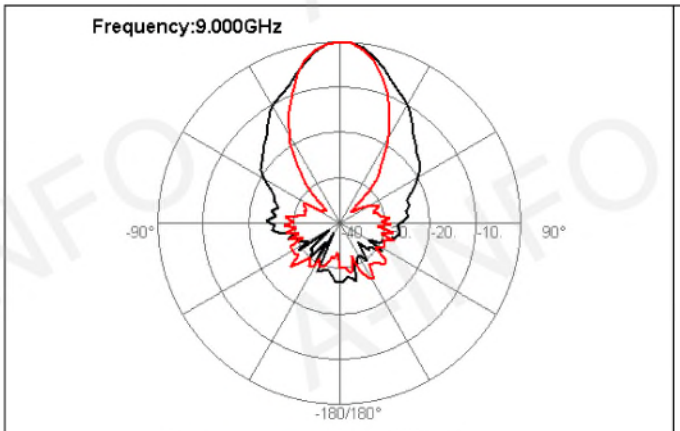
3dB Beamwidth(deg):25.50 3dB Beamwidth(deg):26.68



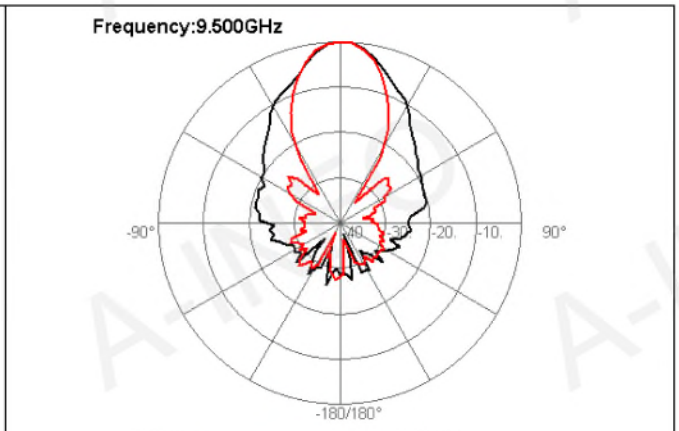
3dB Beamwidth(deg):25.50 3dB Beamwidth(deg):26.80



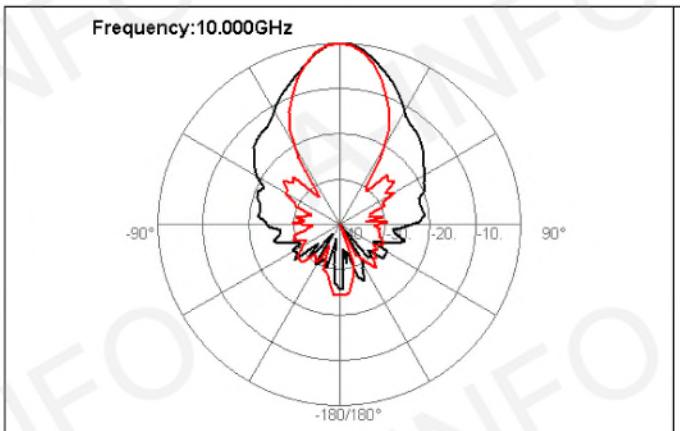
3dB Beamwidth(deg):23.25 3dB Beamwidth(deg):24.38



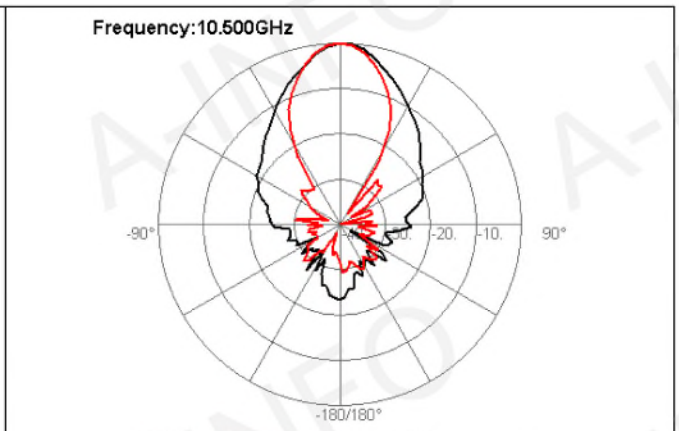
3dB Beamwidth(deg):22.08 3dB Beamwidth(deg):23.29



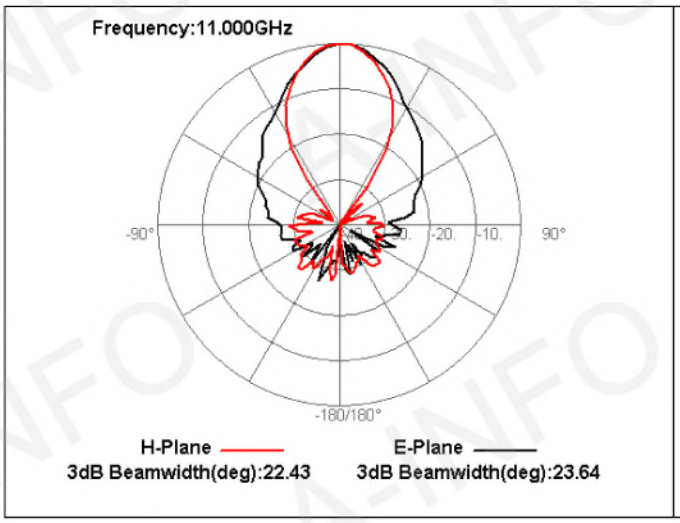
3dB Beamwidth(deg):21.46 3dB Beamwidth(deg):22.18



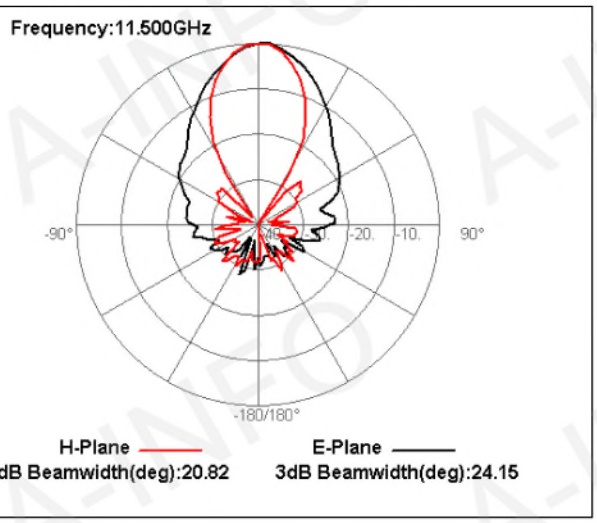
3dB Beamwidth(deg):20.50 3dB Beamwidth(deg):22.37



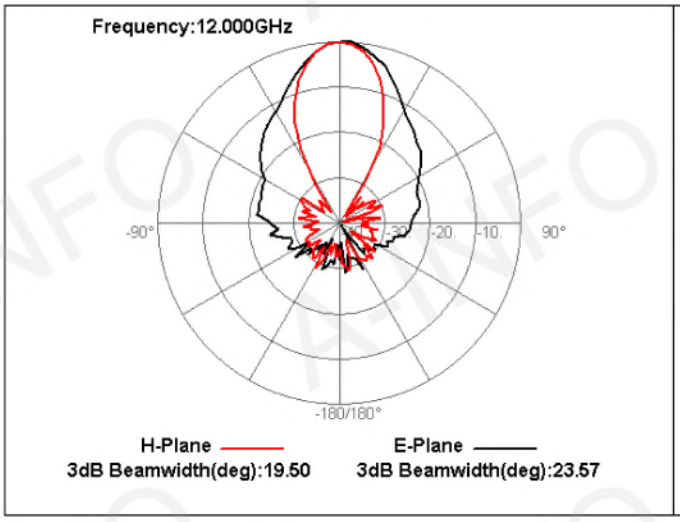
3dB Beamwidth(deg):20.88 3dB Beamwidth(deg):22.68



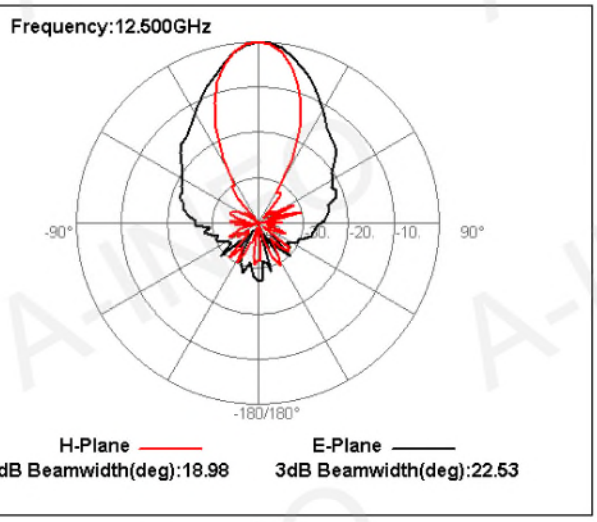
3dB Beamwidth(deg):22.43 3dB Beamwidth(deg):23.64



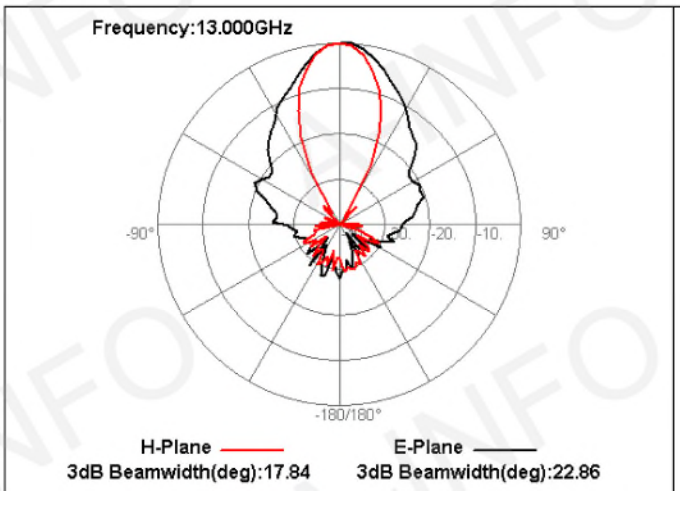
3dB Beamwidth(deg):20.82 3dB Beamwidth(deg):24.15



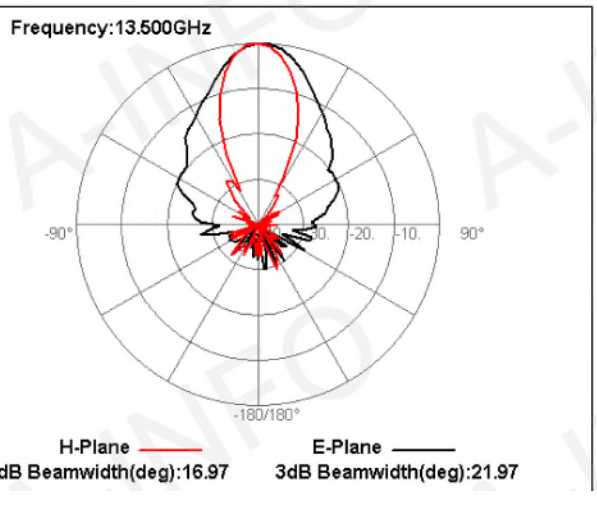
3dB Beamwidth(deg):19.50 3dB Beamwidth(deg):23.57



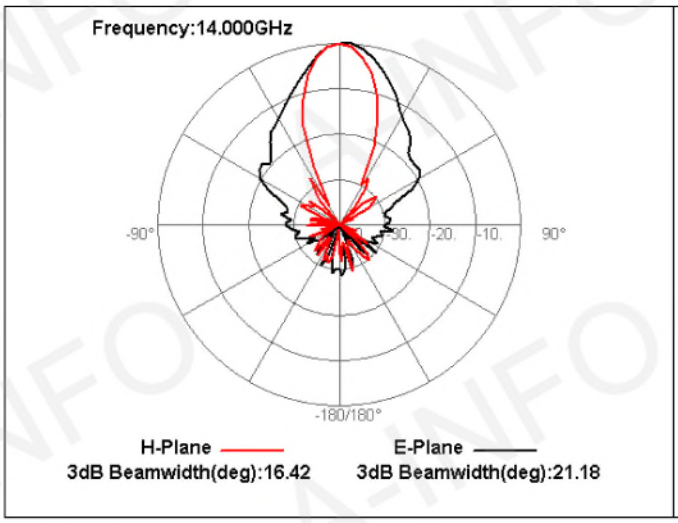
3dB Beamwidth(deg):18.98 3dB Beamwidth(deg):22.53



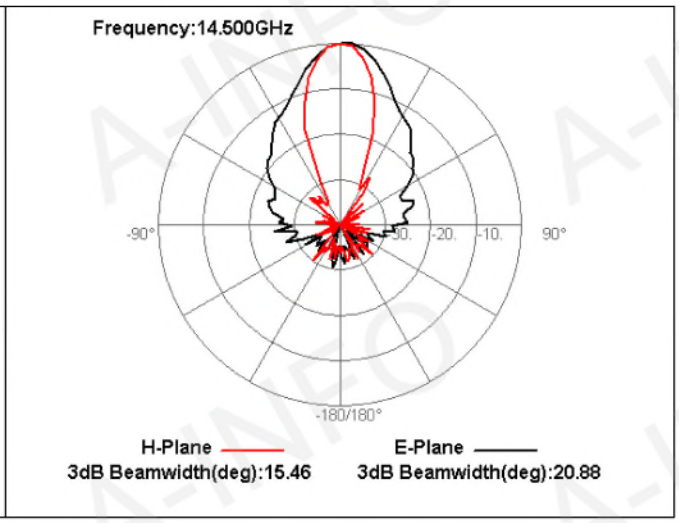
3dB Beamwidth(deg):17.84 3dB Beamwidth(deg):22.86



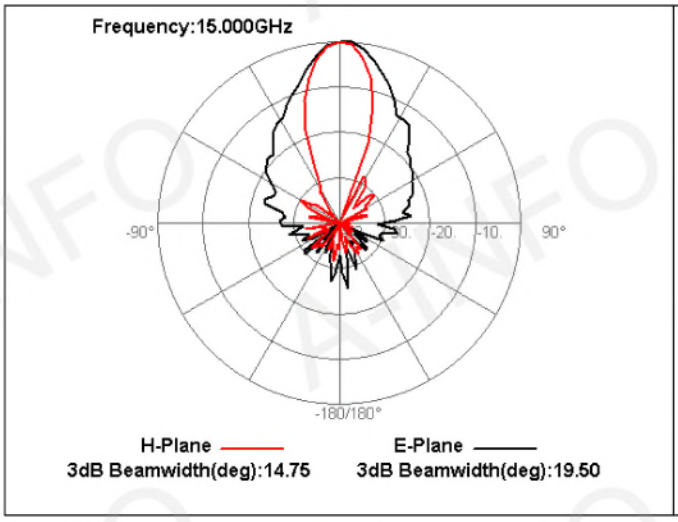
3dB Beamwidth(deg):16.97 3dB Beamwidth(deg):21.97



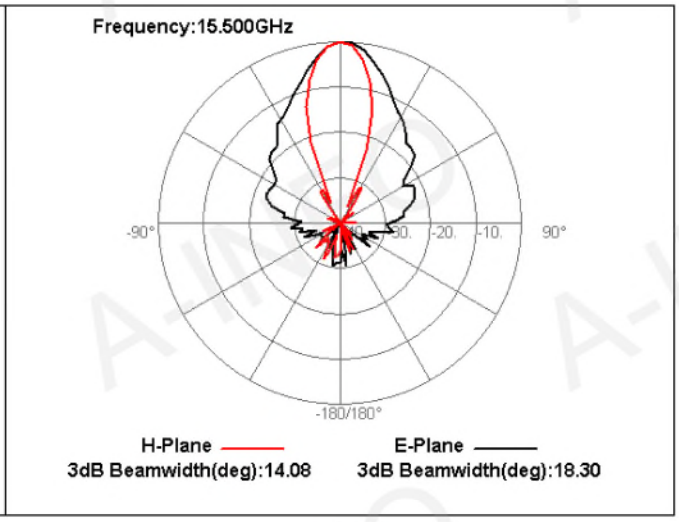
3dB Beamwidth(deg):16.42 3dB Beamwidth(deg):21.18



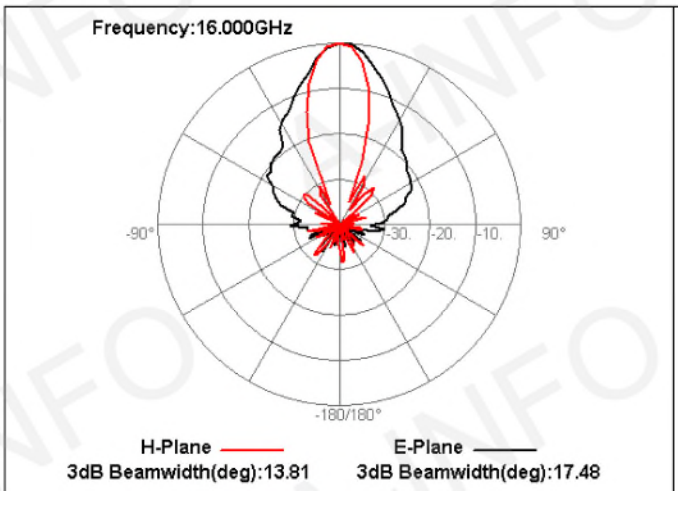
3dB Beamwidth(deg):15.46 3dB Beamwidth(deg):20.88



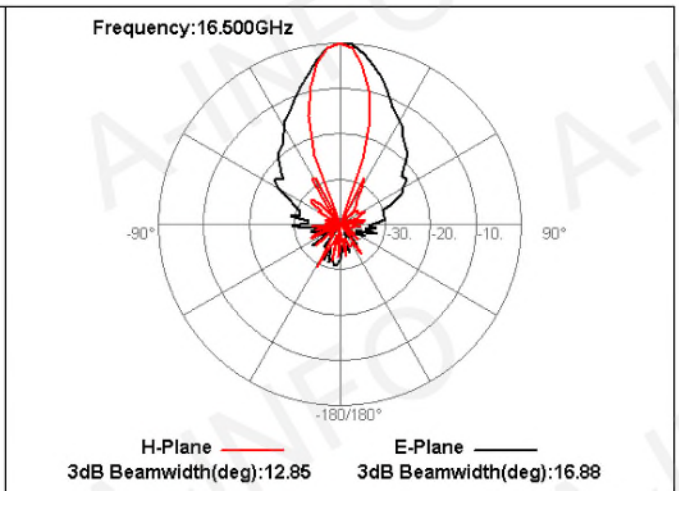
3dB Beamwidth(deg):14.75 3dB Beamwidth(deg):19.50



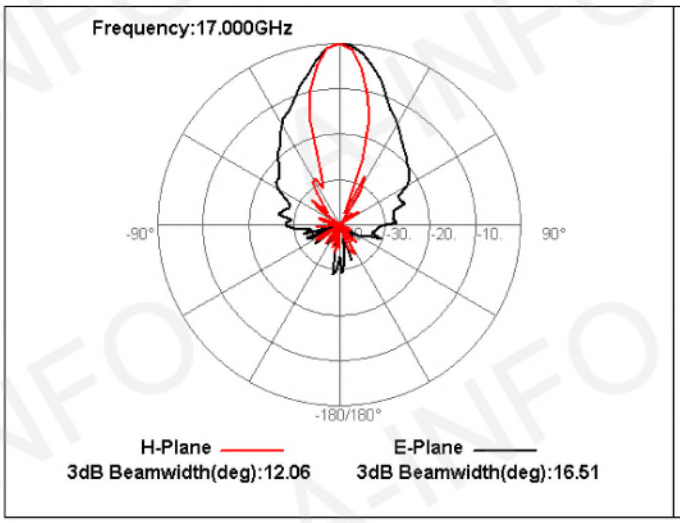
3dB Beamwidth(deg):14.08 3dB Beamwidth(deg):18.30

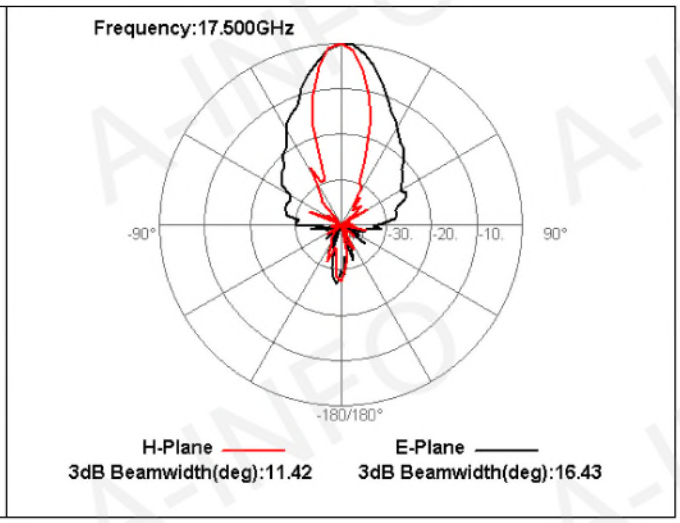


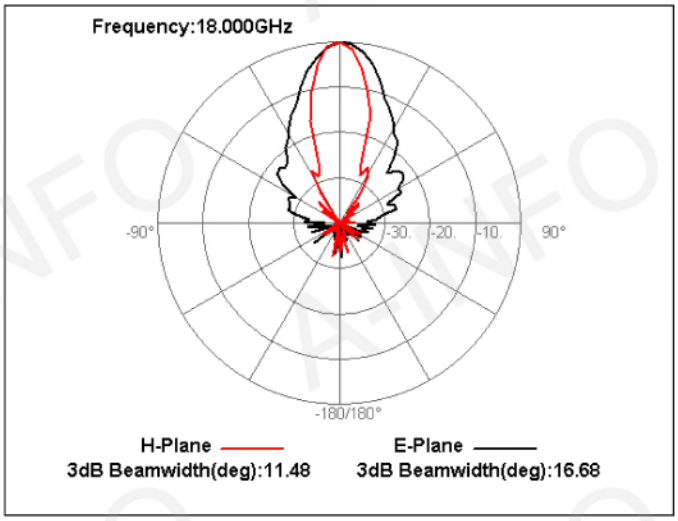
3dB Beamwidth(deg):13.81 3dB Beamwidth(deg):17.48



3dB Beamwidth(deg):12.85 3dB Beamwidth(deg):16.88


Frequency:17.000GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):12.06
E-Plane
3dB Beamwidth(deg):16.51


Frequency:17.500GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):11.42
E-Plane
3dB Beamwidth(deg):16.43


Frequency:18.000GHz
-90°
-30.
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):11.48
E-Plane
3dB Beamwidth(deg):16.68