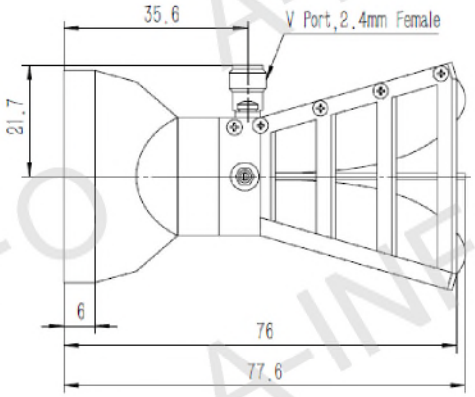
Technical Specification

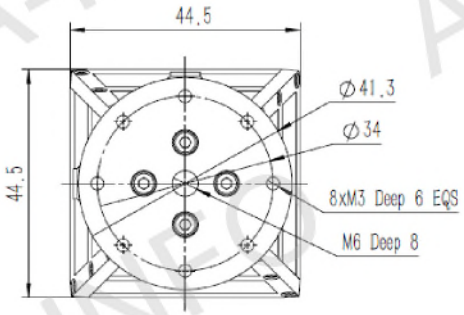
Frequency Range(GHz)	5.0 - 50.0
Gain(dBi)	12 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	101 - 14
Cross Pol. Isolation(dB)	30 Typ.
	20 Min.
Port to Port Isolation(dB)	20 Min.
VSWR	1.5:1 Typ.
	3.0:1 Max.
Output	2.4mm-Female
	or 1.85mm-Female
Power Handling(W)	2.4mm-Female: 10 Max. CW
	1.85mm-Female: 5 Max. CW
Material	Al
Size(mm)	44.5 x 44.5 x 77.6
Net Weight(Kg)	0.1 Around

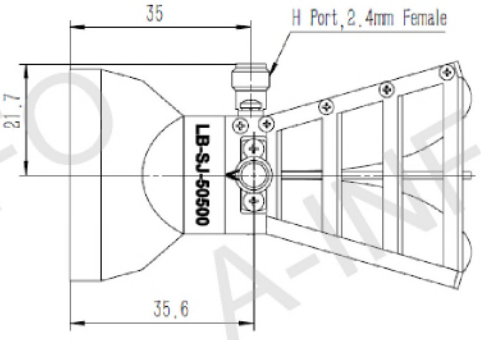
Outline Drawing (Size: mm)

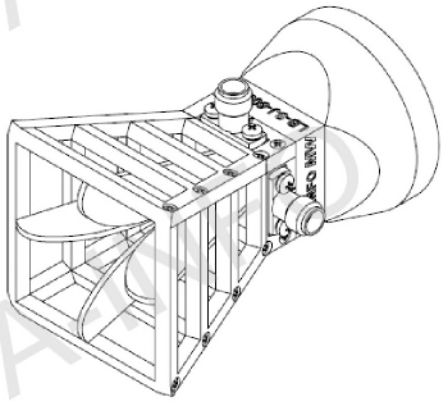
2.4mm-Female Output

For 1.85mm-Female output outline drawing, please contact A-INFO.



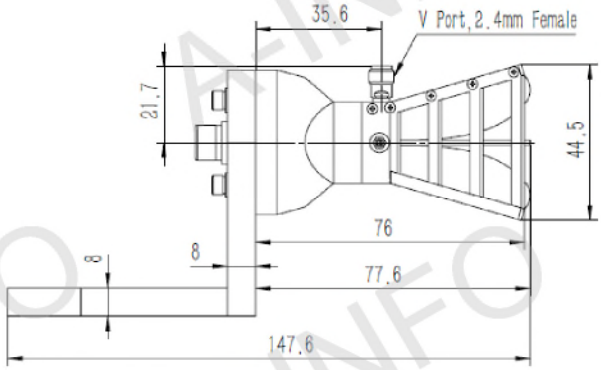


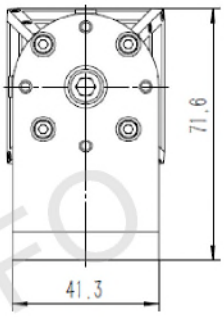


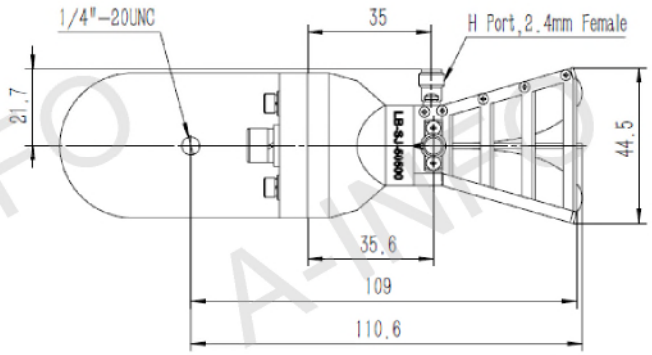


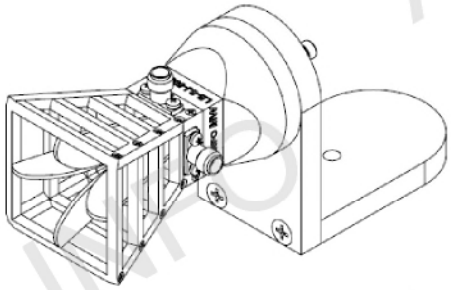
2.4mm-Female Output with L type mounting bracket

For 1.85mm-Female output outline drawing, please contact A-INFO.



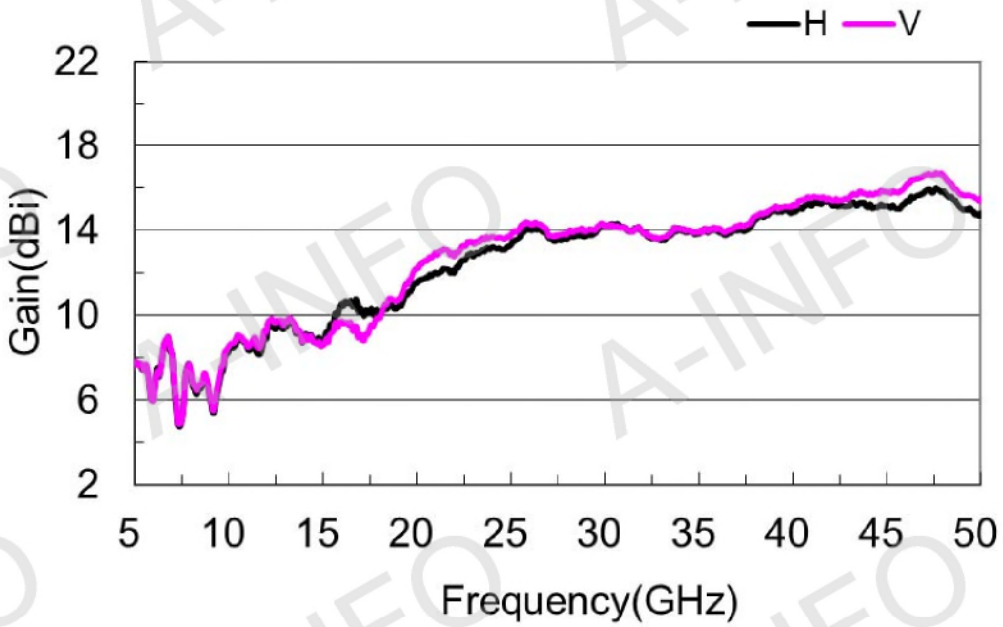


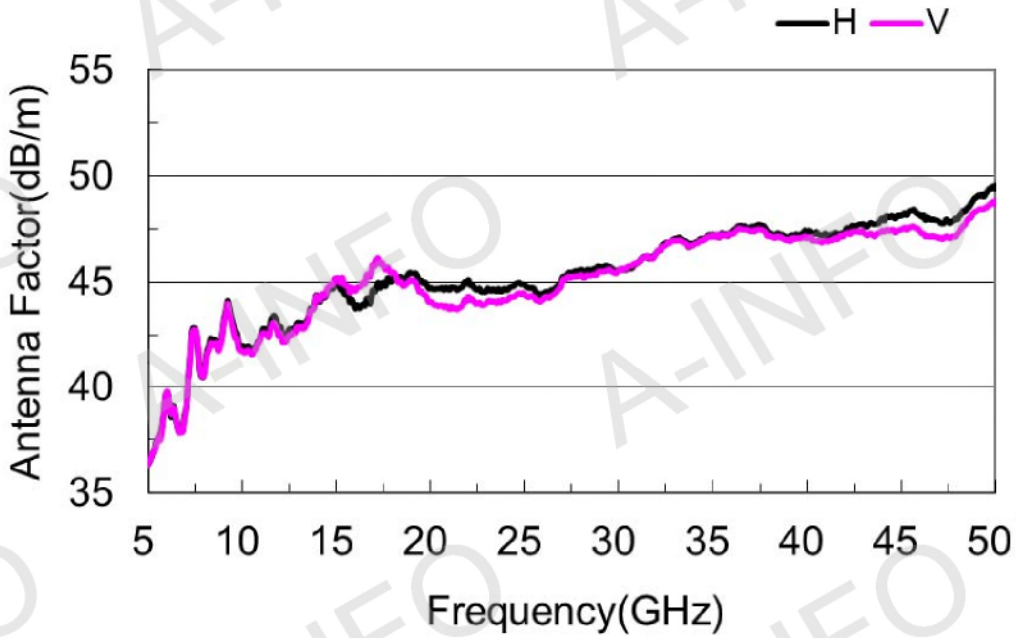




Test Results

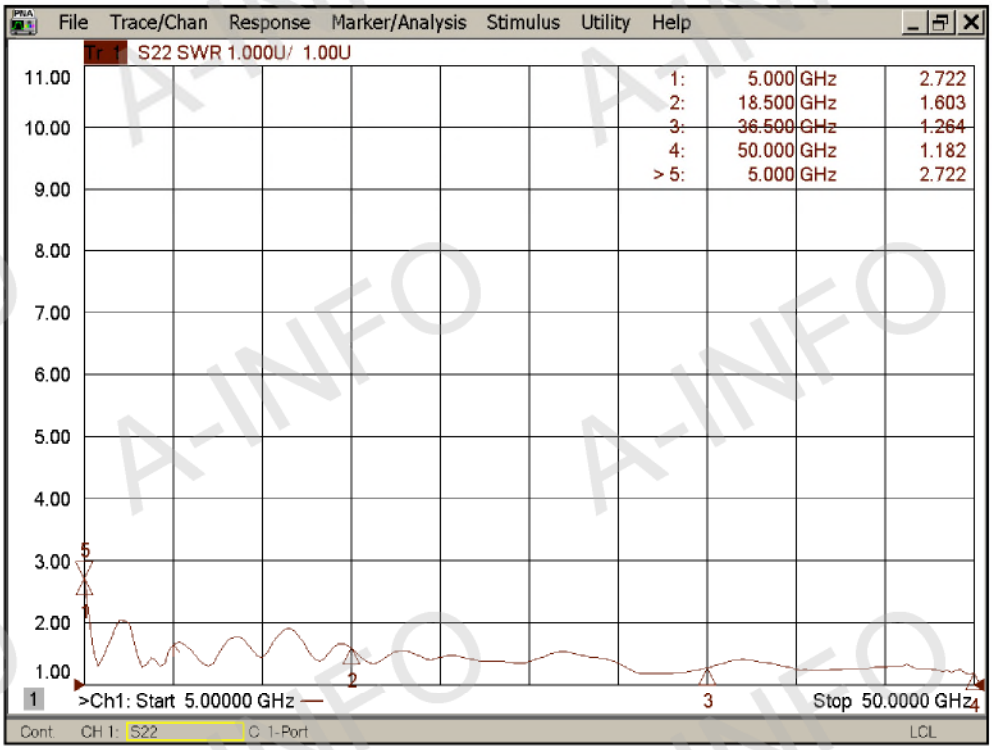
1. Gain and Antenna Factor



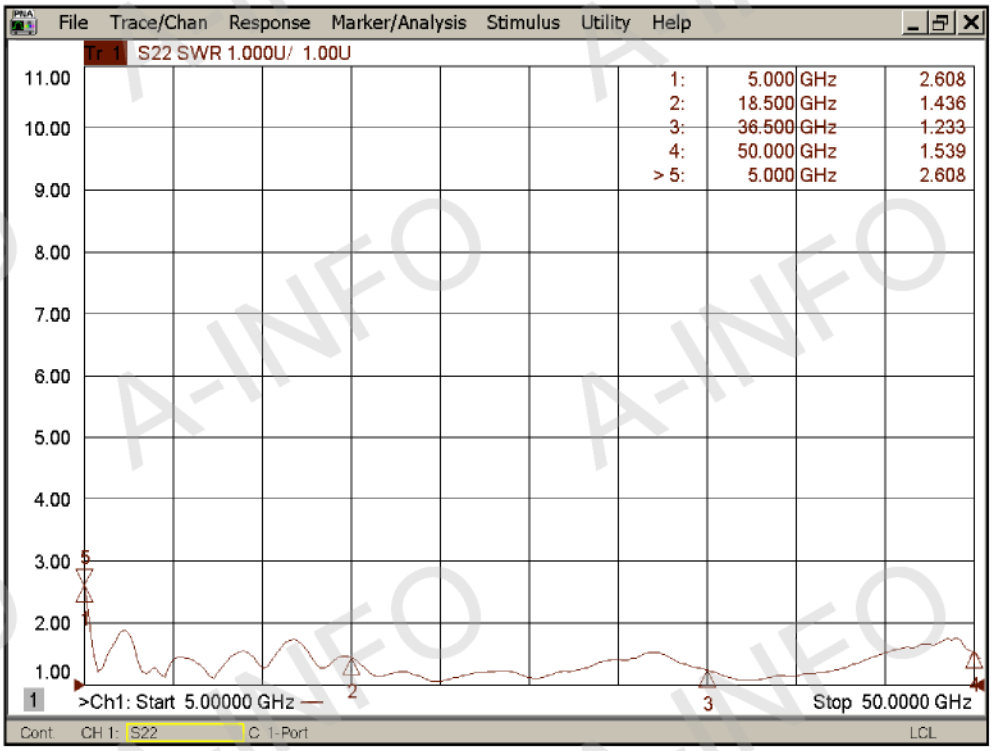


2. VSWR

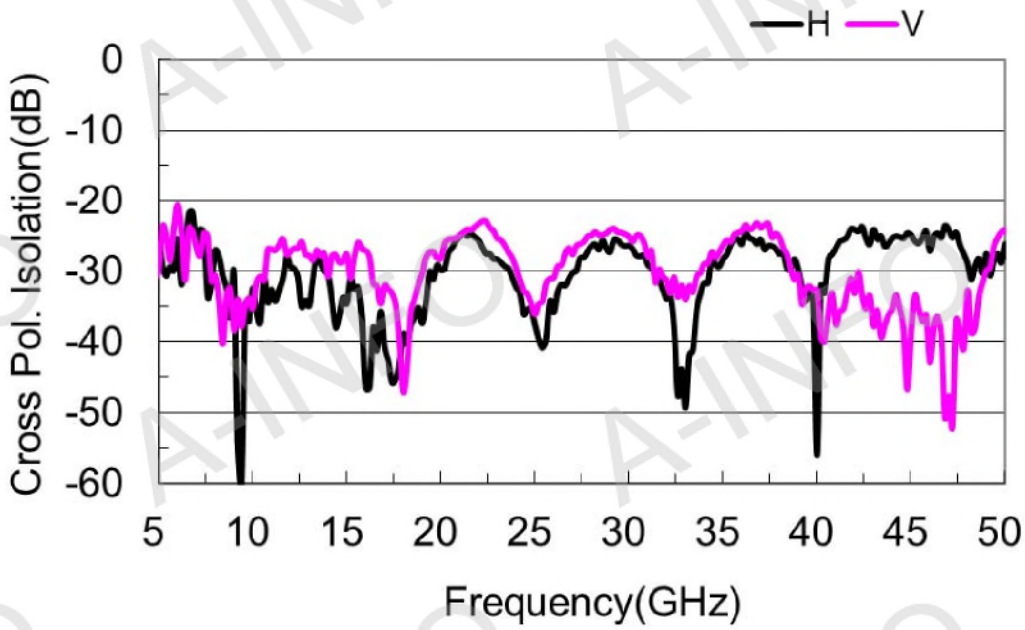
Port-V



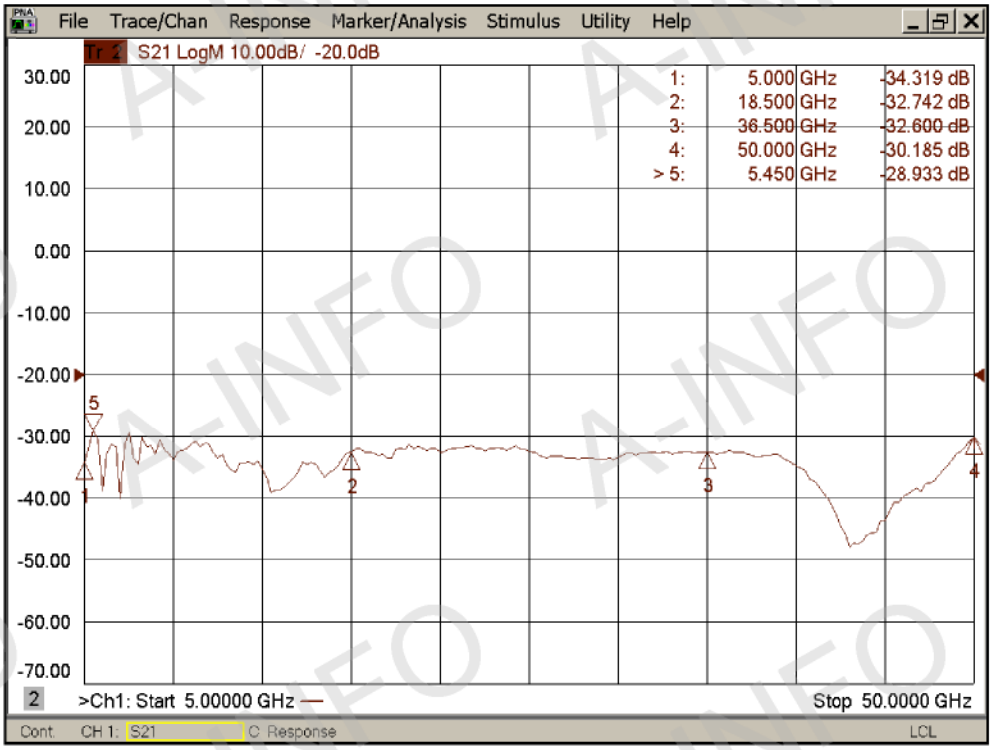
Port-H



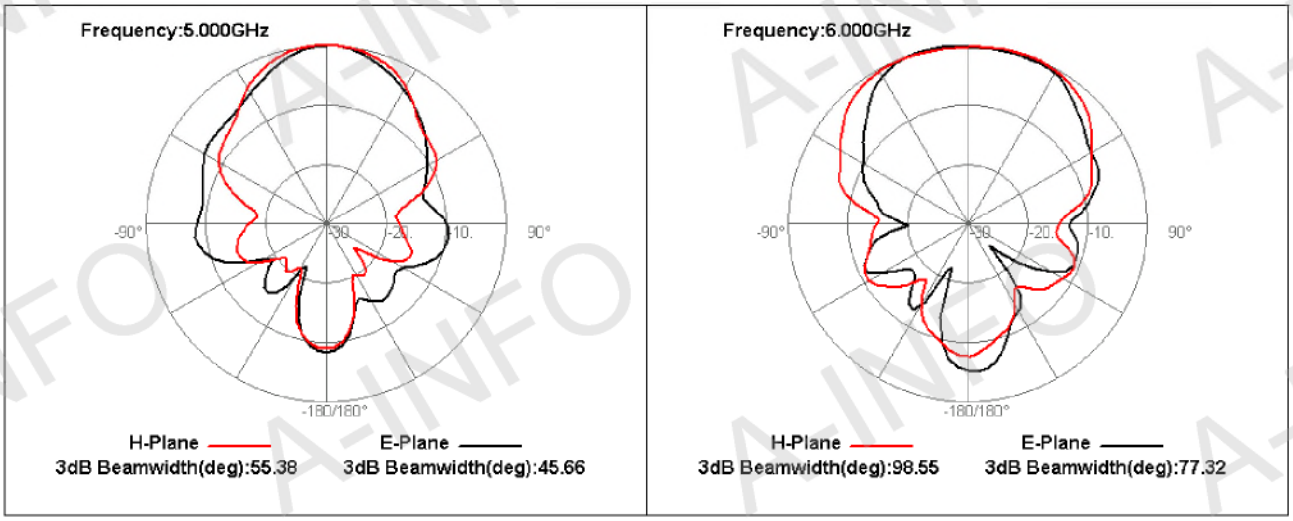
3. Cross Polarization Isolation

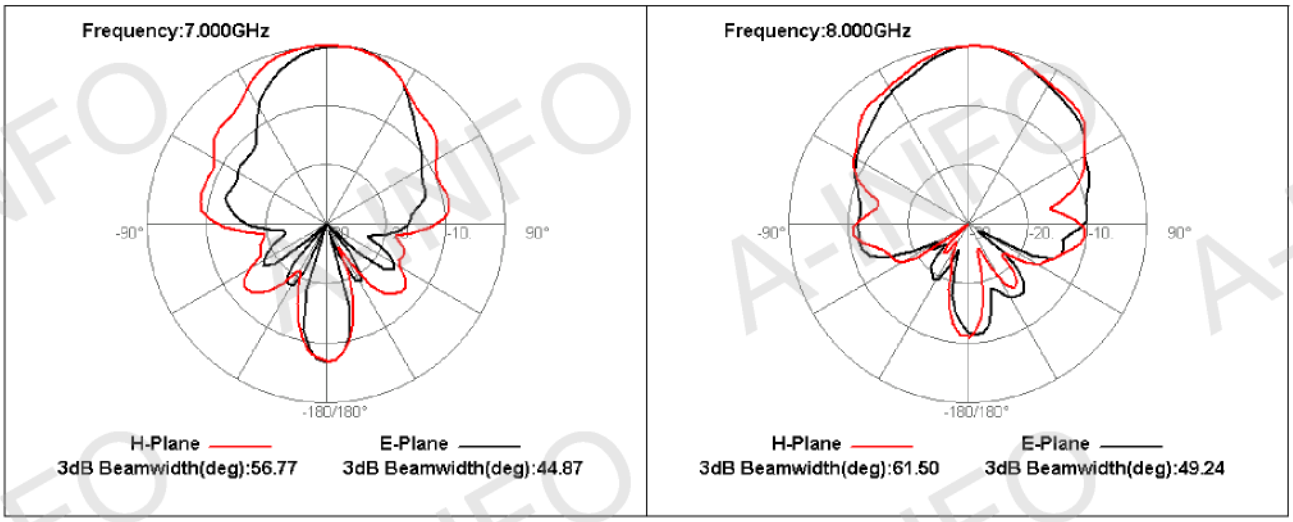


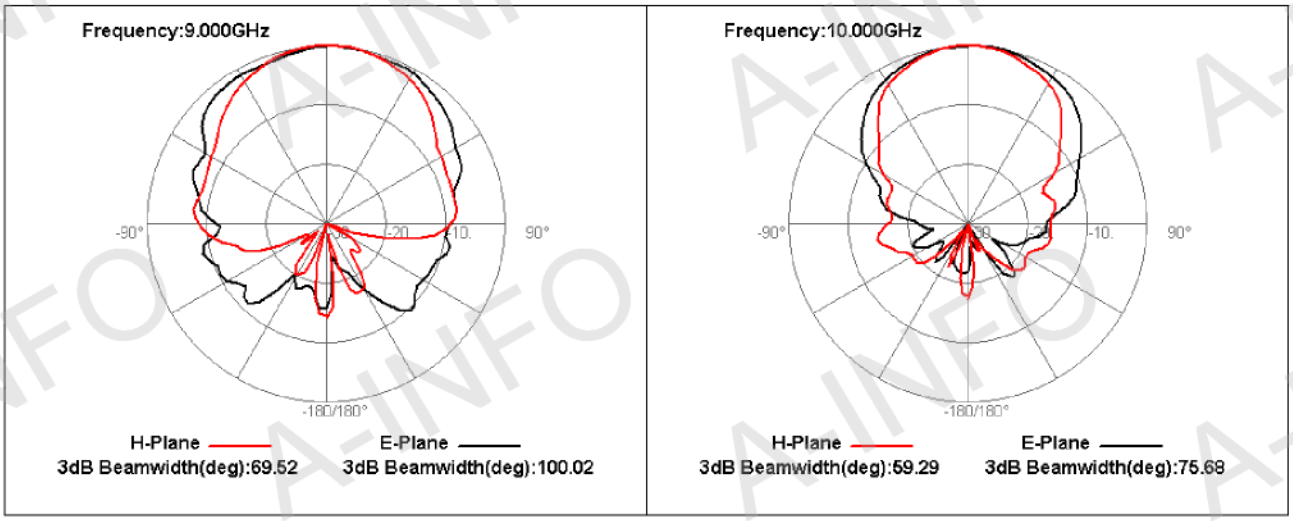
4. Port to Port Isolation

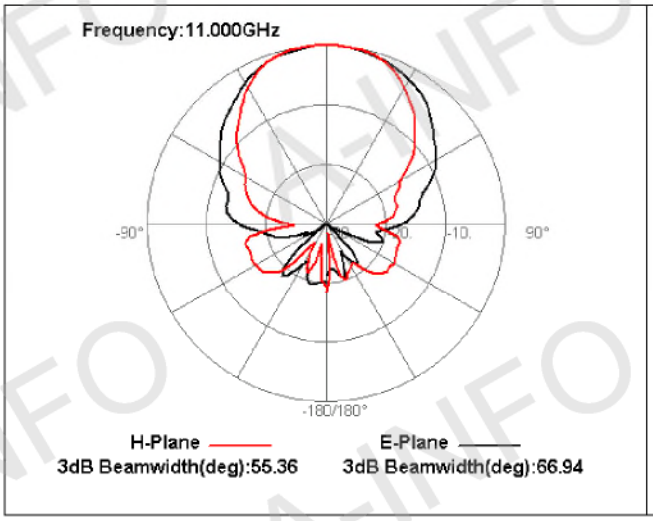


5. Pattern

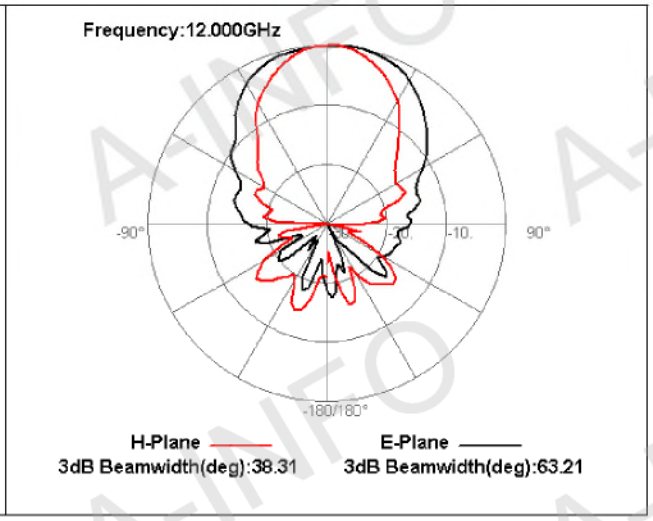

Frequency:5.000GHz
-90°
90°
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):55.38
E-Plane
3dB Beamwidth(deg):45.66
Frequency:6.000GHz
-90°
90°
-30
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):98.55
E-Plane
3dB Beamwidth(deg):77.32


Frequency:7.000GHz
-90°
90°
-10
-180/180°
H-Plane
3dB Beamwidth(deg):56.77
E-Plane
3dB Beamwidth(deg):44.87
Frequency:8.000GHz
-90°
90°
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):61.50
E-Plane
3dB Beamwidth(deg):49.24

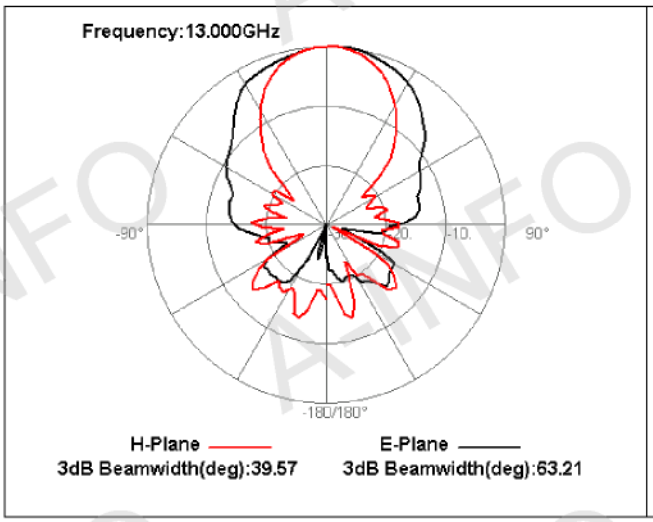

Frequency:9.000GHz
-90°
90°
-20
-10
-180/180°
H-Plane
3dB Beamwidth(deg):69.52
E-Plane
3dB Beamwidth(deg):100.02
Frequency:10.000GHz
-90°
90°
-10
-180/180°
H-Plane
3dB Beamwidth(deg):59.29
E-Plane
3dB Beamwidth(deg):75.68



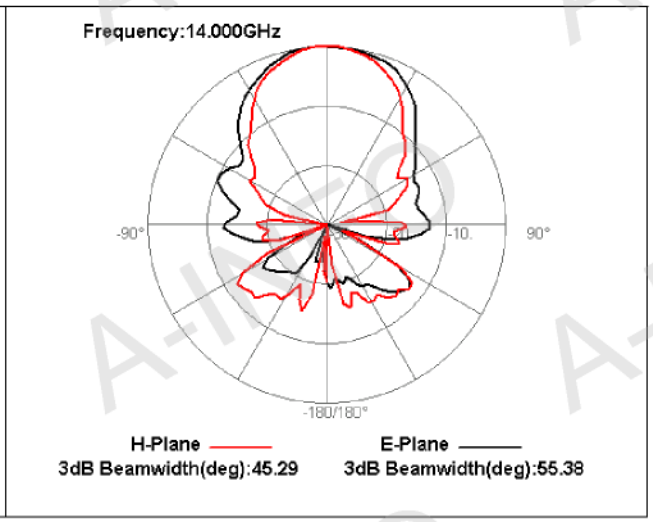
3dB Beamwidth(deg):55.36 3dB Beamwidth(deg):66.94



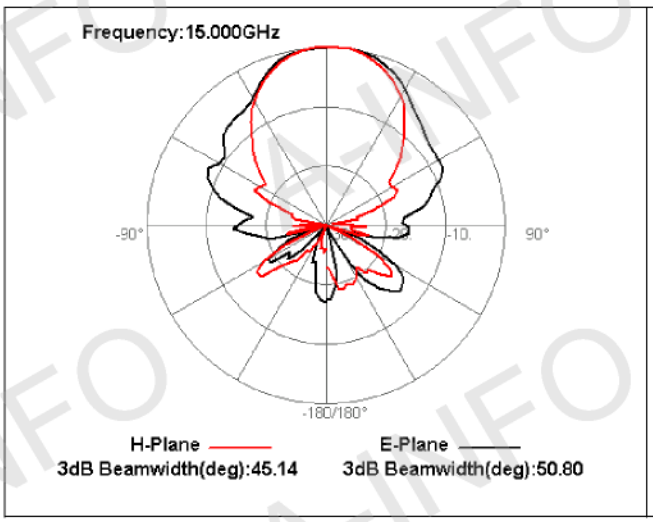
3dB Beamwidth(deg):38.31 3dB Beamwidth(deg):63.21



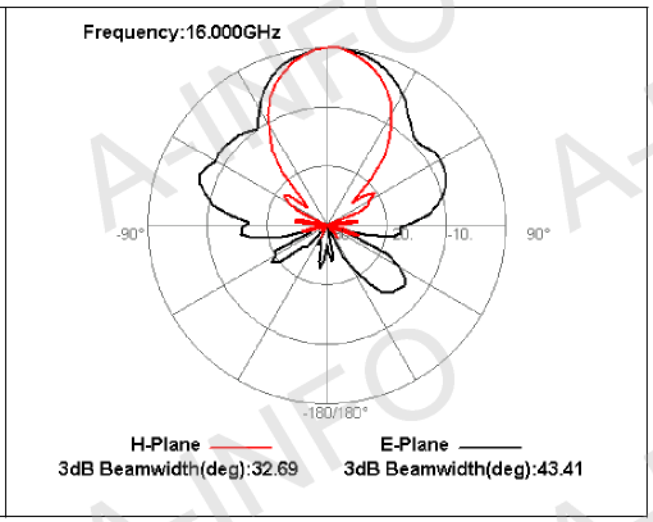
3dB Beamwidth(deg):39.57 3dB Beamwidth(deg):63.21



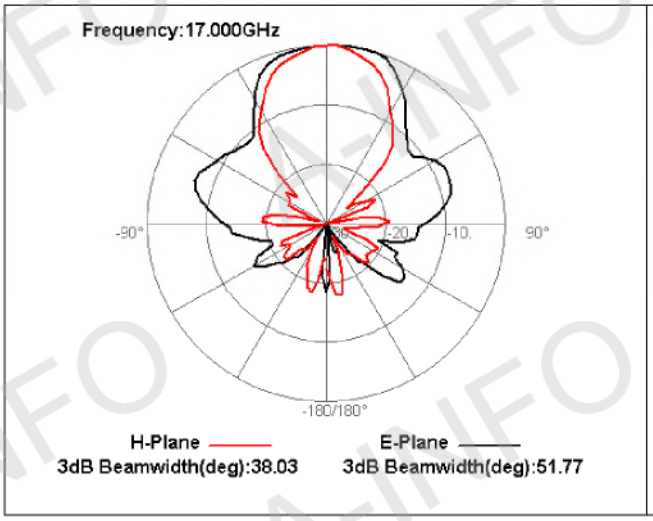
3dB Beamwidth(deg):45.29 3dB Beamwidth(deg):55.38



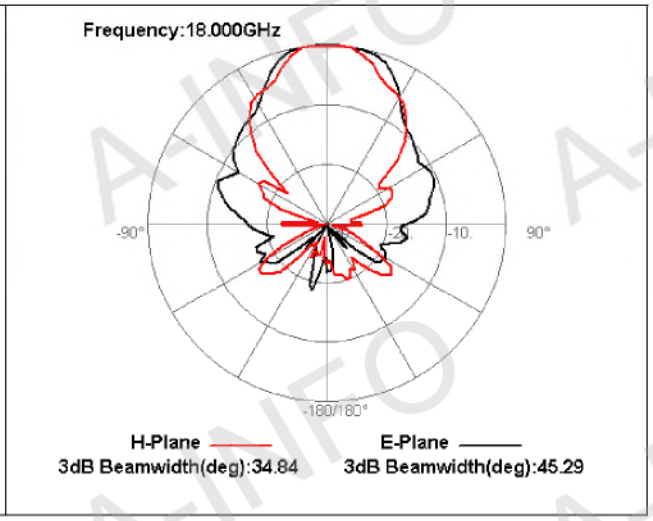
3dB Beamwidth(deg):45.14 3dB Beamwidth(deg):50.80



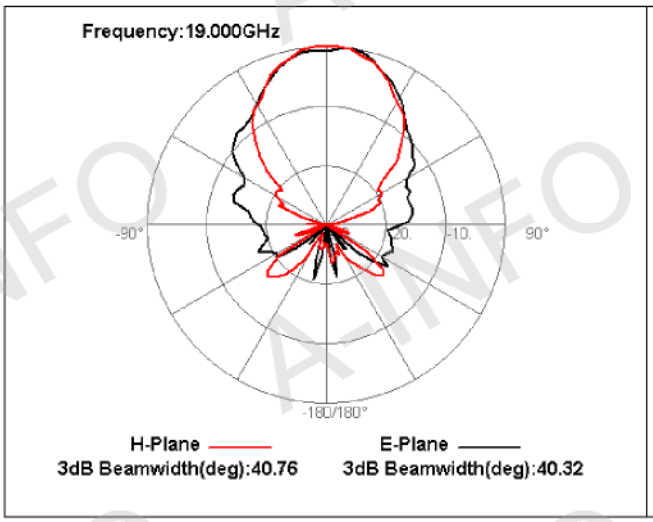
3dB Beamwidth(deg):32.69 3dB Beamwidth(deg):43.41



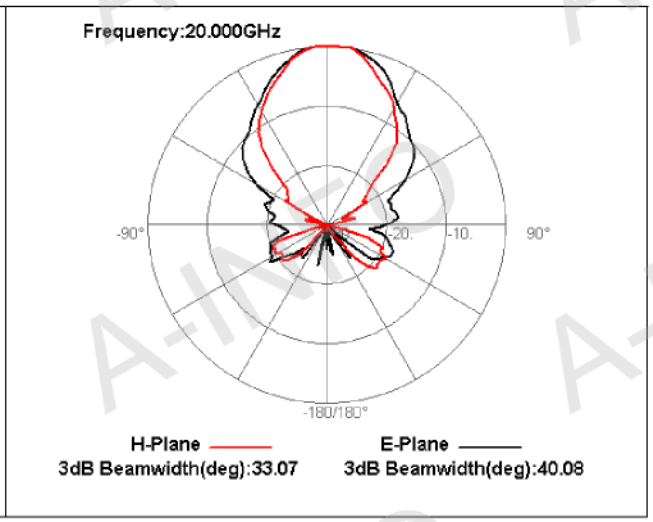
3dB Beamwidth(deg):38.03 3dB Beamwidth(deg):51.77



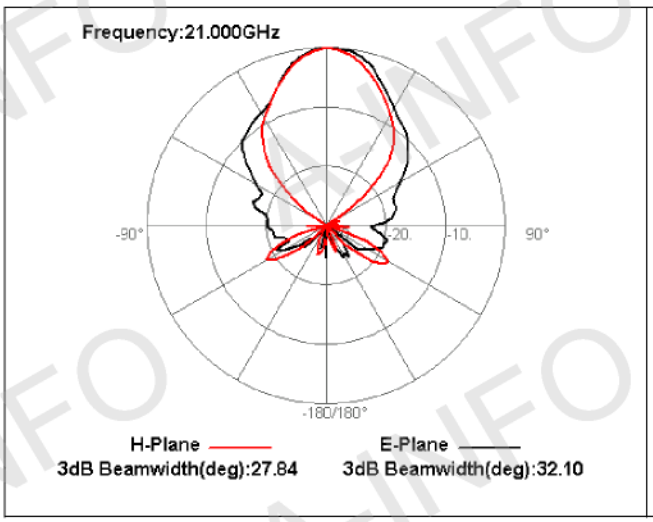
3dB Beamwidth(deg):34.84 3dB Beamwidth(deg):45.29



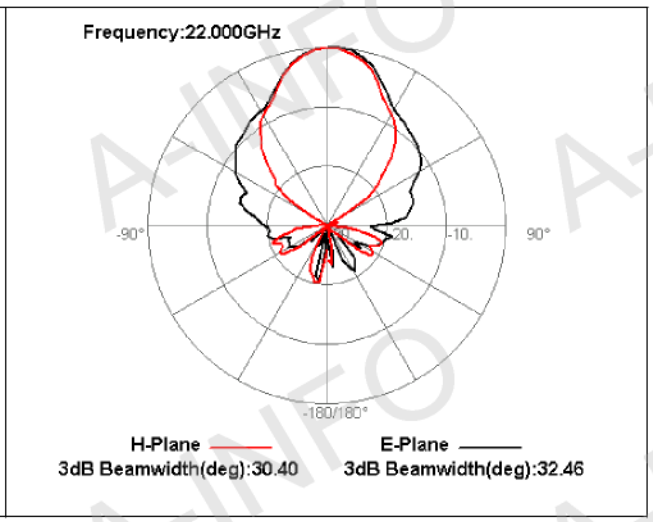
3dB Beamwidth(deg):40.76 3dB Beamwidth(deg):40.32



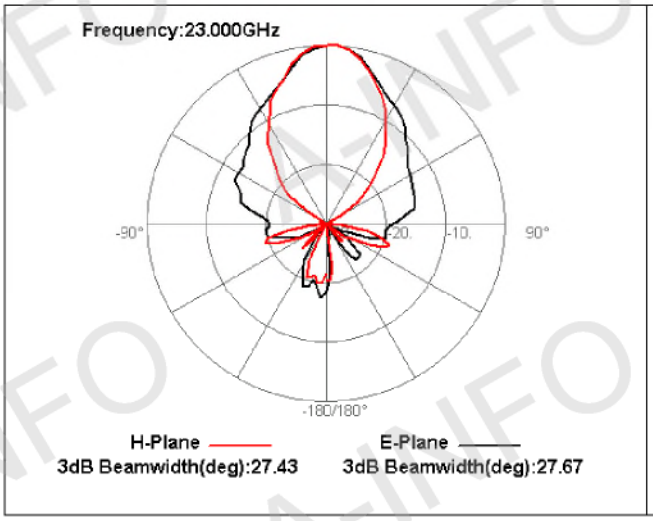
3dB Beamwidth(deg):33.07 3dB Beamwidth(deg):40.08



3dB Beamwidth(deg):27.84 3dB Beamwidth(deg):32.10

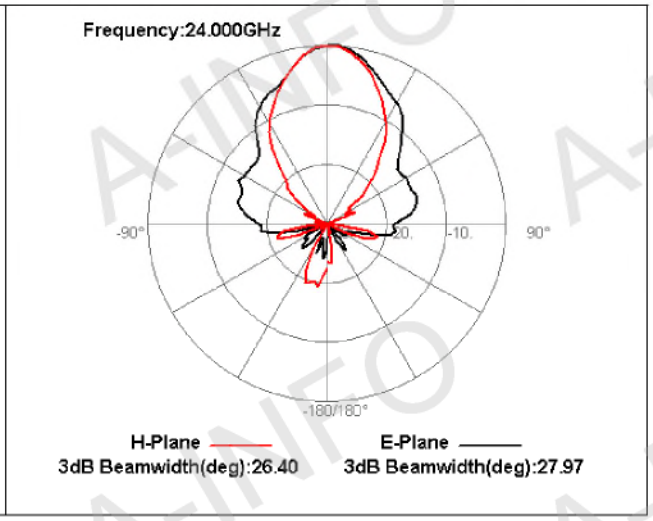


3dB Beamwidth(deg):30.40 3dB Beamwidth(deg):32.46



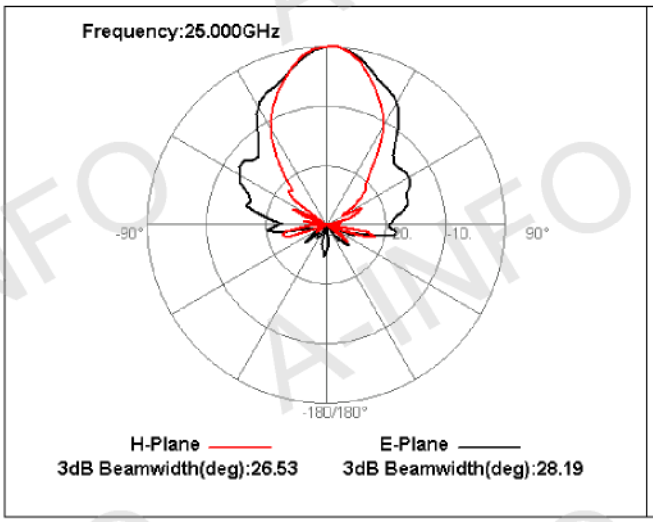
H-Plane
3dB Beamwidth(deg):27.43

E-Plane
3dB Beamwidth(deg):27.67



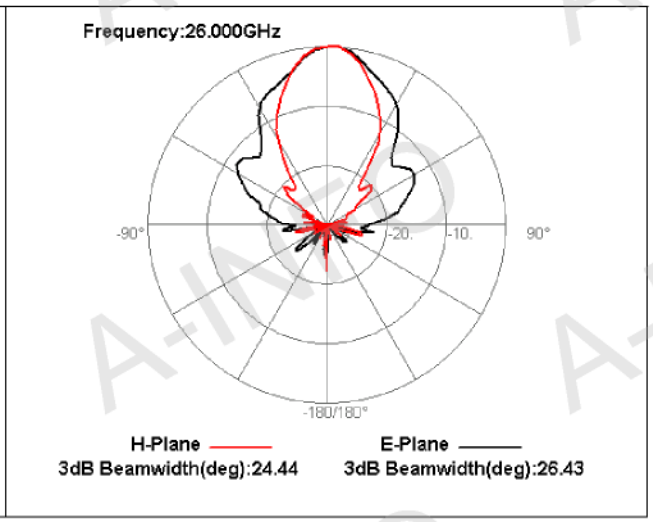
H-Plane
3dB Beamwidth(deg):26.40

E-Plane
3dB Beamwidth(deg):27.97



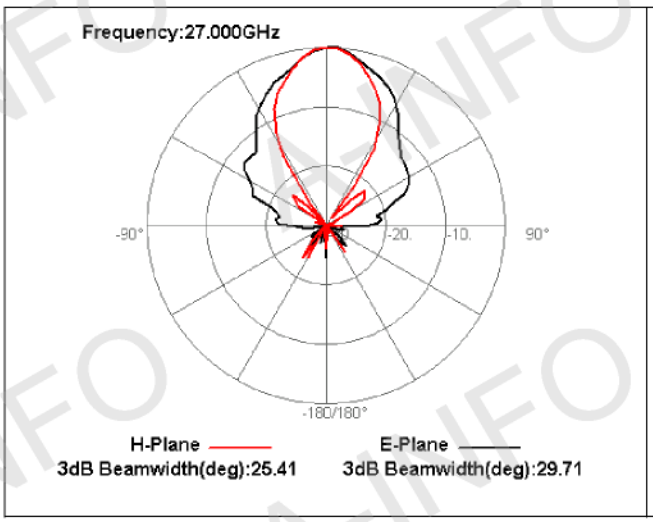
H-Plane
3dB Beamwidth(deg):26.53

E-Plane
3dB Beamwidth(deg):28.19



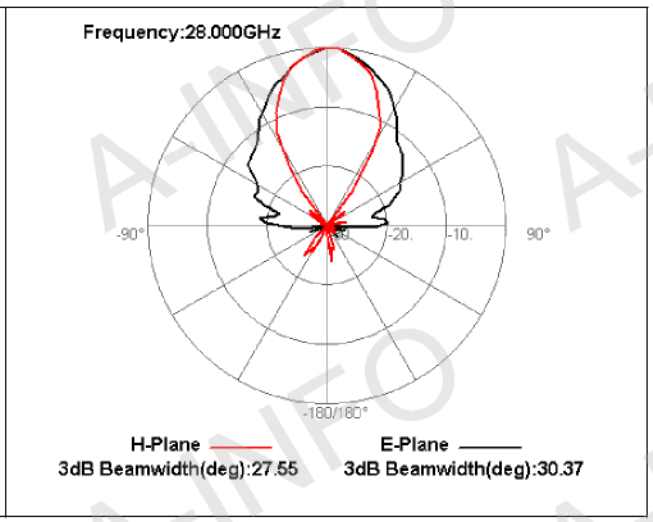
H-Plane
3dB Beamwidth(deg):24.44

E-Plane
3dB Beamwidth(deg):26.43



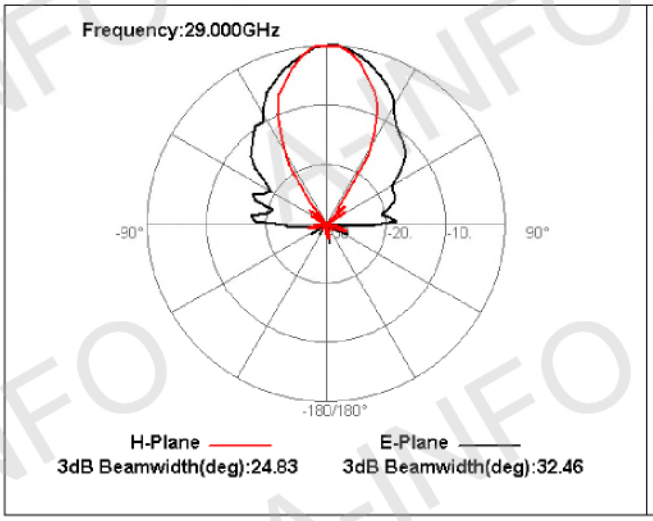
H-Plane
3dB Beamwidth(deg):25.41

E-Plane
3dB Beamwidth(deg):29.71

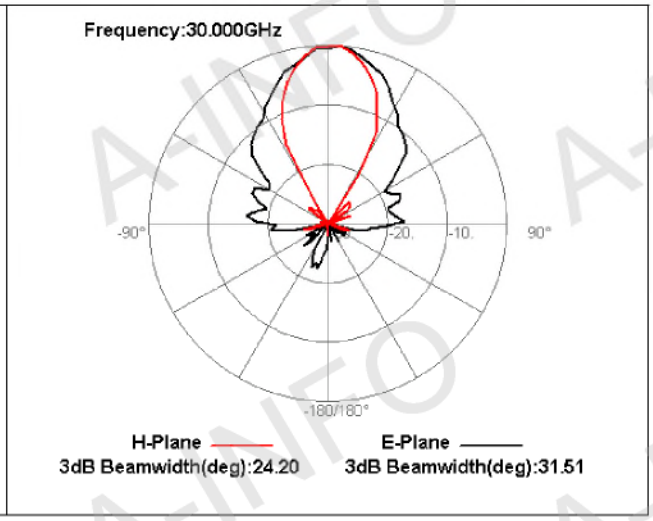


H-Plane
3dB Beamwidth(deg):27.55

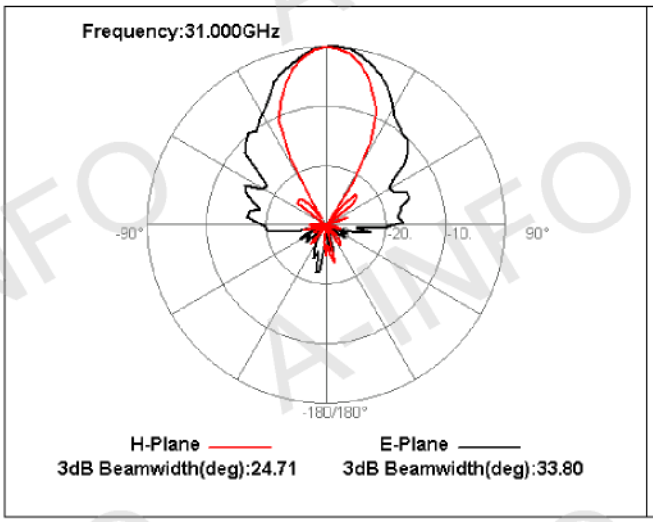
E-Plane
3dB Beamwidth(deg):30.37



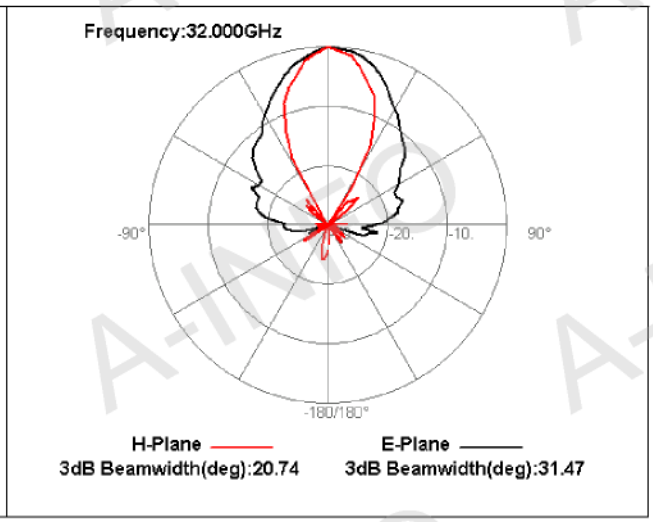
3dB Beamwidth(deg):24.83 3dB Beamwidth(deg):32.46



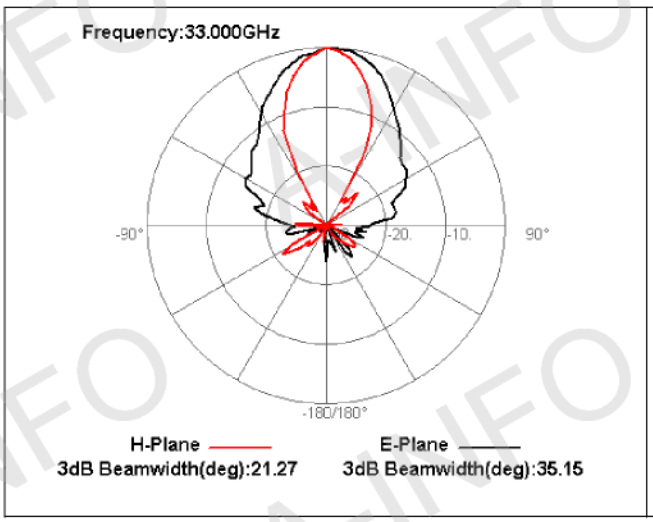
3dB Beamwidth(deg):24.20 3dB Beamwidth(deg):31.51



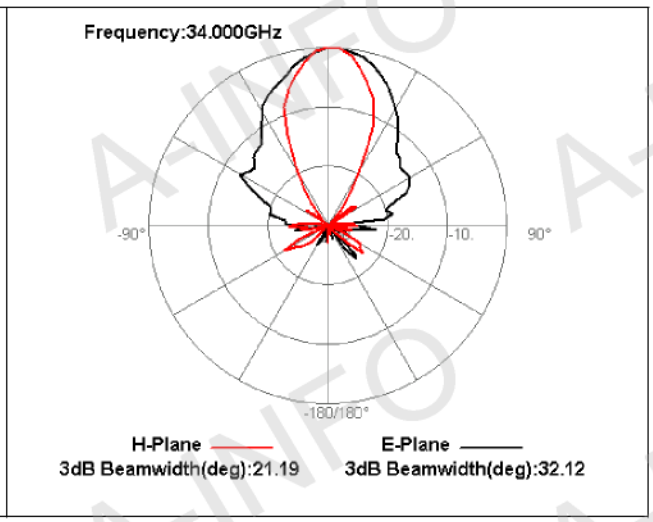
3dB Beamwidth(deg):24.71 3dB Beamwidth(deg):33.80



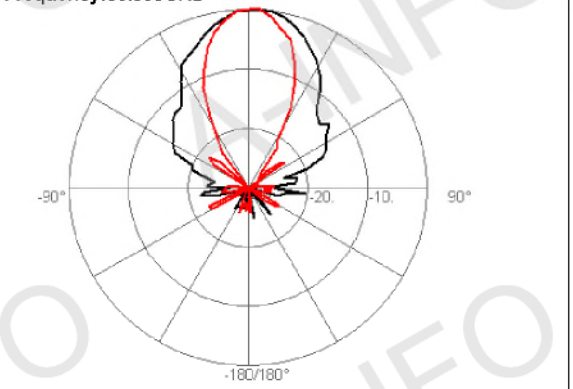
3dB Beamwidth(deg):20.74 3dB Beamwidth(deg):31.47



3dB Beamwidth(deg):21.27 3dB Beamwidth(deg):35.15

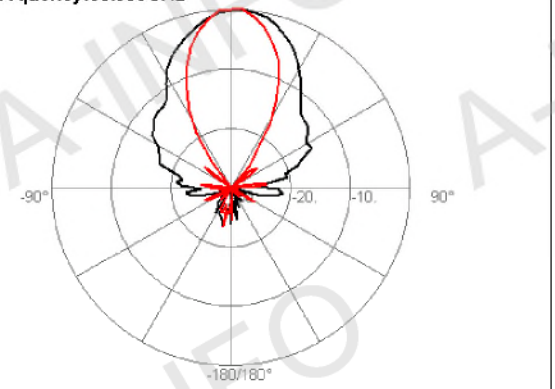


3dB Beamwidth(deg):21.19 3dB Beamwidth(deg):32.12



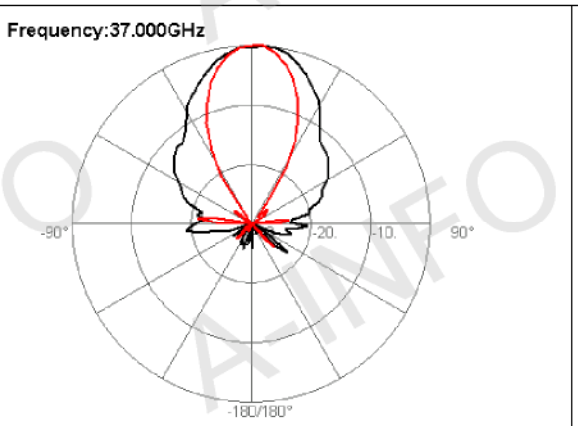
H-Plane
3dB Beamwidth(deg):23.65

E-Plane
3dB Beamwidth(deg):34.77



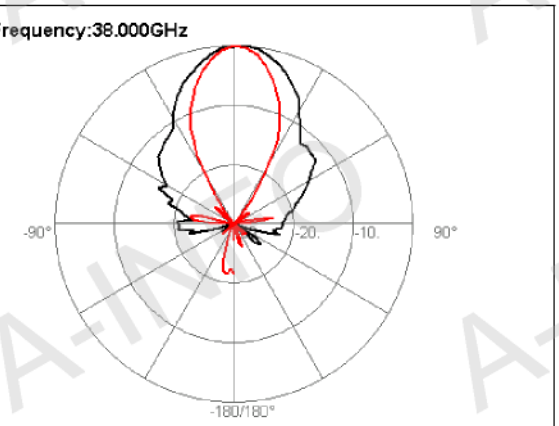
H-Plane
3dB Beamwidth(deg):23.83

E-Plane
3dB Beamwidth(deg):33.93



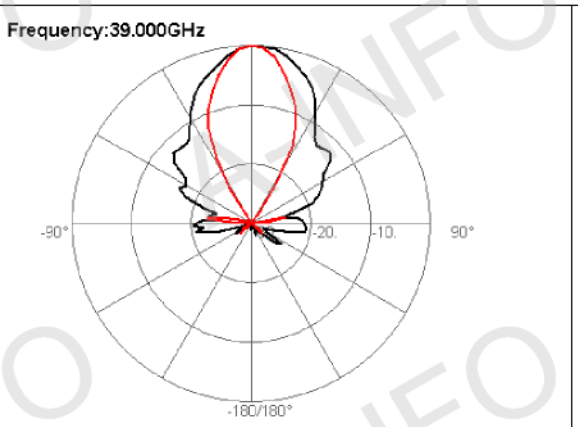
H-Plane
3dB Beamwidth(deg):24.20

E-Plane
3dB Beamwidth(deg):34.48



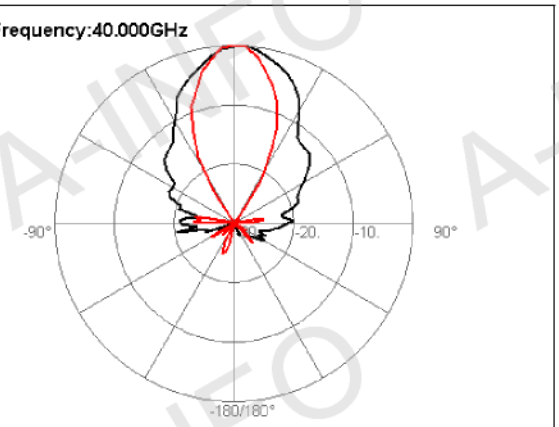
H-Plane
3dB Beamwidth(deg):21.47

E-Plane
3dB Beamwidth(deg):31.35



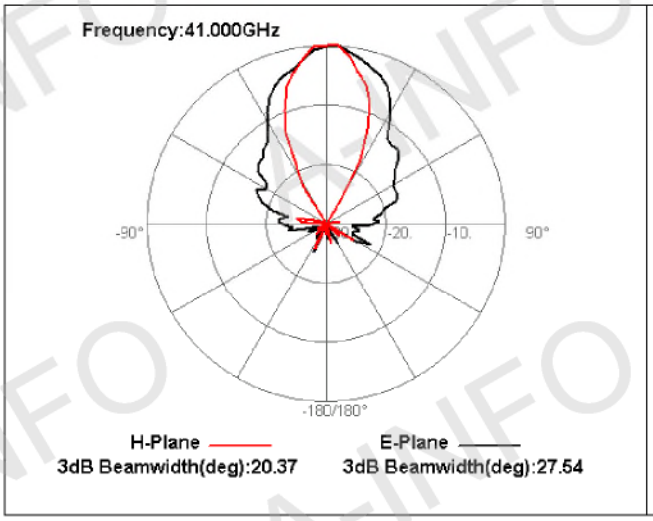
H-Plane
3dB Beamwidth(deg):19.95

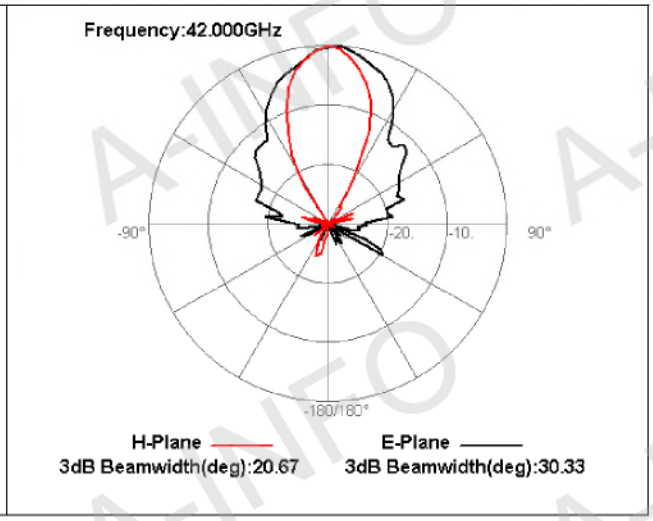
E-Plane
3dB Beamwidth(deg):30.59

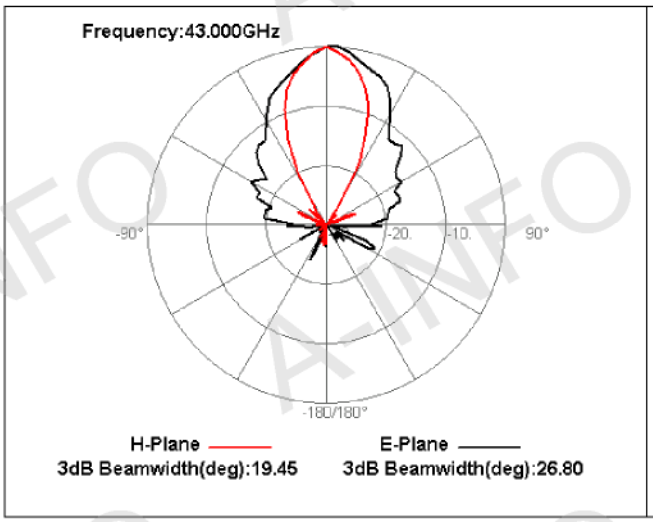


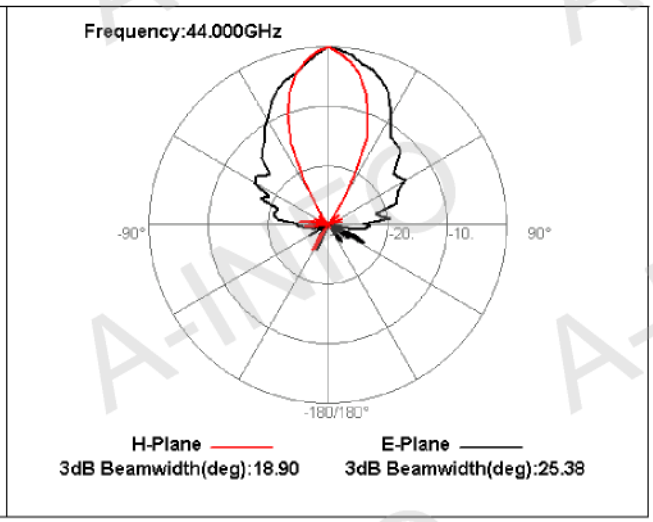
H-Plane
3dB Beamwidth(deg):20.15

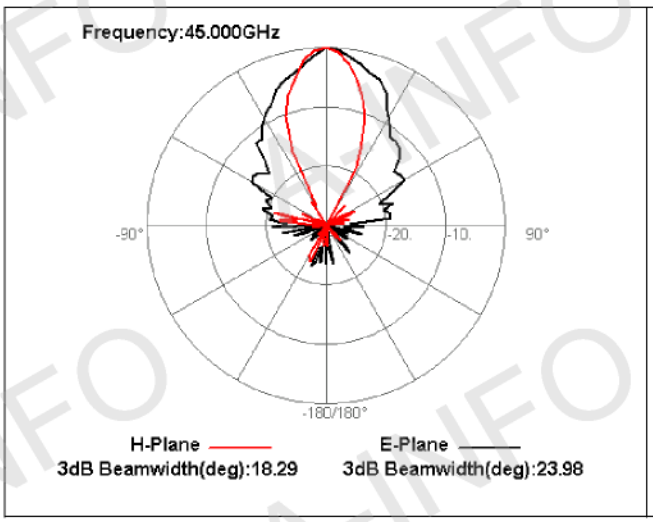
E-Plane
3dB Beamwidth(deg):30.20

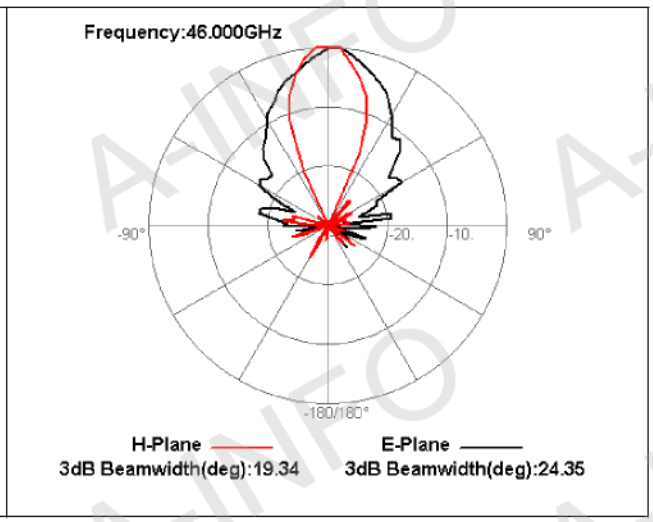

Frequency:41.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):20.37
3dB Beamwidth(deg):27.54

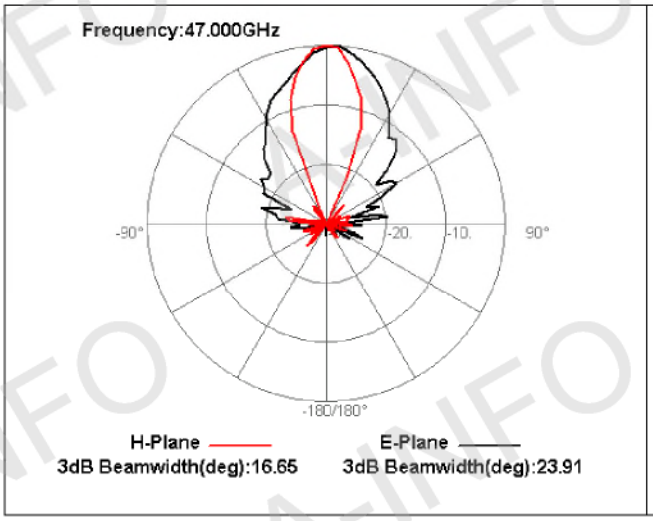

Frequency:42.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):20.67
3dB Beamwidth(deg):30.33

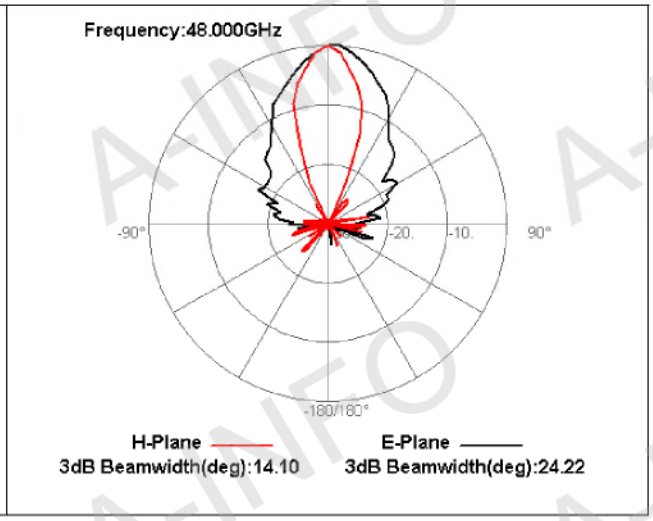

Frequency:43.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):19.45
3dB Beamwidth(deg):26.80

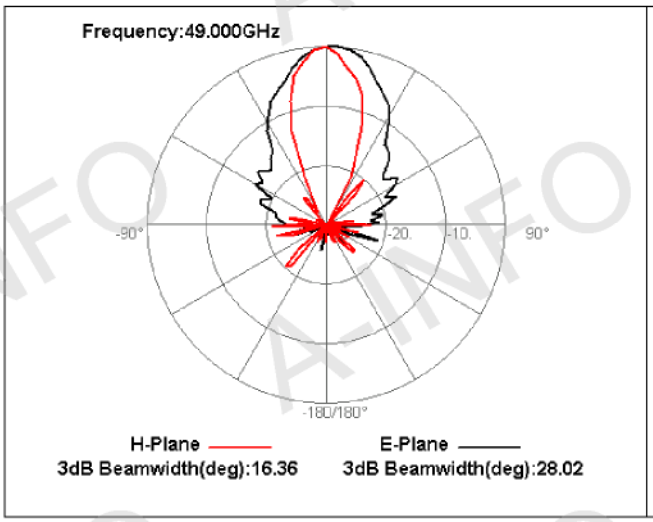

Frequency:44.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):18.90
3dB Beamwidth(deg):25.38

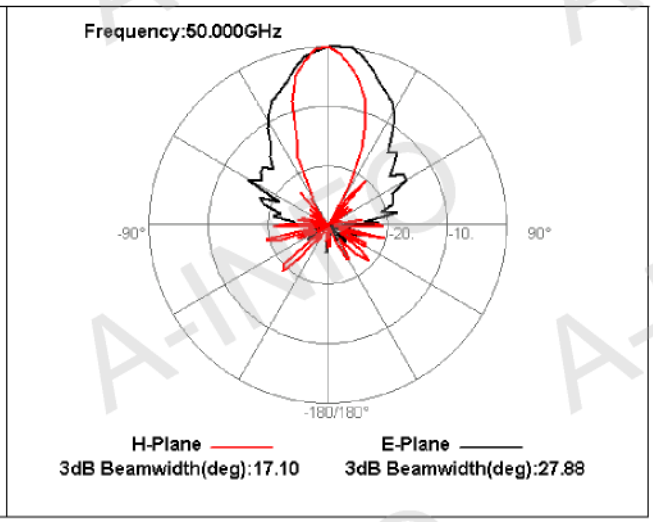

Frequency:45.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):18.29
3dB Beamwidth(deg):23.98


Frequency:46.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):19.34
3dB Beamwidth(deg):24.35


Frequency:47.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):16.65
3dB Beamwidth(deg):23.91


Frequency:48.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):14.10
3dB Beamwidth(deg):24.22


Frequency:49.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):16.36
3dB Beamwidth(deg):28.02


Frequency:50.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
E-Plane
3dB Beamwidth(deg):17.10
3dB Beamwidth(deg):27.88