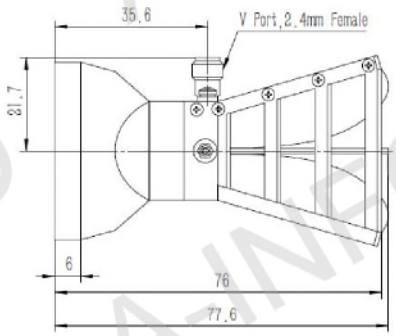
Technical Specification

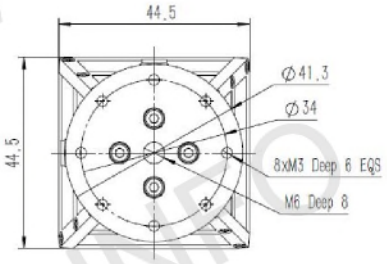
Frequency Range(GHz)	18.0 - 54.0
Gain(dBi)	14 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	46 - 14
Cross Pol. Isolation(dB)	30 Typ.
	20 Min.
Port to Port Isolation(dB)	25 Min.
VSWR	1.5:1 Typ.
	2.0:1 Max.
Output	2.4mm-Female
	or 1.85mm-Female
Power Handling(W)	2.4mm-Female: 10 Max. CW
	1.85mm-Female: 5 Max. CW
Material	Al
Size(mm)	44.5 x 44.5 x 77.6
Net Weight(Kg)	0.1 Around

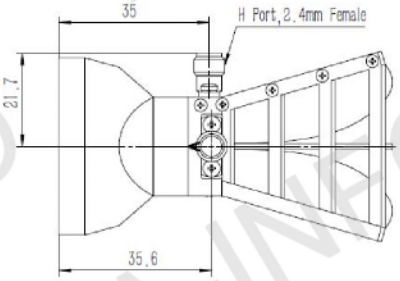
Outline Drawing (Size: mm)

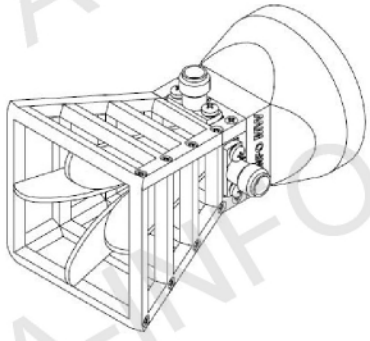
2.4mm-Female Output

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



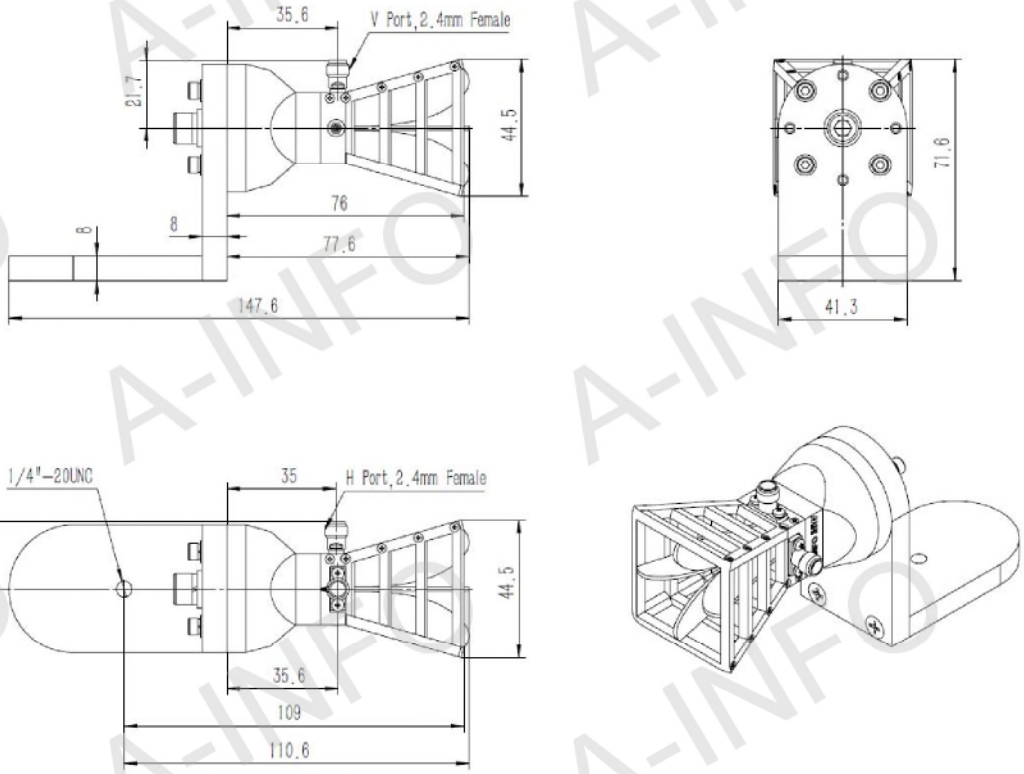






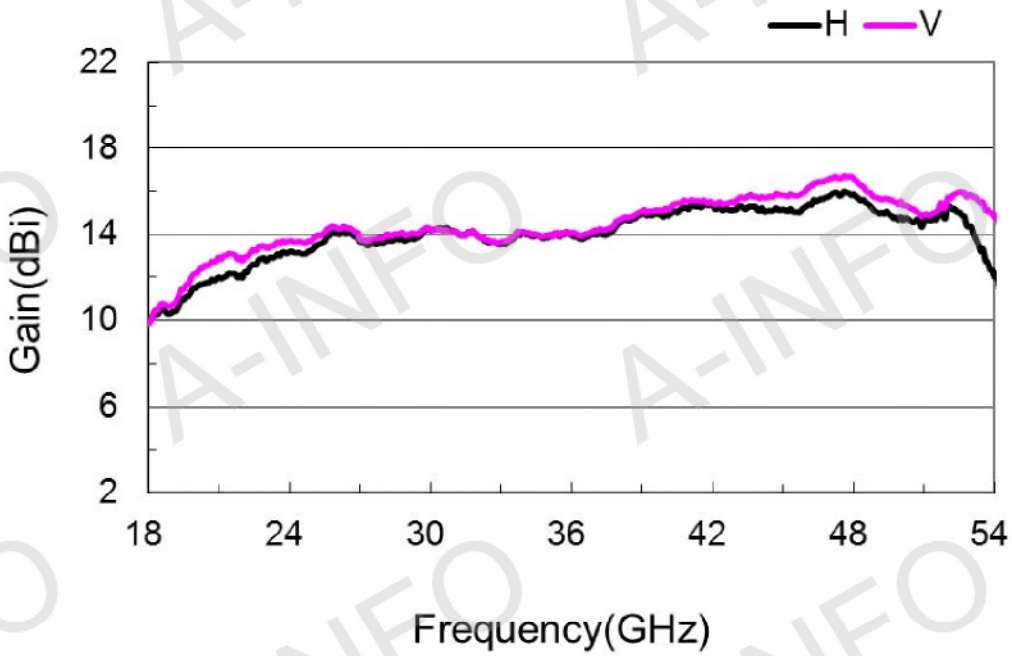
2.4mm-Female Output with L type mounting bracket

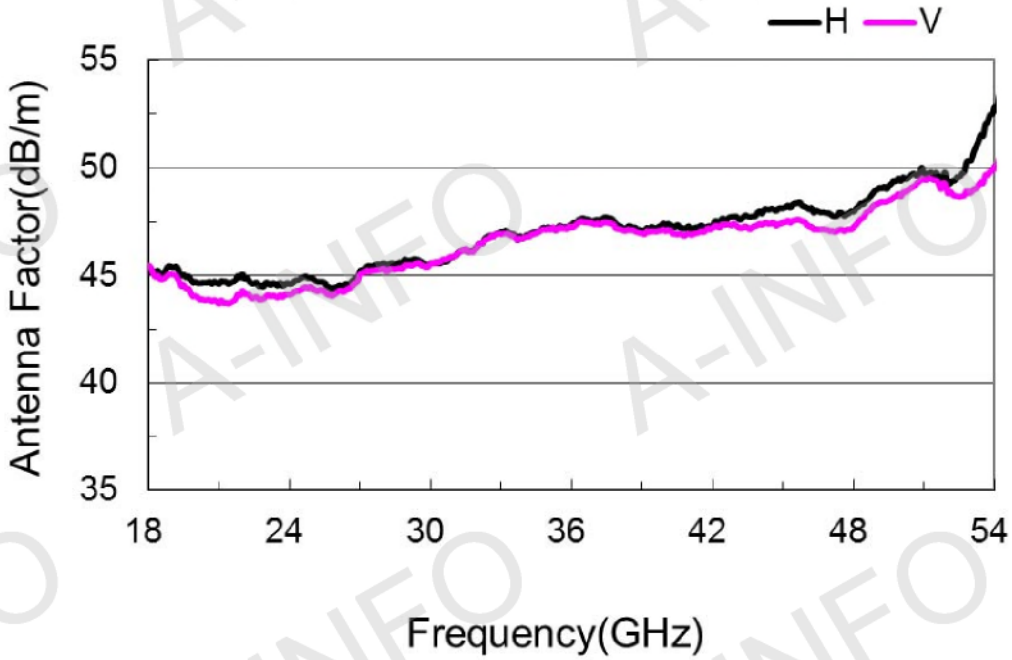
For 1.85mm-Female output outline drawing, please contact A-INFO.



Test Results

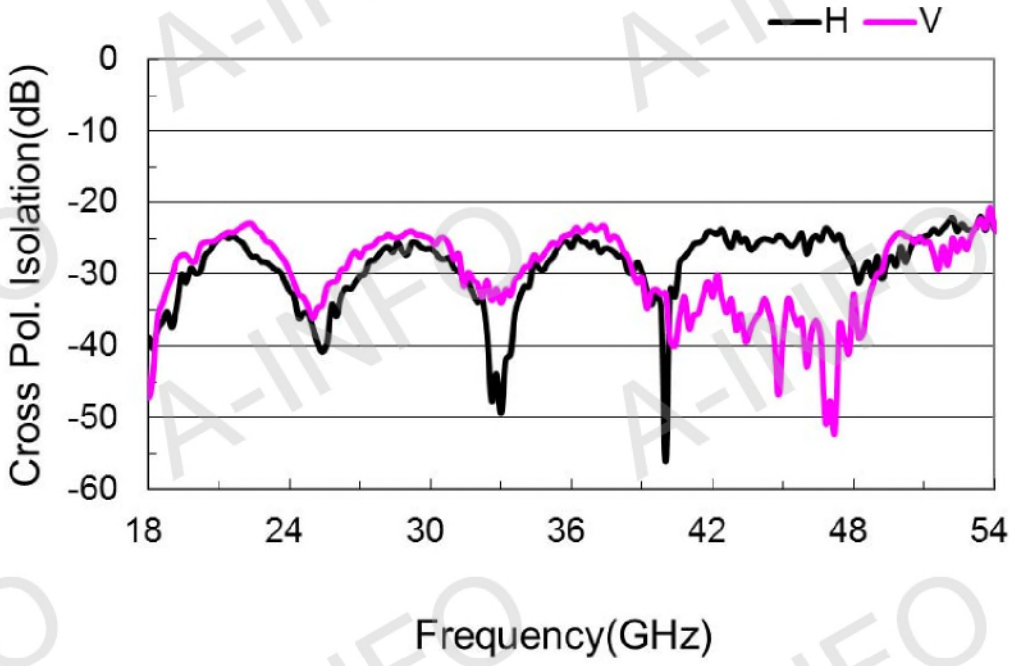
1. Gain and Antenna Factor



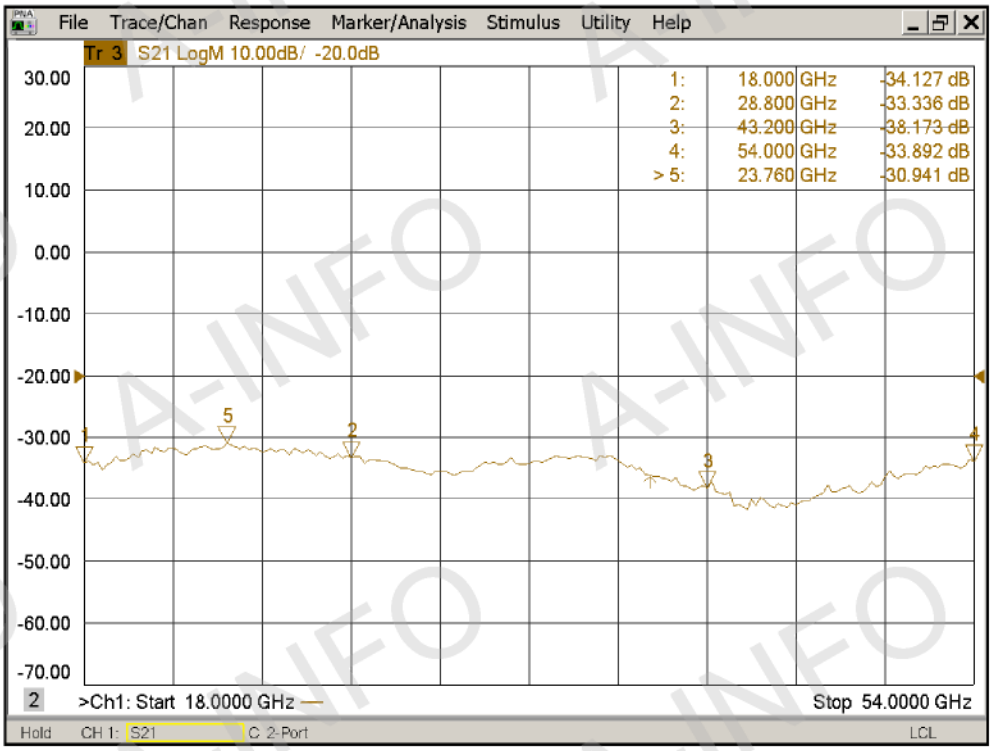


A-INFO

2. Cross Polarization Isolation

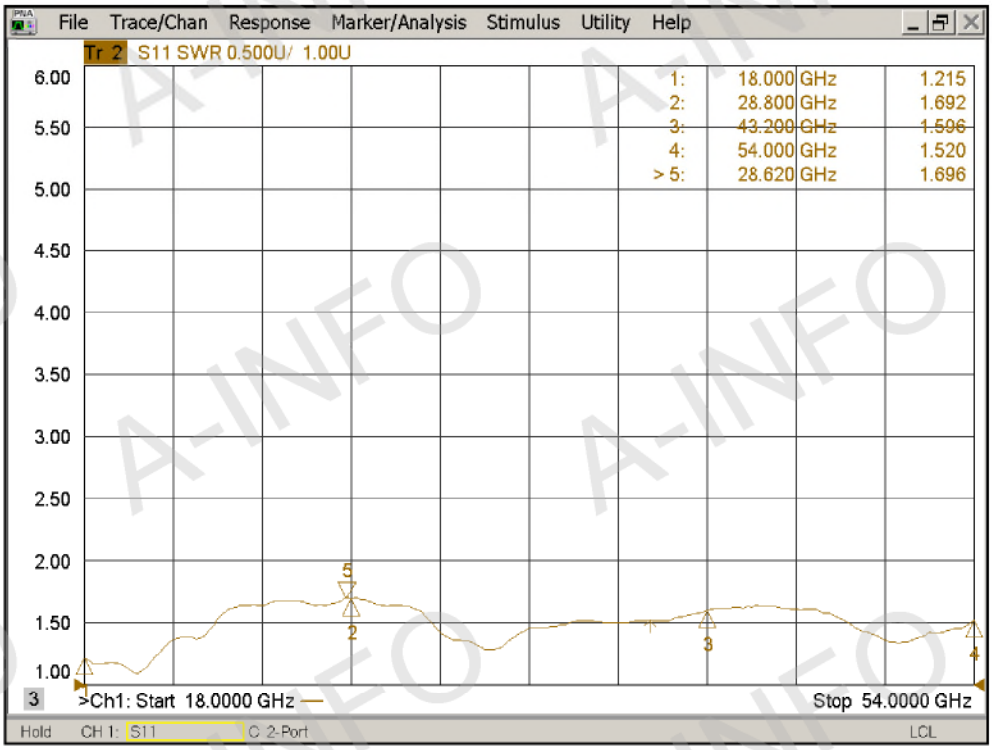


3. Port to Port Isolation

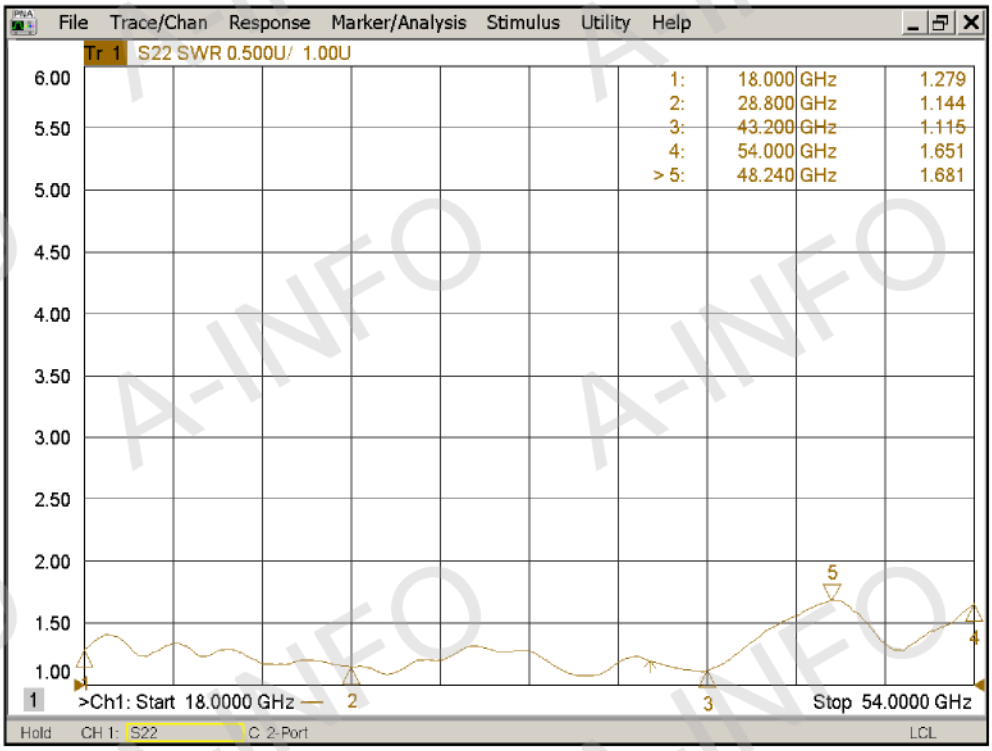


4. VSWR

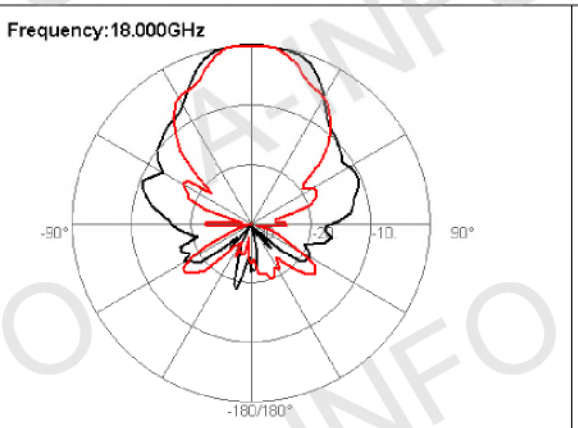
Port-H



Port-V

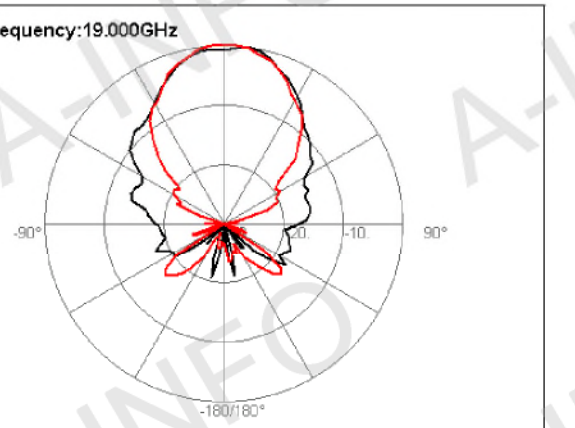


5. Pattern



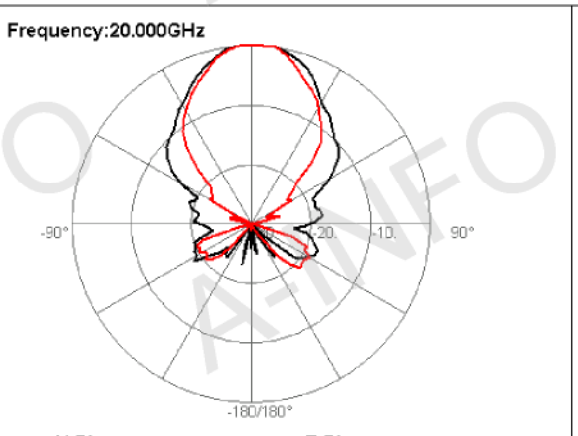
H-Plane
3dB Beamwidth(deg):34.84

E-Plane
3dB Beamwidth(deg):45.29



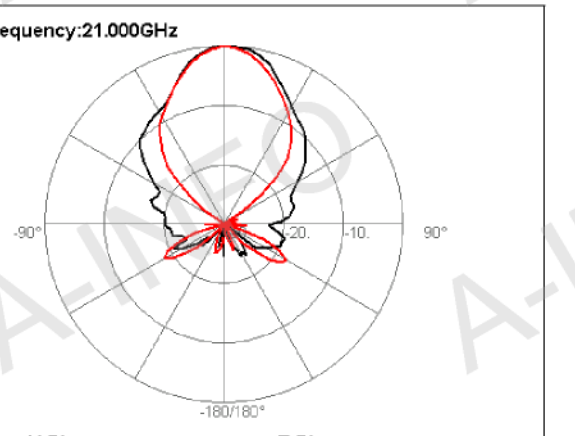
H-Plane
3dB Beamwidth(deg):40.76

E-Plane
3dB Beamwidth(deg):40.32



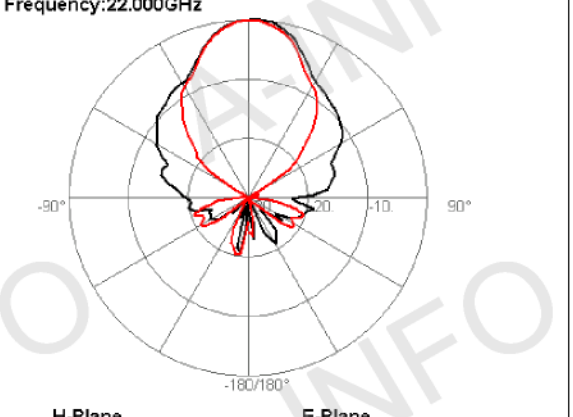
H-Plane
3dB Beamwidth(deg):33.07

E-Plane
3dB Beamwidth(deg):40.08



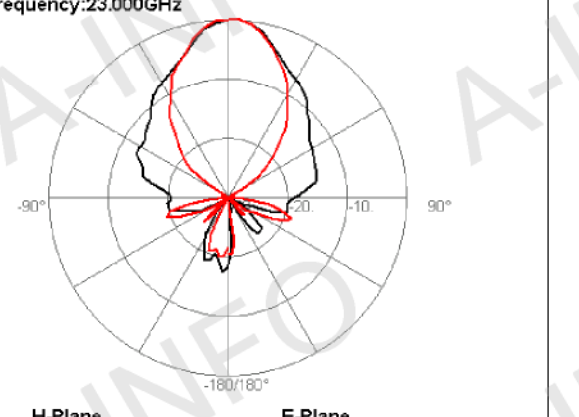
H-Plane
3dB Beamwidth(deg):27.84

E-Plane
3dB Beamwidth(deg):32.10



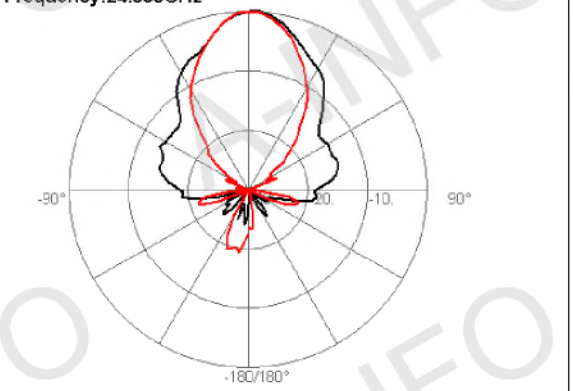
H-Plane
3dB Beamwidth(deg):30.40

E-Plane
3dB Beamwidth(deg):32.46



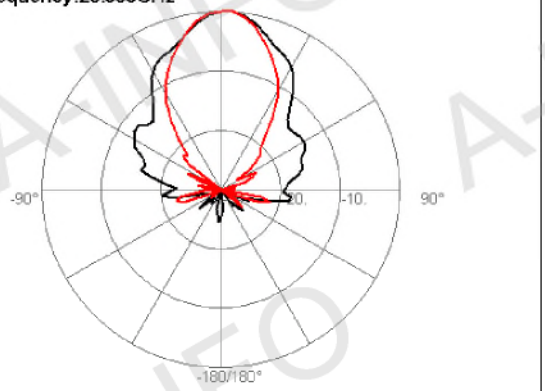
H-Plane
3dB Beamwidth(deg):27.43

E-Plane
3dB Beamwidth(deg):27.67



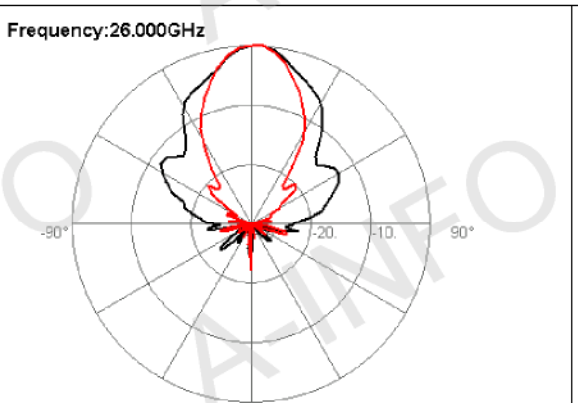
H-Plane
3dB Beamwidth(deg):26.40

E-Plane
3dB Beamwidth(deg):27.97



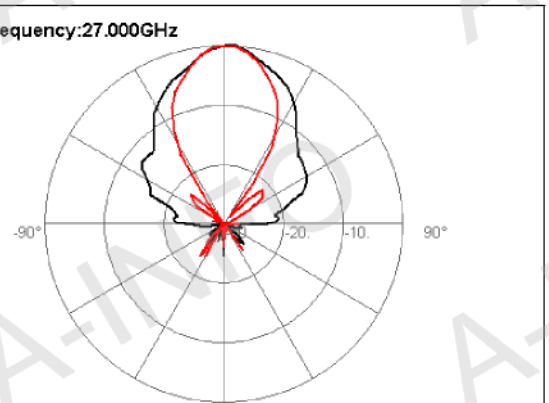
H-Plane
3dB Beamwidth(deg):26.53

E-Plane
3dB Beamwidth(deg):28.19



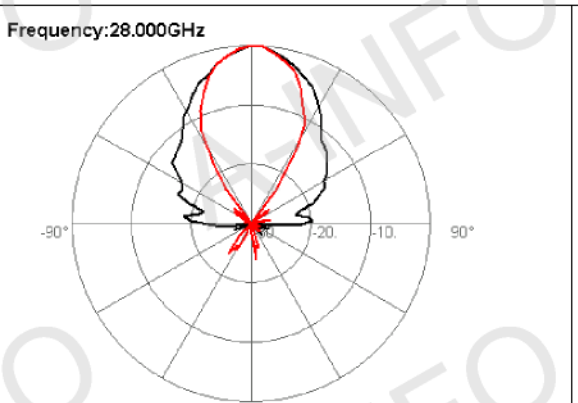
H-Plane
3dB Beamwidth(deg):24.44

E-Plane
3dB Beamwidth(deg):26.43



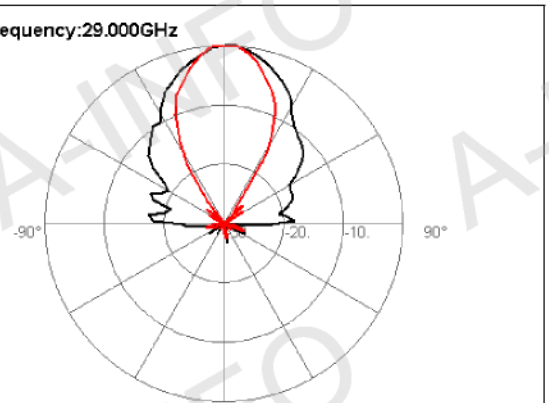
H-Plane
3dB Beamwidth(deg):25.41

E-Plane
3dB Beamwidth(deg):29.71



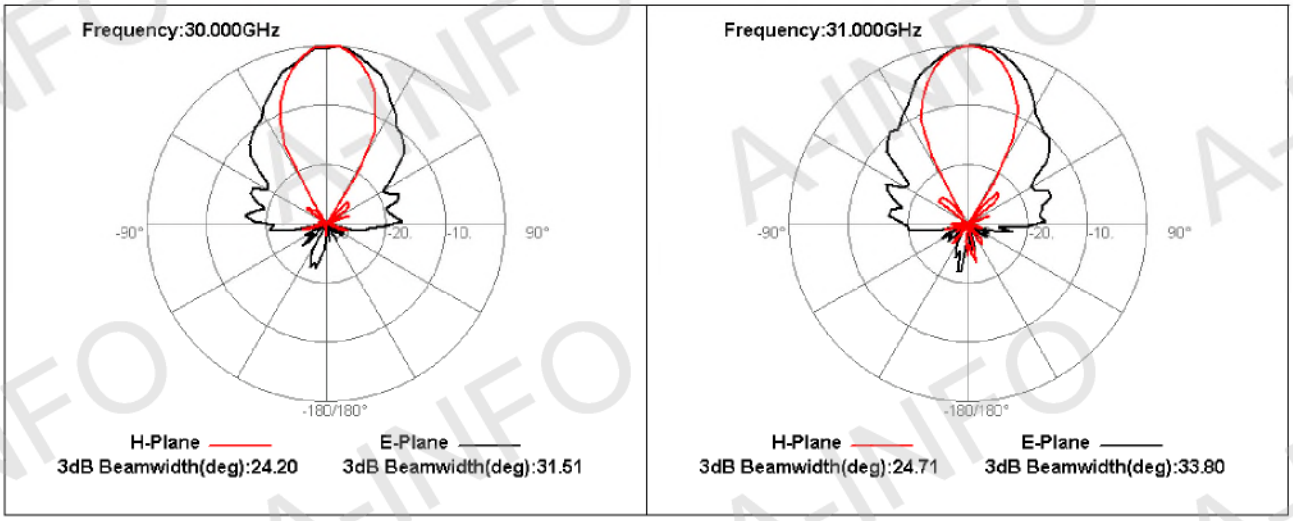
H-Plane
3dB Beamwidth(deg):27.55

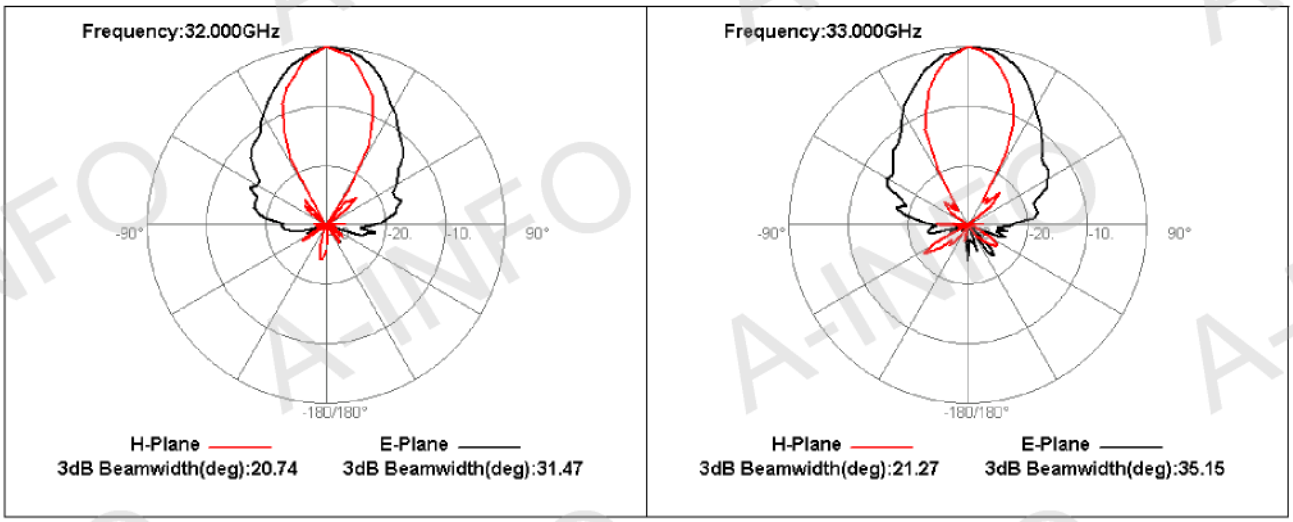
E-Plane
3dB Beamwidth(deg):30.37

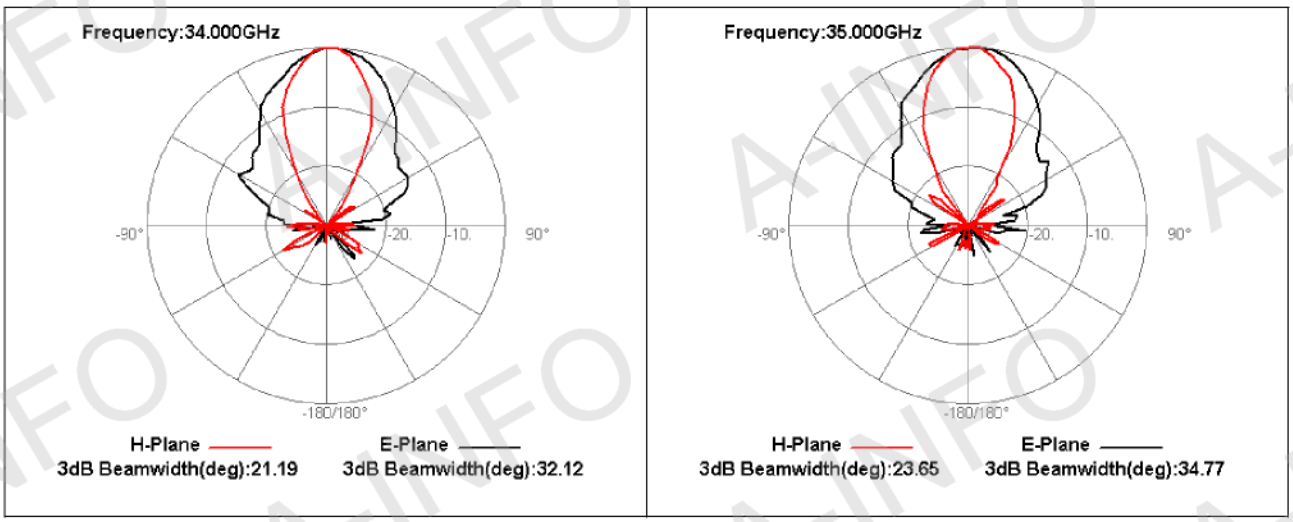


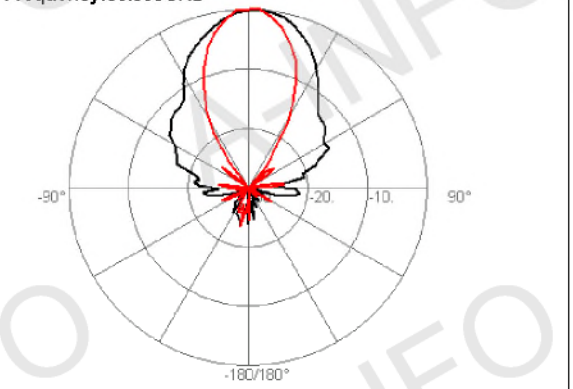
H-Plane
3dB Beamwidth(deg):24.83

E-Plane
3dB Beamwidth(deg):32.46

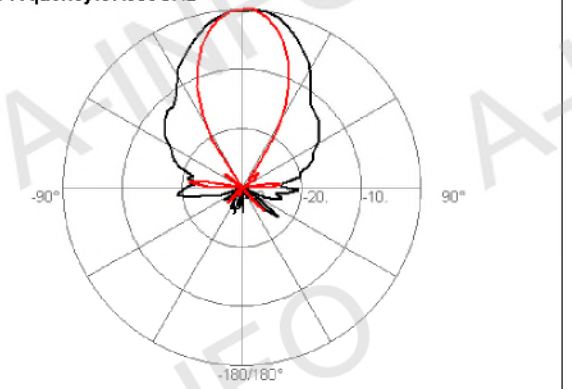

Frequency:30.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):24.20
E-Plane
3dB Beamwidth(deg):31.51
Frequency:31.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):24.71
E-Plane
3dB Beamwidth(deg):33.80


Frequency:32.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):20.74
E-Plane
3dB Beamwidth(deg):31.47
Frequency:33.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):21.27
E-Plane
3dB Beamwidth(deg):35.15

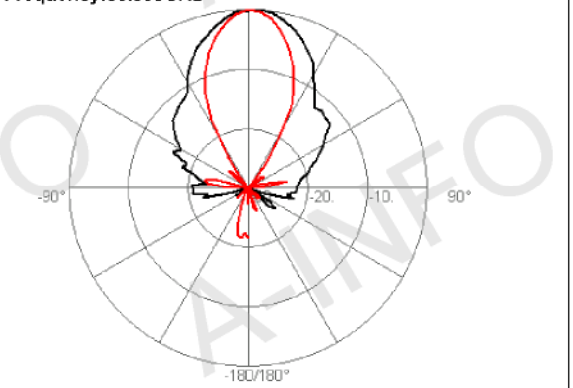

Frequency:34.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):21.19
E-Plane
3dB Beamwidth(deg):32.12
Frequency:35.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):23.65
E-Plane
3dB Beamwidth(deg):34.77



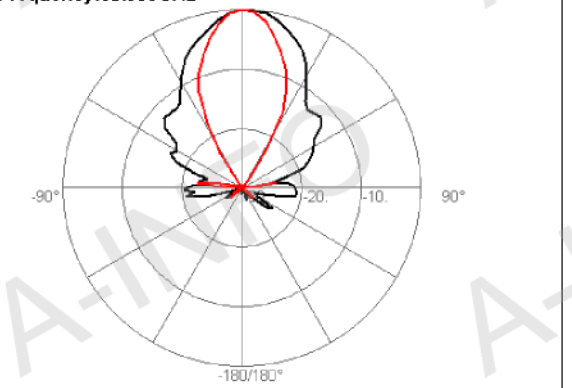
H-Plane 3dB Beamwidth(deg):23.83
E-Plane 3dB Beamwidth(deg):33.93



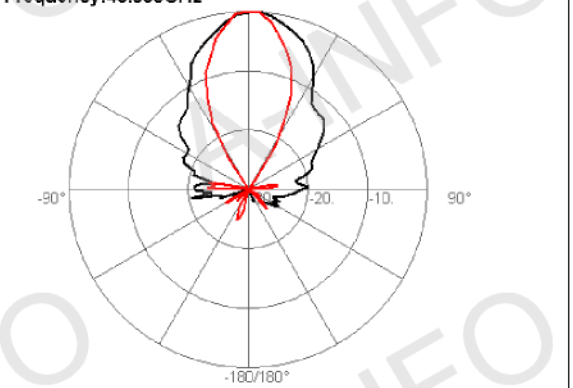
H-Plane 3dB Beamwidth(deg):24.20
E-Plane 3dB Beamwidth(deg):34.48



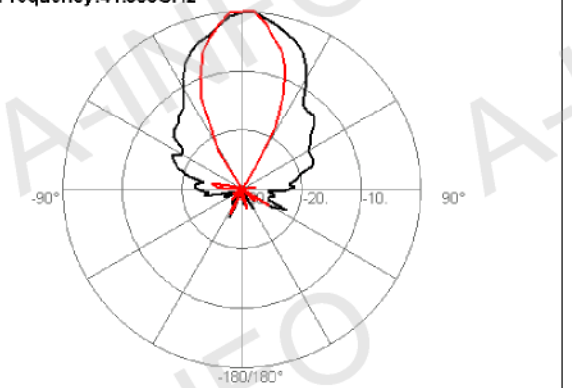
H-Plane 3dB Beamwidth(deg):21.47
E-Plane 3dB Beamwidth(deg):31.35



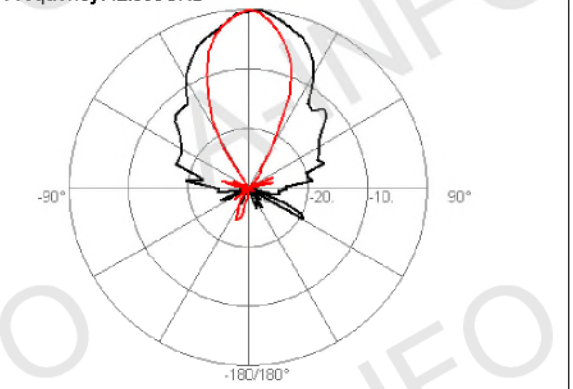
H-Plane 3dB Beamwidth(deg):19.95
E-Plane 3dB Beamwidth(deg):30.59



H-Plane 3dB Beamwidth(deg):20.15
E-Plane 3dB Beamwidth(deg):30.20

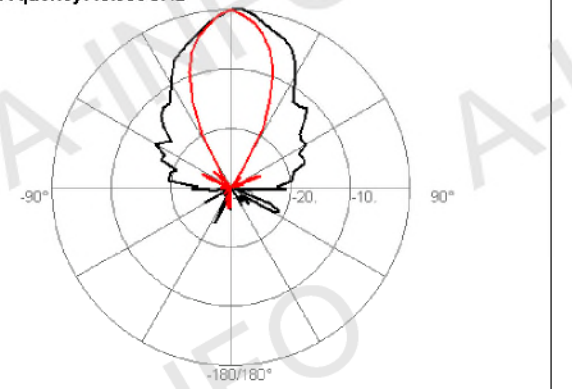


H-Plane 3dB Beamwidth(deg):20.37
E-Plane 3dB Beamwidth(deg):27.54



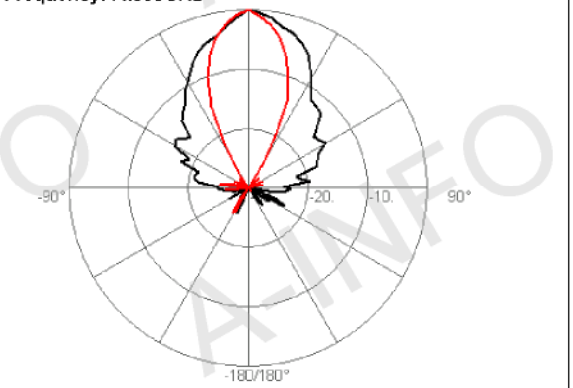
H-Plane
3dB Beamwidth(deg):20.67

E-Plane
3dB Beamwidth(deg):30.33



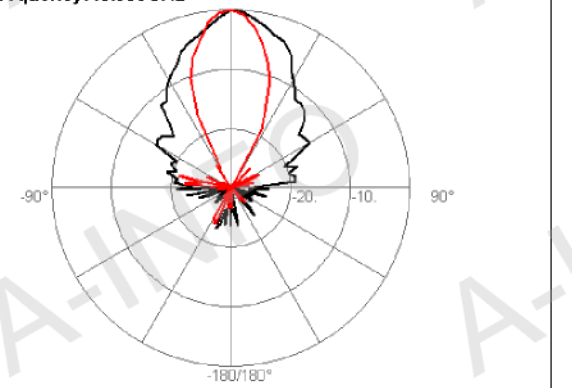
H-Plane
3dB Beamwidth(deg):19.45

E-Plane
3dB Beamwidth(deg):26.80



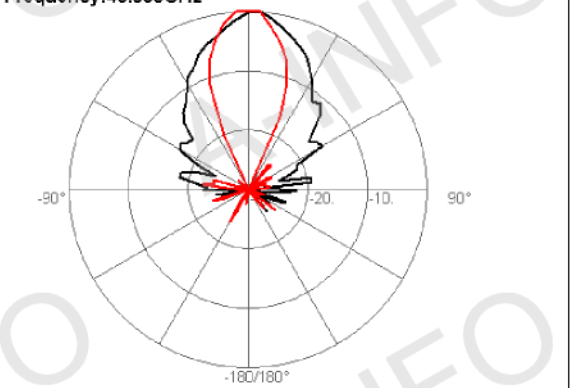
H-Plane
3dB Beamwidth(deg):18.90

E-Plane
3dB Beamwidth(deg):25.38



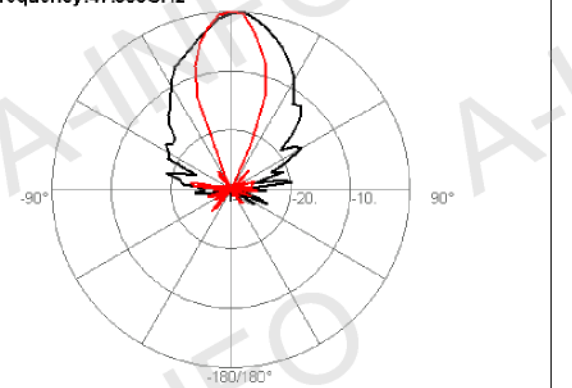
H-Plane
3dB Beamwidth(deg):18.29

E-Plane
3dB Beamwidth(deg):23.98



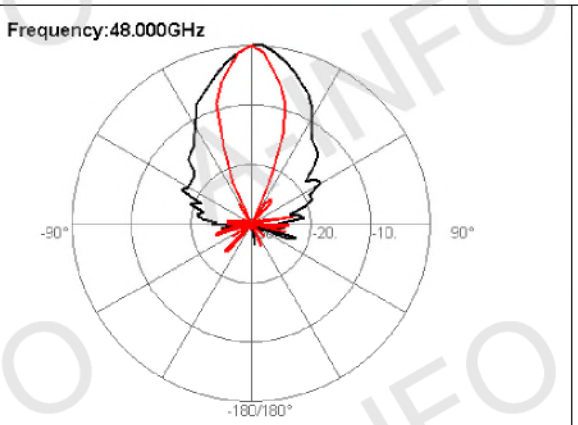
H-Plane
3dB Beamwidth(deg):19.34

E-Plane
3dB Beamwidth(deg):24.35



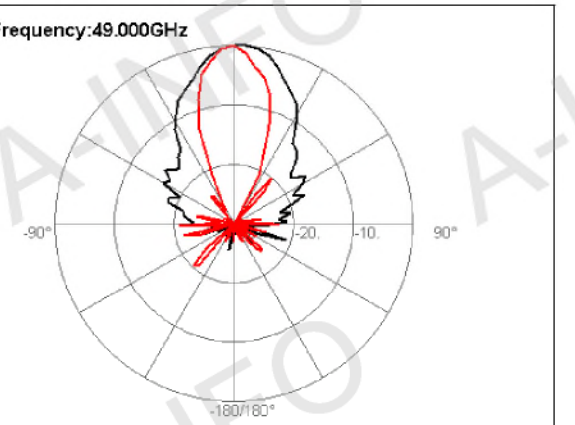
H-Plane
3dB Beamwidth(deg):16.65

E-Plane
3dB Beamwidth(deg):23.91



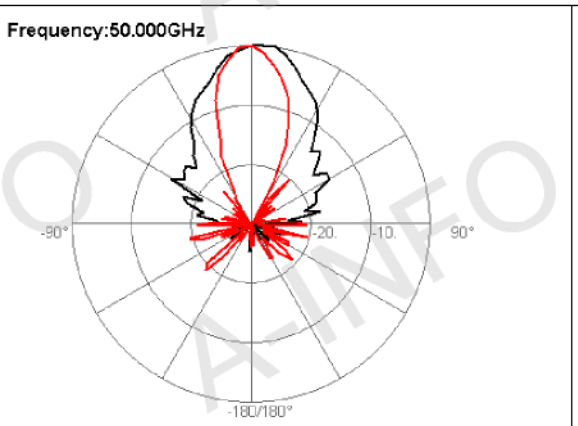
H-Plane
3dB Beamwidth(deg):14.10

E-Plane
3dB Beamwidth(deg):24.22



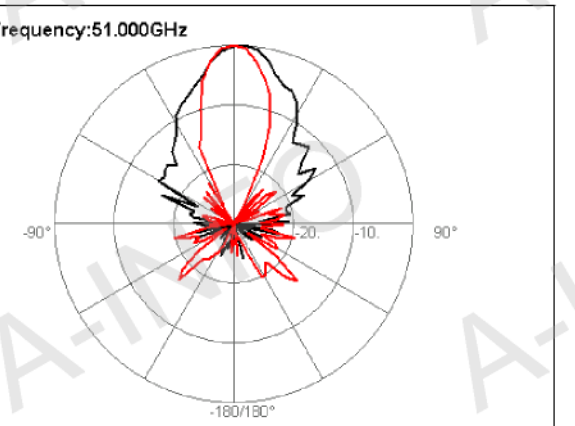
H-Plane
3dB Beamwidth(deg):16.36

E-Plane
3dB Beamwidth(deg):28.02



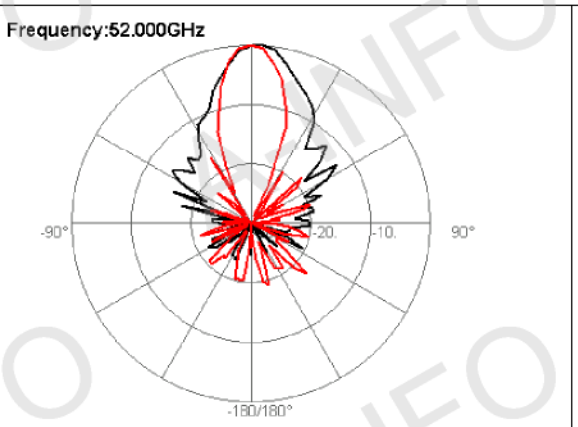
H-Plane
3dB Beamwidth(deg):17.10

E-Plane
3dB Beamwidth(deg):27.88



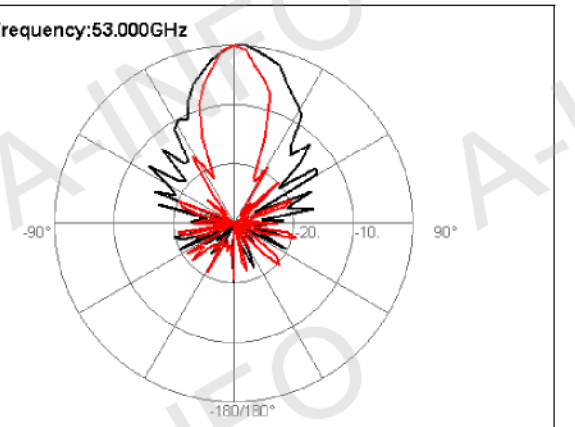
H-Plane
3dB Beamwidth(deg):17.45

E-Plane
3dB Beamwidth(deg):22.69



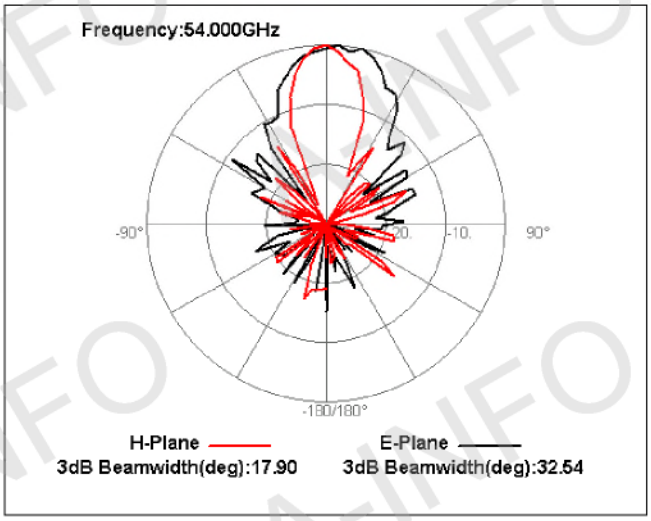
H-Plane
3dB Beamwidth(deg):16.42

E-Plane
3dB Beamwidth(deg):21.21



H-Plane
3dB Beamwidth(deg):14.41

E-Plane
3dB Beamwidth(deg):26.75


Frequency:54.000GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):17.90
E-Plane
3dB Beamwidth(deg):32.54