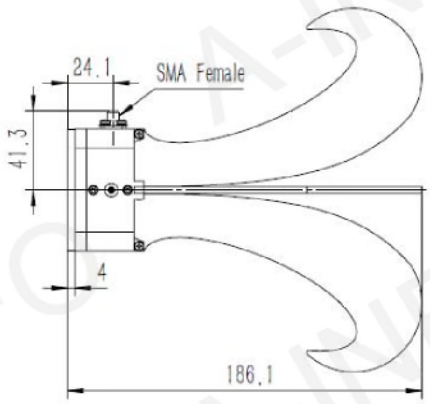
Technical Specification

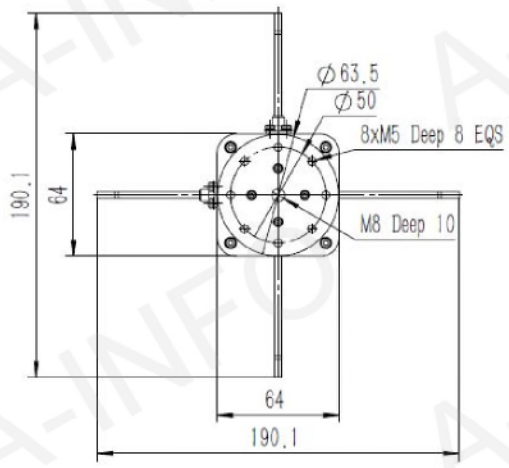
Frequency Range(GHz)	1.0 - 18.0
Gain(dBi)	10 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	195 - 22
Cross Pol. Isolation(dB)	20 Min.
Port to Port Isolation(dB)	20 Min.
VSWR	2.0:1 Typ.
Output	SMA-Female
	or N-Female
Power Handling(W)	SMA- Female: 50 Max. CW
	N-Female: 50 Max. CW
Material	Al
Size(mm)	190.1 x 190.1 x 186.1
Net Weight(Kg)	0.56 Around

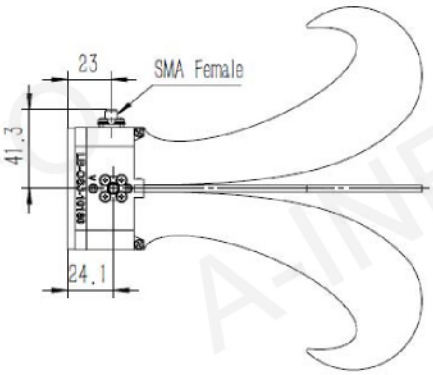
Outline Drawing (Size: mm)

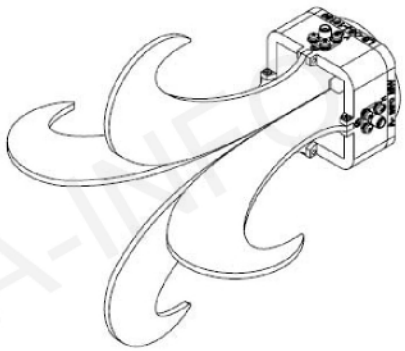
With SMA-Female Output

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



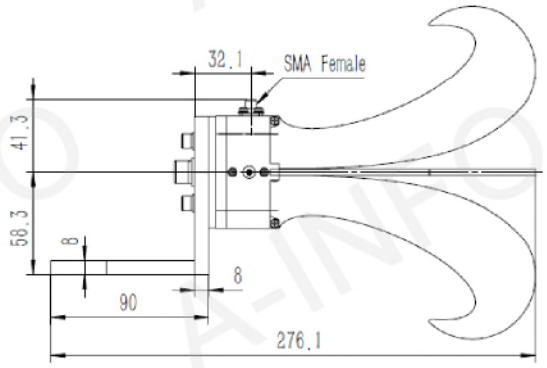


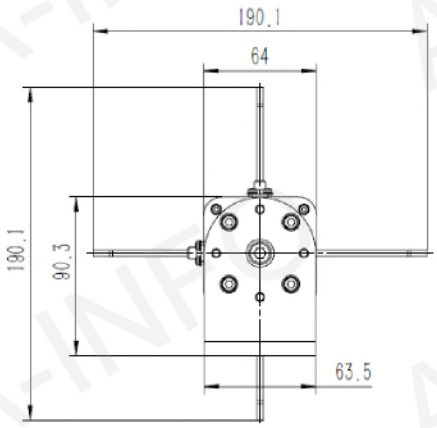


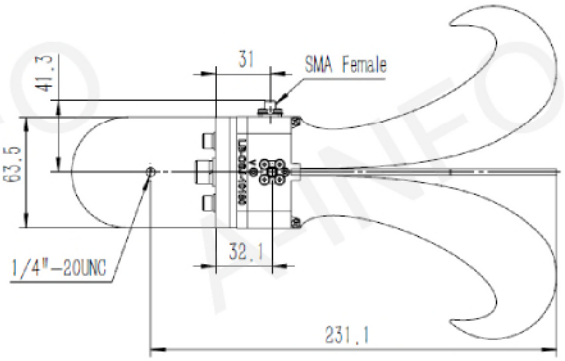


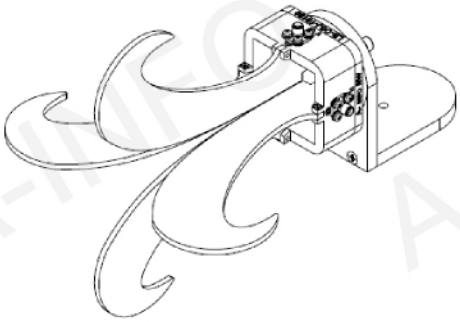
With SMA-Female Output & L Type Mounting Bracket

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



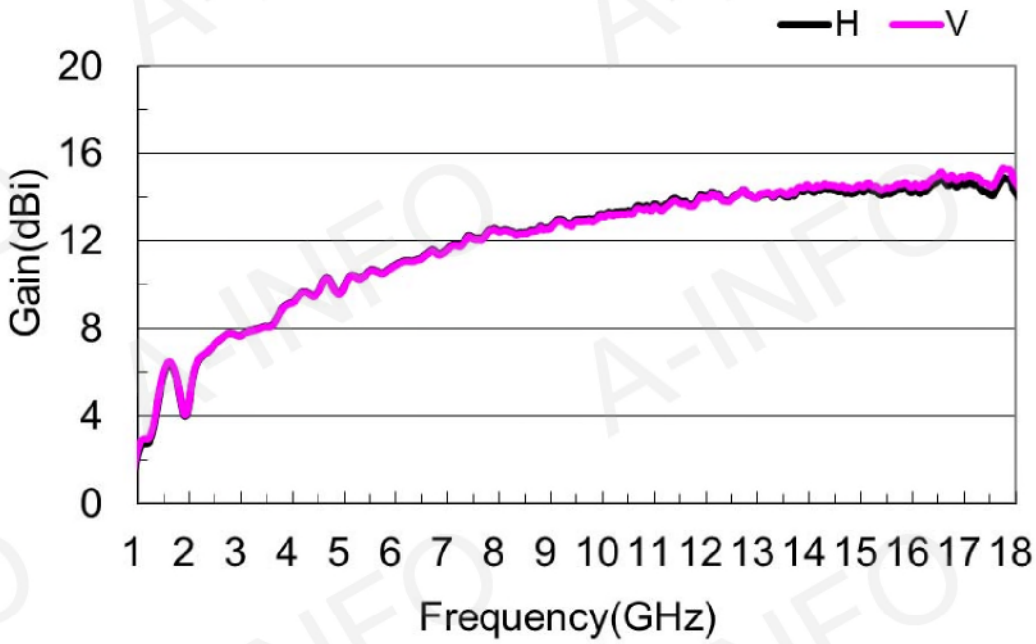


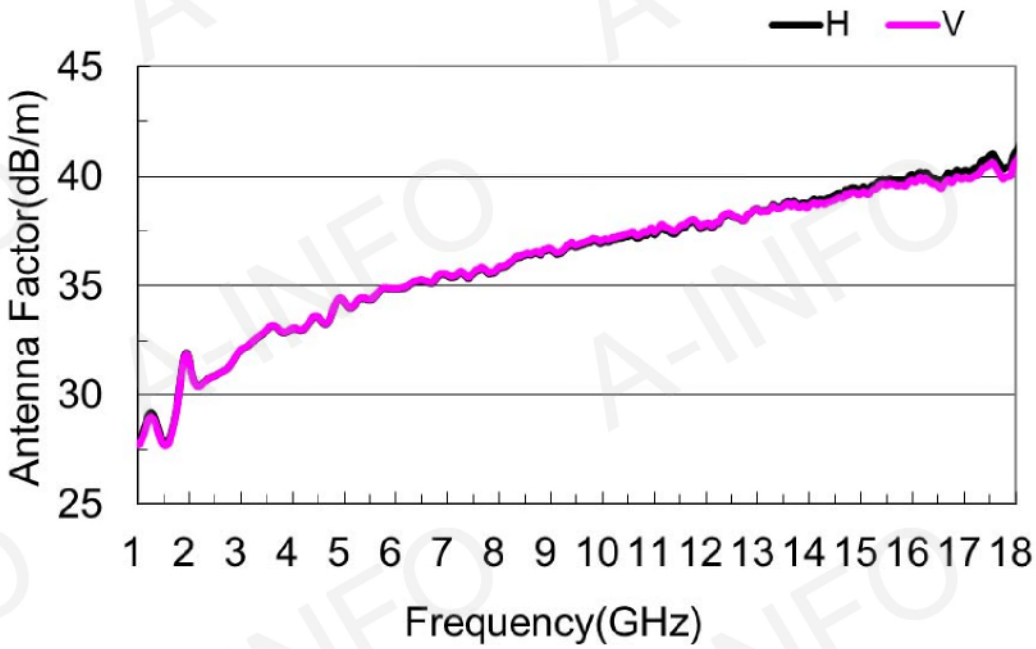




Test Results

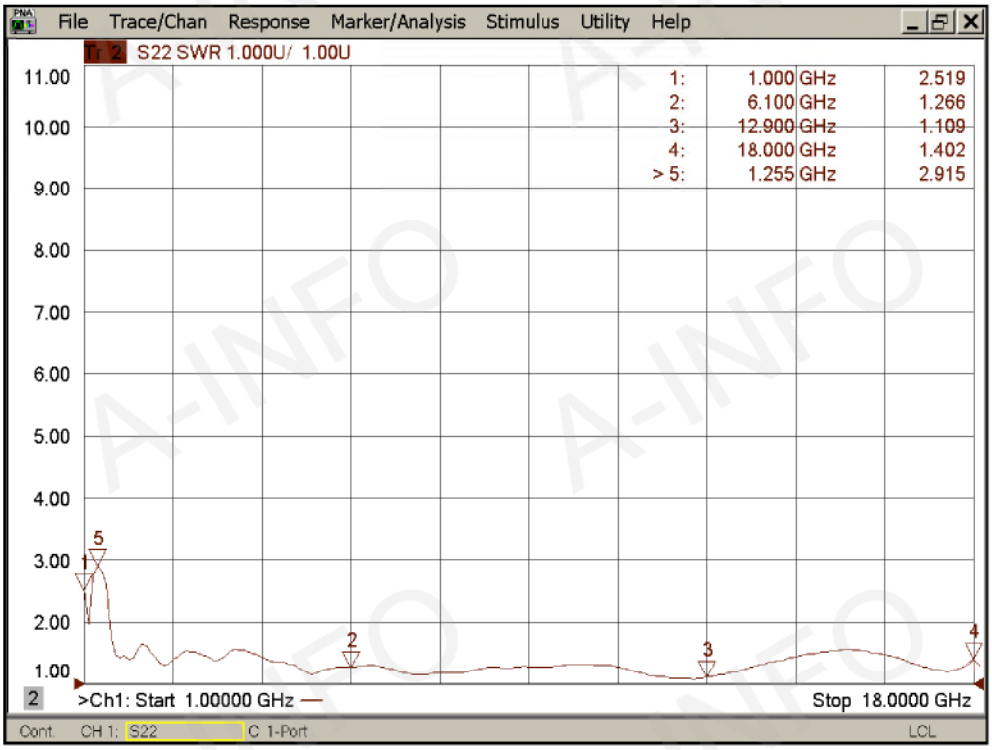
1. Gain & Antenna Factor



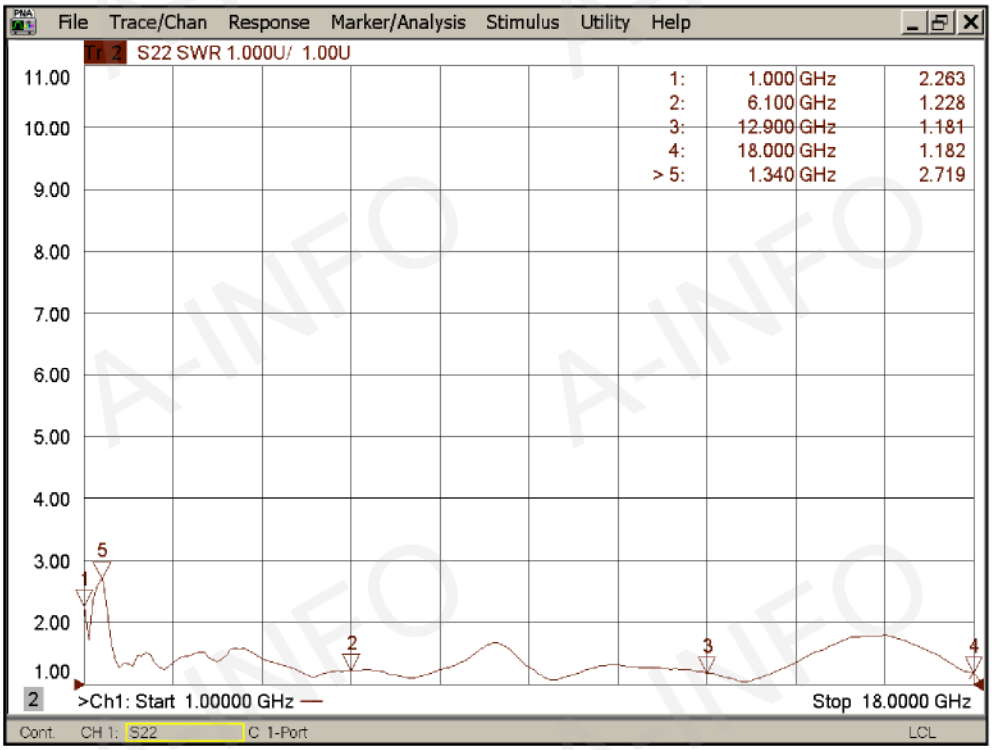


2. VSWR

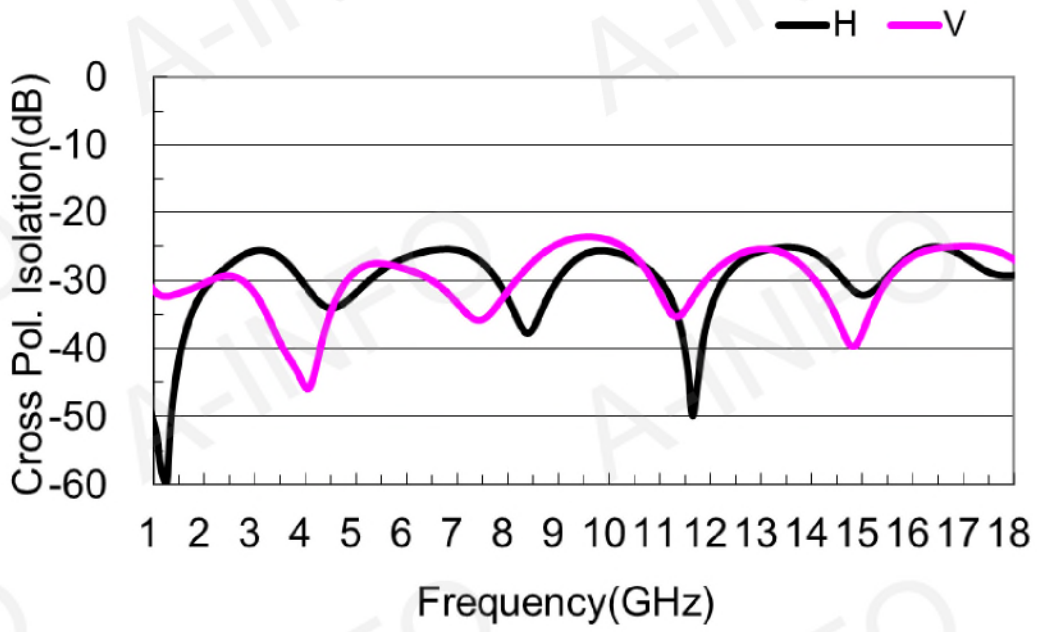
H Port



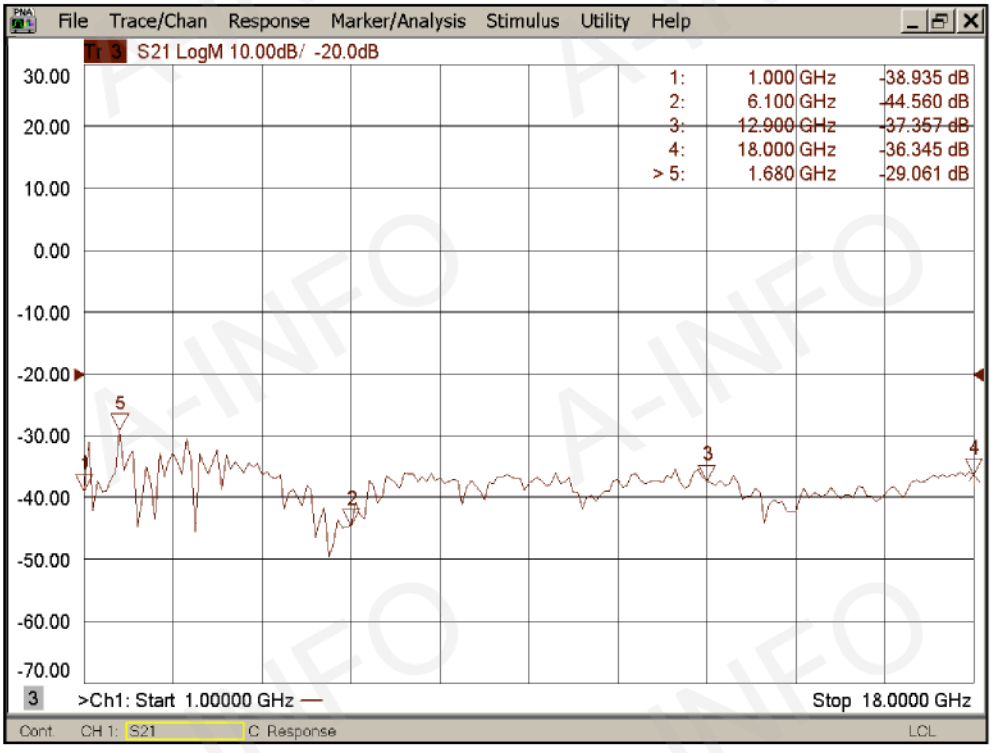
V Port



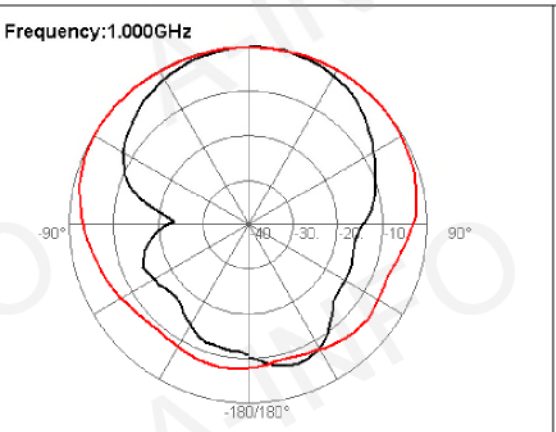
3. Cross Pol. Isolation



4. Port to Port Isolation

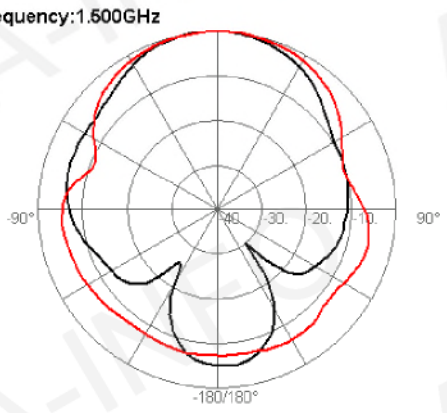


5. Pattern



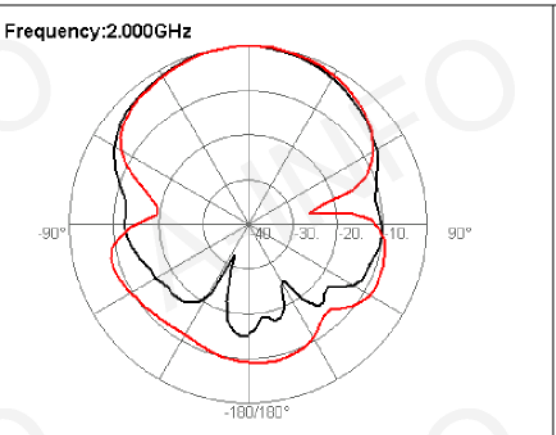
H-Plane
3dB Beamwidth(deg):178.64

E-Plane
3dB Beamwidth(deg):74.25



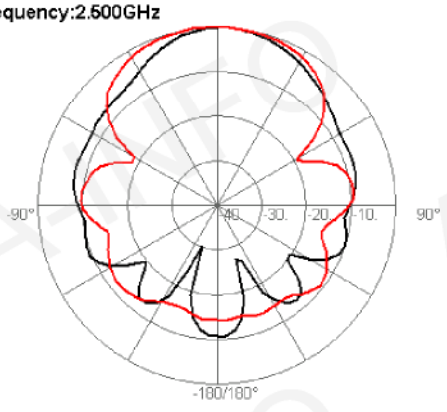
H-Plane
3dB Beamwidth(deg):82.46

E-Plane
3dB Beamwidth(deg):61.72



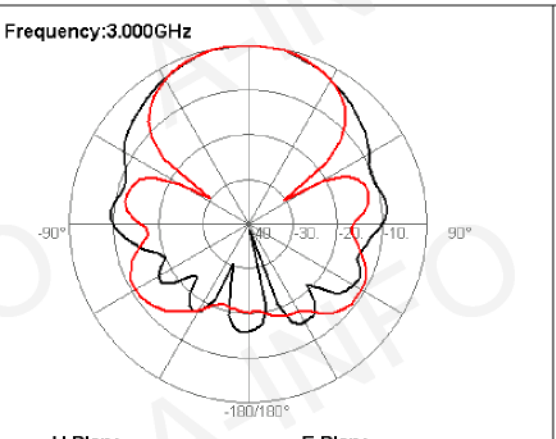
H-Plane
3dB Beamwidth(deg):84.26

E-Plane
3dB Beamwidth(deg):83.32



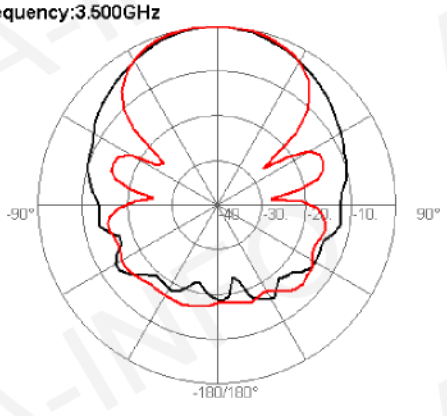
H-Plane
3dB Beamwidth(deg):73.34

E-Plane
3dB Beamwidth(deg):50.41



H-Plane
3dB Beamwidth(deg):61.20

E-Plane
3dB Beamwidth(deg):62.61



H-Plane
3dB Beamwidth(deg):59.83

E-Plane
3dB Beamwidth(deg):60.01

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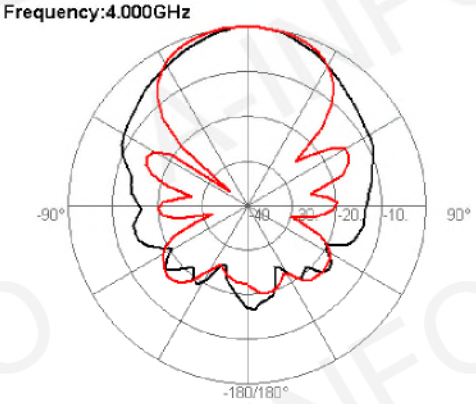
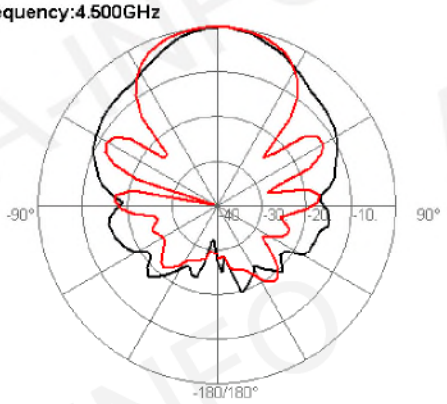


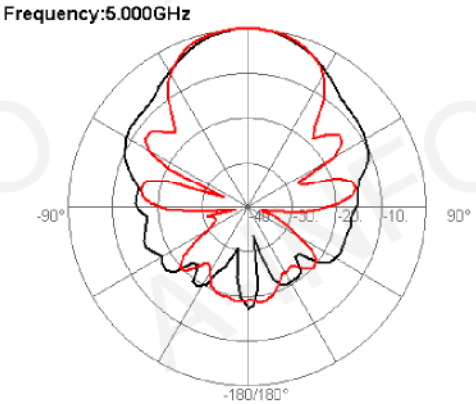
H-Plane
3dB Beamwidth(deg):56.34

E-Plane
3dB Beamwidth(deg):50.05



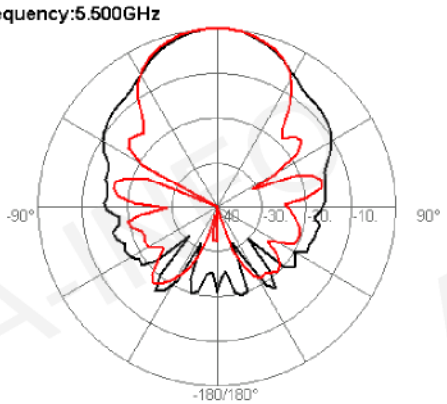
H-Plane
3dB Beamwidth(deg):49.62

E-Plane
3dB Beamwidth(deg):40.63



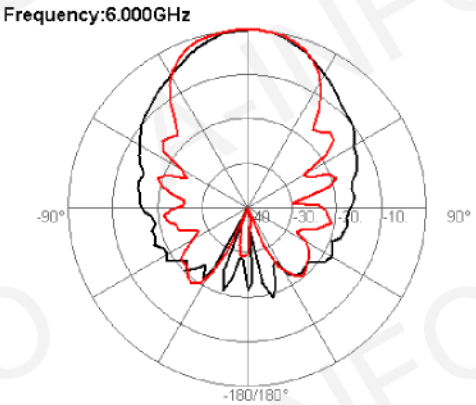
H-Plane
3dB Beamwidth(deg):48.04

E-Plane
3dB Beamwidth(deg):44.93



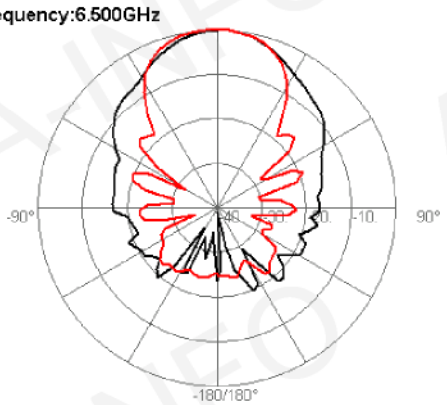
H-Plane
3dB Beamwidth(deg):45.73

E-Plane
3dB Beamwidth(deg):42.35



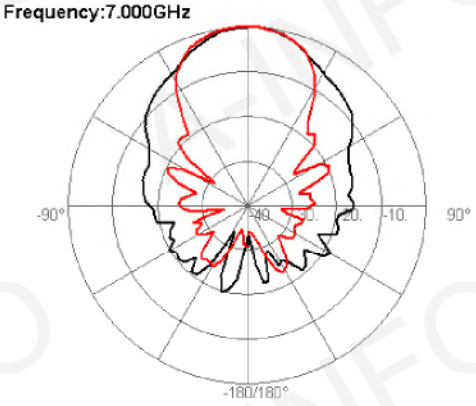
H-Plane
3dB Beamwidth(deg):45.99

E-Plane
3dB Beamwidth(deg):41.06



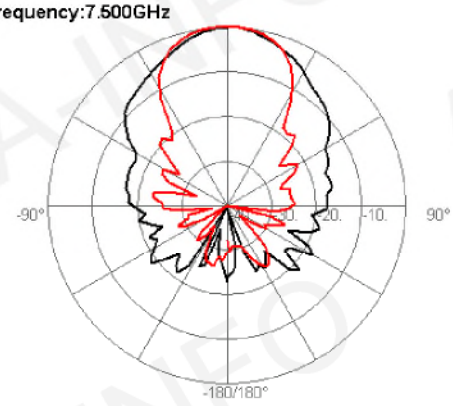
H-Plane
3dB Beamwidth(deg):42.63

E-Plane
3dB Beamwidth(deg):39.86



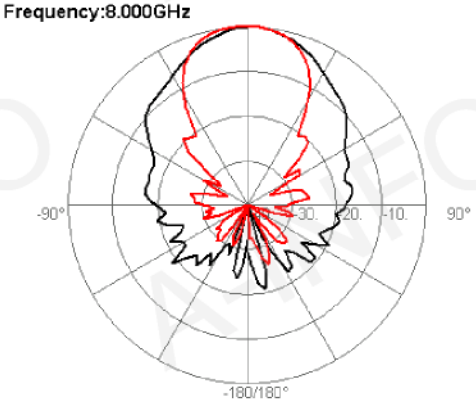
H-Plane
3dB Beamwidth(deg):41.17

E-Plane
3dB Beamwidth(deg):38.36



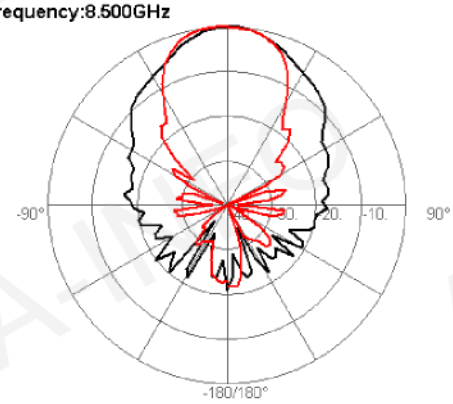
H-Plane
3dB Beamwidth(deg):39.67

E-Plane
3dB Beamwidth(deg):37.69



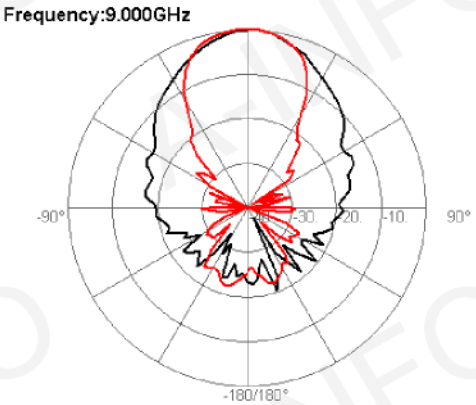
H-Plane
3dB Beamwidth(deg):37.08

E-Plane
3dB Beamwidth(deg):38.03



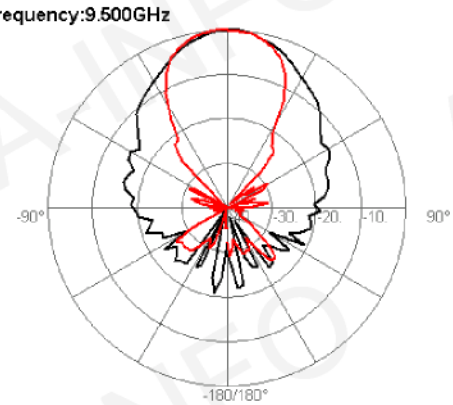
H-Plane
3dB Beamwidth(deg):36.82

E-Plane
3dB Beamwidth(deg):35.29



H-Plane
3dB Beamwidth(deg):36.12

E-Plane
3dB Beamwidth(deg):36.11

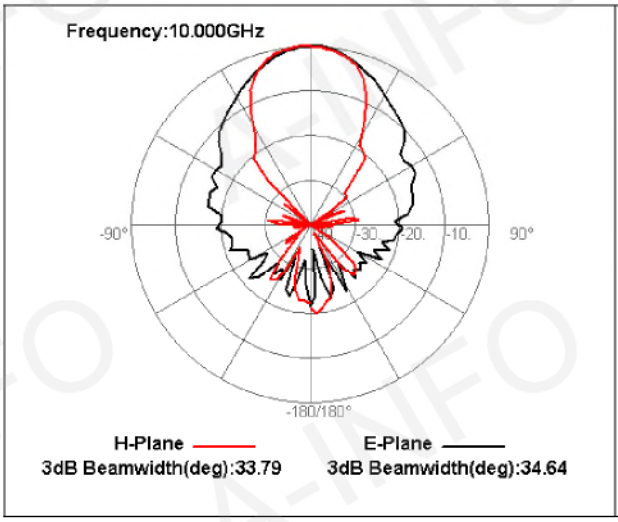


H-Plane
3dB Beamwidth(deg):34.61

E-Plane
3dB Beamwidth(deg):35.65

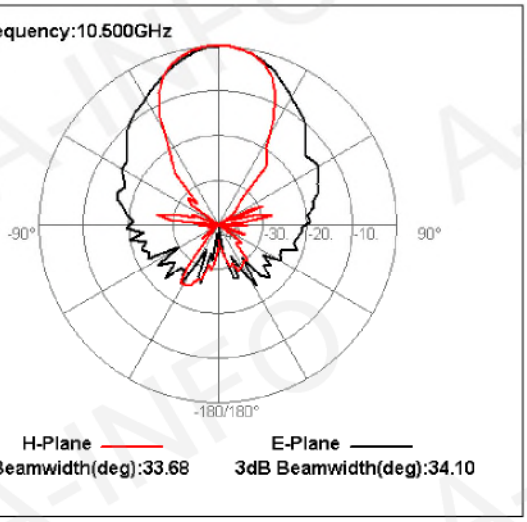
A-INFO

LB-OSJ-10180
1.0 - 18.0GHz Open Boundary Quad-Ridged Horn



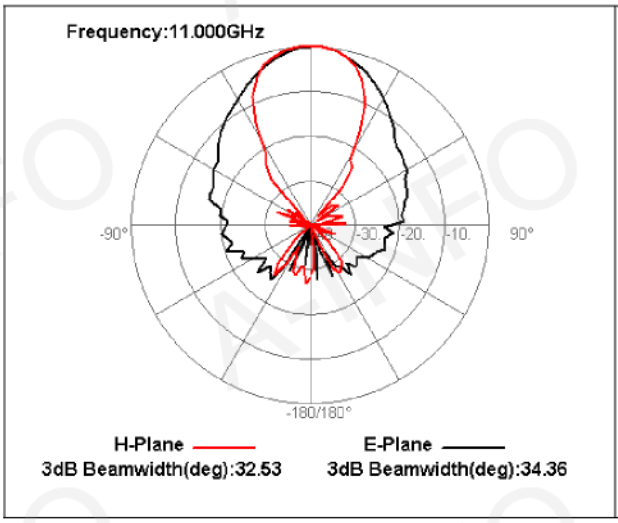
H-Plane
3dB Beamwidth(deg):33.79

E-Plane
3dB Beamwidth(deg):34.64



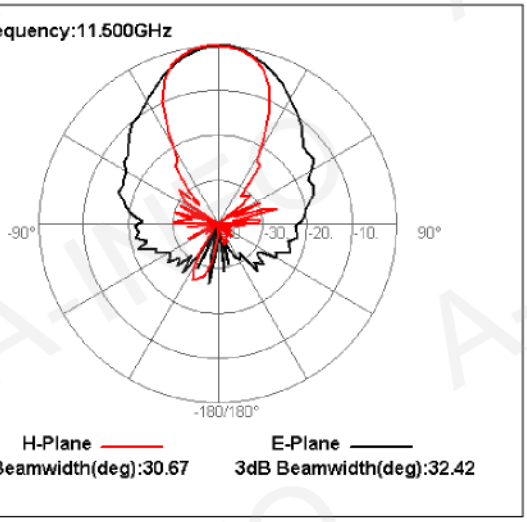
H-Plane
3dB Beamwidth(deg):33.68

E-Plane
3dB Beamwidth(deg):34.10



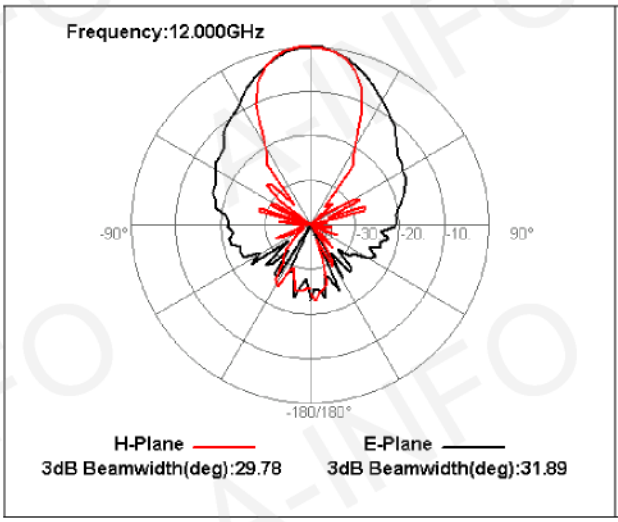
H-Plane
3dB Beamwidth(deg):32.53

E-Plane
3dB Beamwidth(deg):34.36



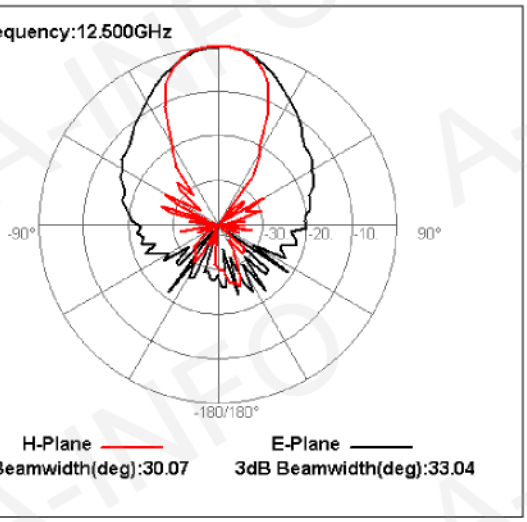
H-Plane
3dB Beamwidth(deg):30.67

E-Plane
3dB Beamwidth(deg):32.42



H-Plane
3dB Beamwidth(deg):29.78

E-Plane
3dB Beamwidth(deg):31.89



H-Plane
3dB Beamwidth(deg):30.07

E-Plane
3dB Beamwidth(deg):33.04

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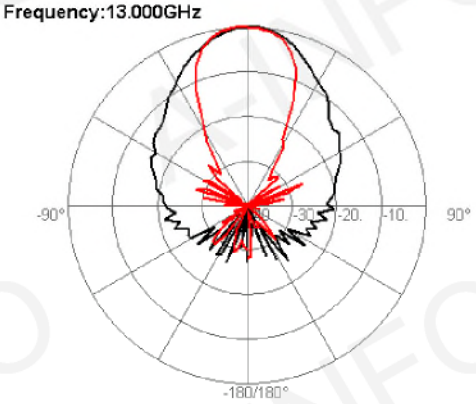
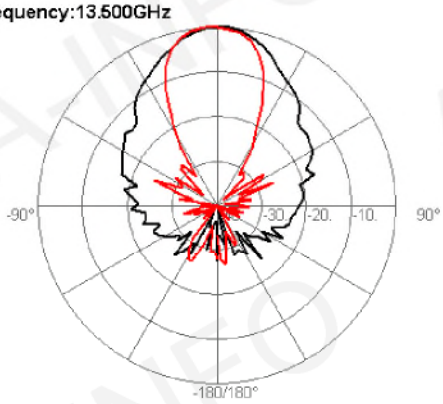


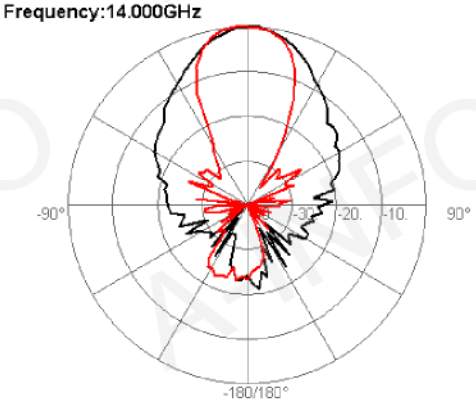
H-Plane
3dB Beamwidth(deg):28.98

E-Plane
3dB Beamwidth(deg):32.50



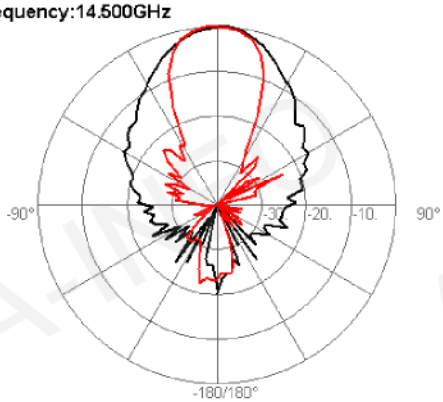
H-Plane
3dB Beamwidth(deg):27.72

E-Plane
3dB Beamwidth(deg):31.74



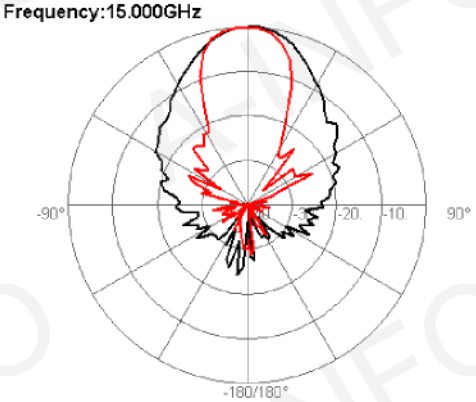
H-Plane
3dB Beamwidth(deg):28.24

E-Plane
3dB Beamwidth(deg):30.90



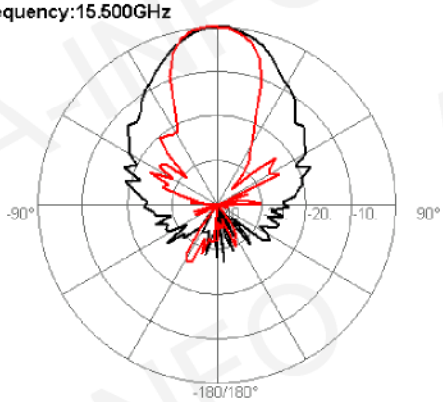
H-Plane
3dB Beamwidth(deg):27.01

E-Plane
3dB Beamwidth(deg):31.43



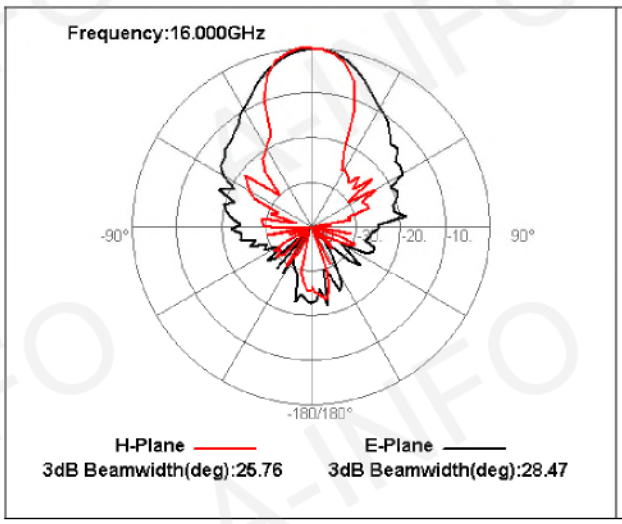
H-Plane
3dB Beamwidth(deg):25.79

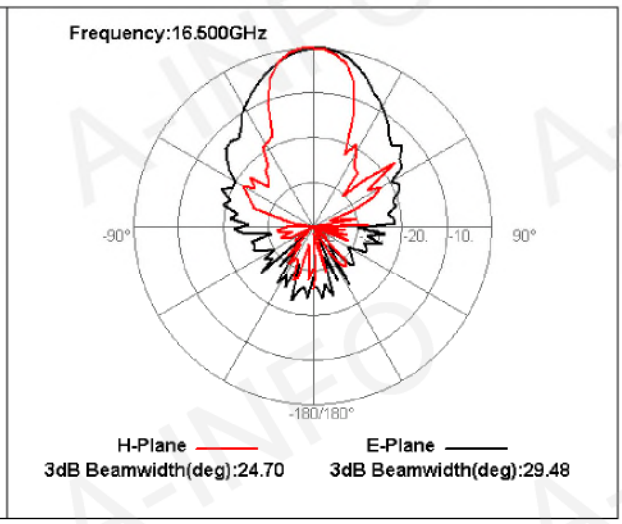
E-Plane
3dB Beamwidth(deg):30.86

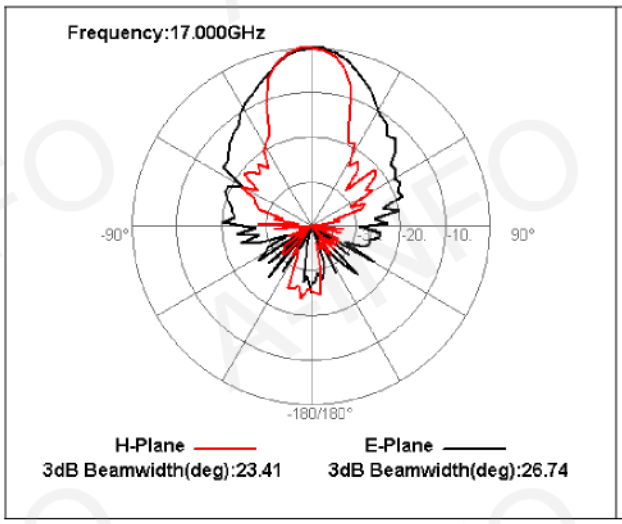


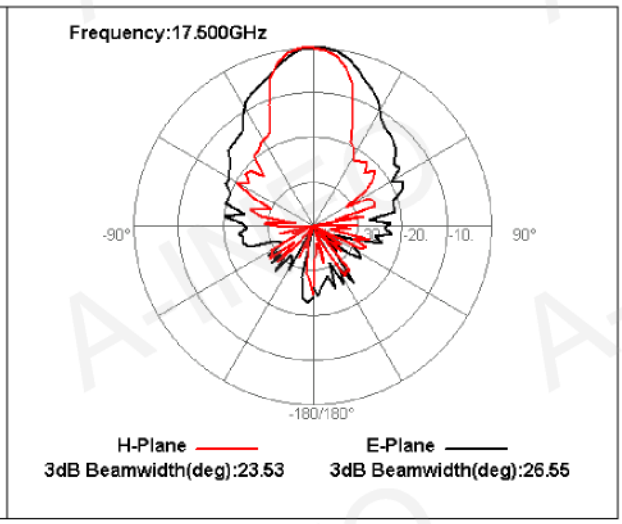
H-Plane
3dB Beamwidth(deg):26.16

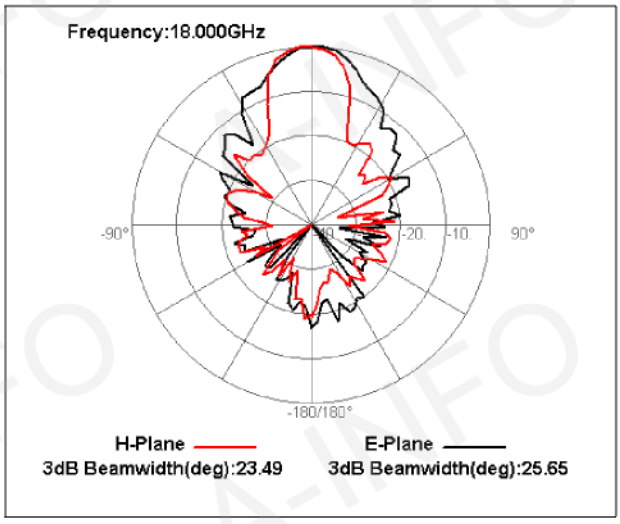
E-Plane
3dB Beamwidth(deg):29.93


Frequency:16.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):25.76
E-Plane
3dB Beamwidth(deg):28.47


Frequency:16.500GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):24.70
E-Plane
3dB Beamwidth(deg):29.48


Frequency:17.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):23.41
E-Plane
3dB Beamwidth(deg):26.74


Frequency:17.500GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):23.53
E-Plane
3dB Beamwidth(deg):26.55


Frequency:18.000GHz
-90°
90°
-20.
-10.
-180/180°
H-Plane
3dB Beamwidth(deg):23.49
E-Plane
3dB Beamwidth(deg):25.65