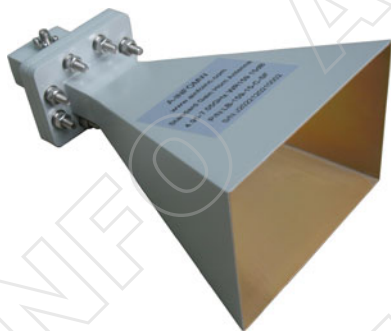


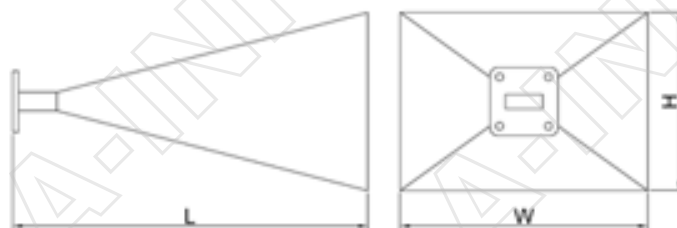
Technical Specification



Frequency Range(GHz)	4.90 - 7.05
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR159
Material	Al
Output	A Type: FDP58 C Type: SMA-F
Size(mm) W x H x L	A Type: 138x103x180 C Type: 138x103x230
Net Weight(Kg)	A Type: 0.3 Around C Type: 0.5 Around

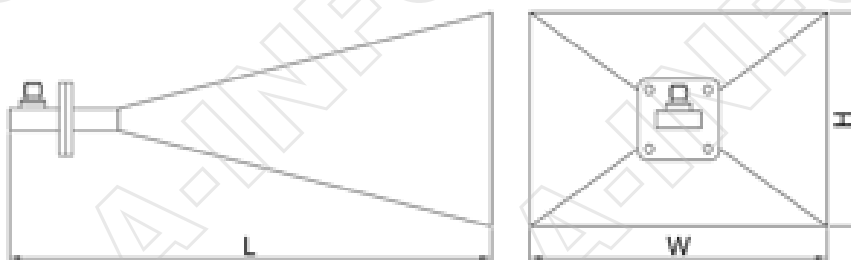
Outline Drawing (Size: mm)

A Type



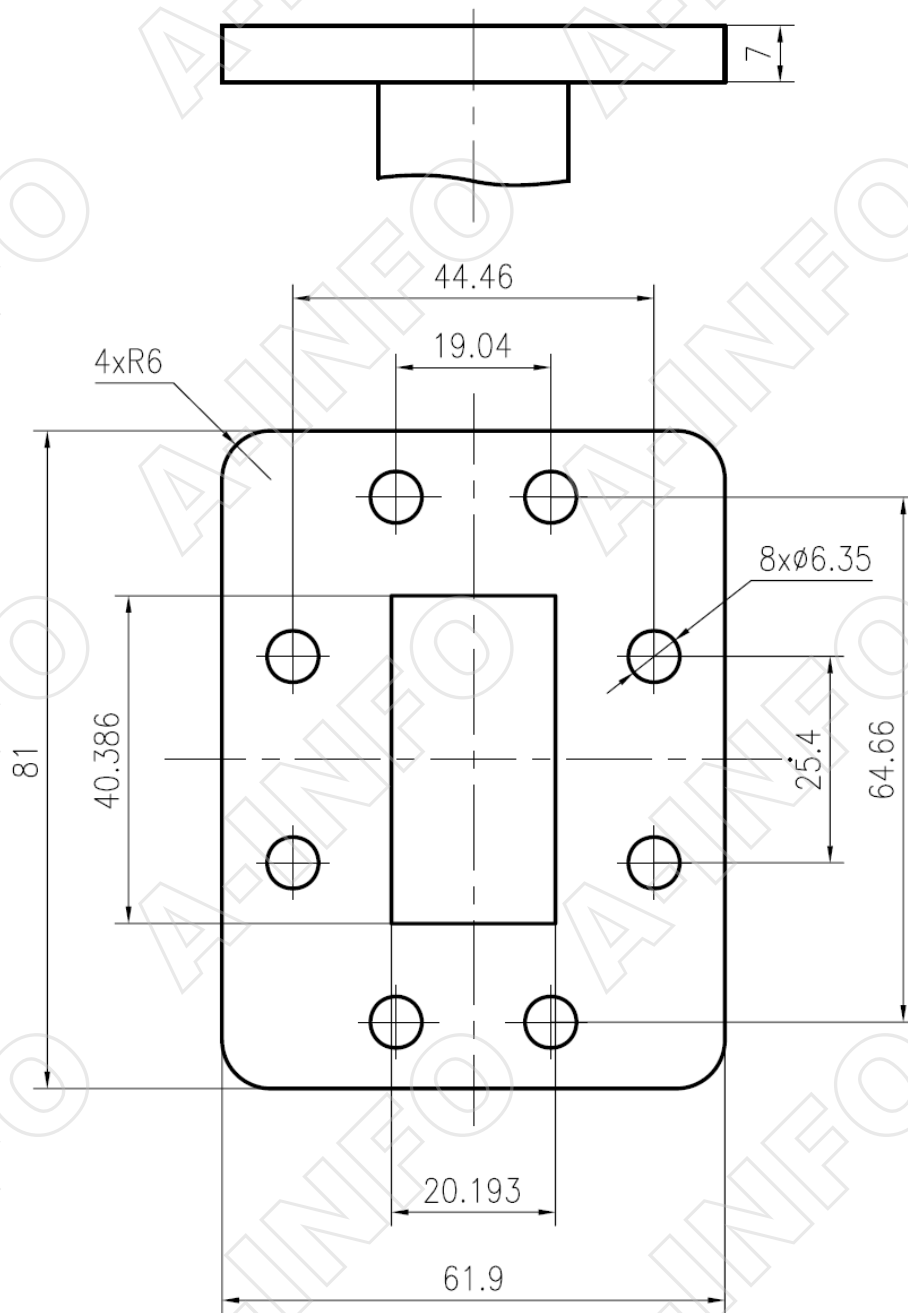
W x H x L: 138x103x180

C Type



W x H x L: 138x103x230

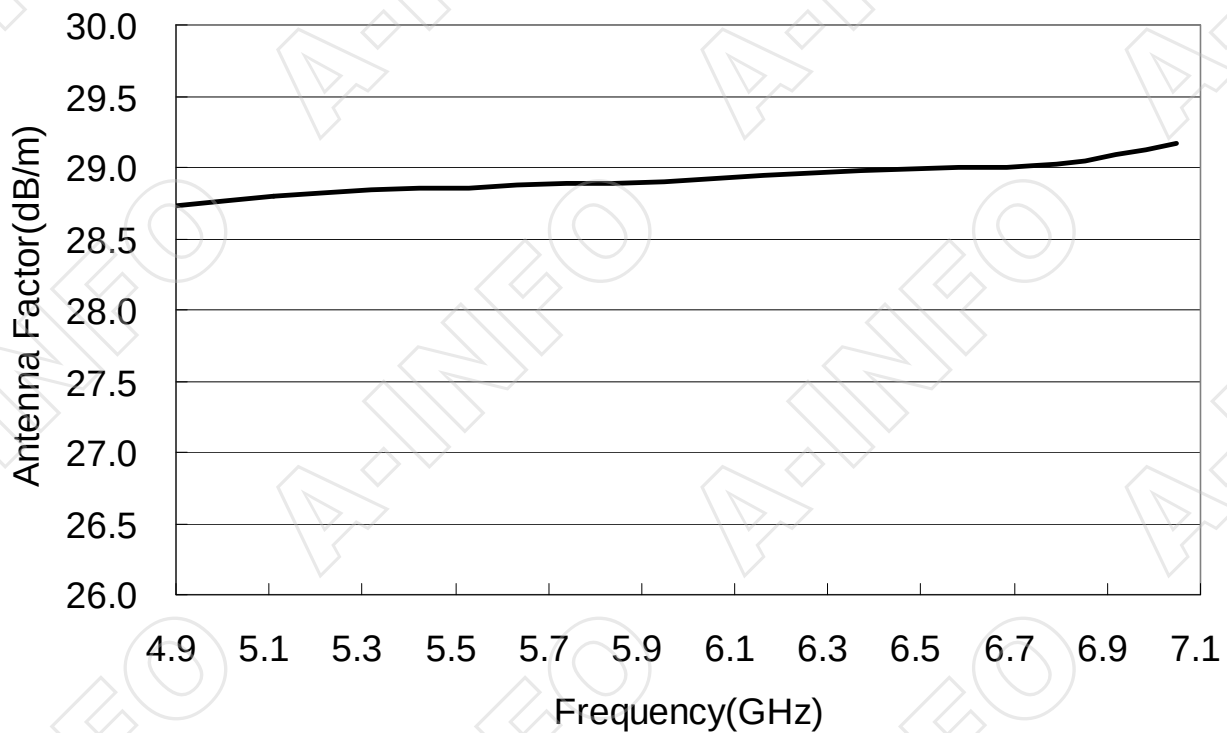
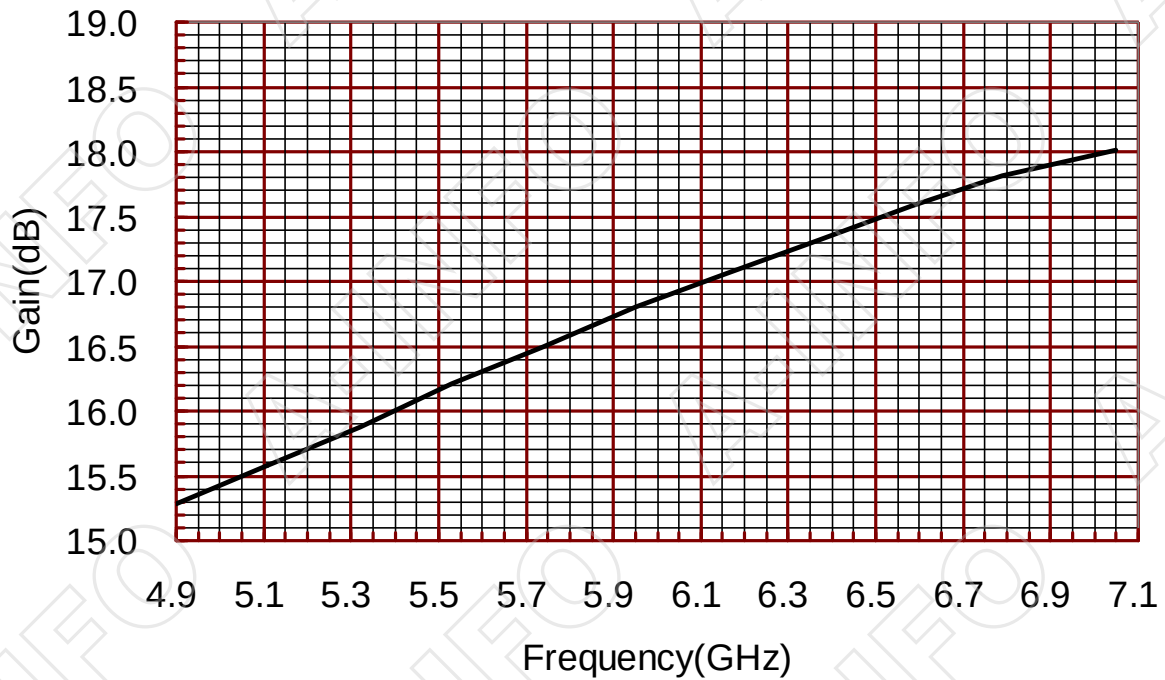
Flange Drawing (Size: mm)



FDP58

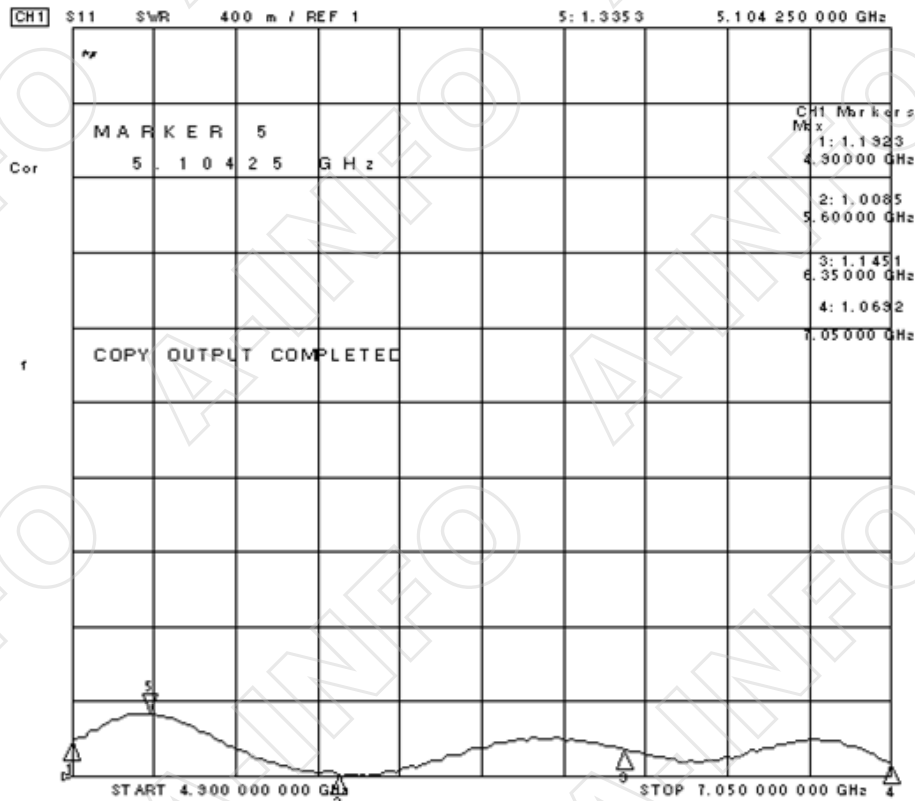
Test Results

1. Gain and Antenna Factor

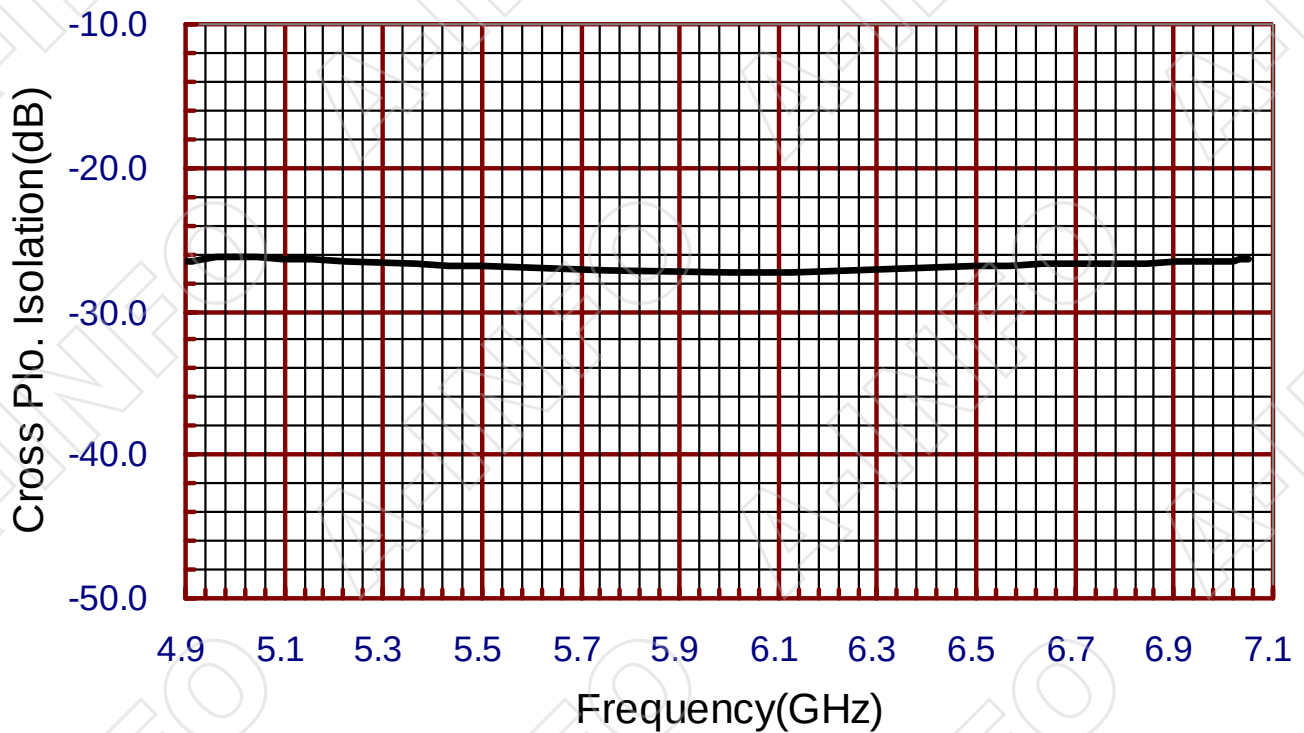


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
4.90	15.28	28.73
5.11	15.58	28.80
5.32	15.88	28.85
5.53	16.21	28.85
5.74	16.50	28.89
5.95	16.80	28.90
6.16	17.06	28.94
6.37	17.32	28.97
6.58	17.58	28.99
6.79	17.82	29.03
7.05	18.01	29.16

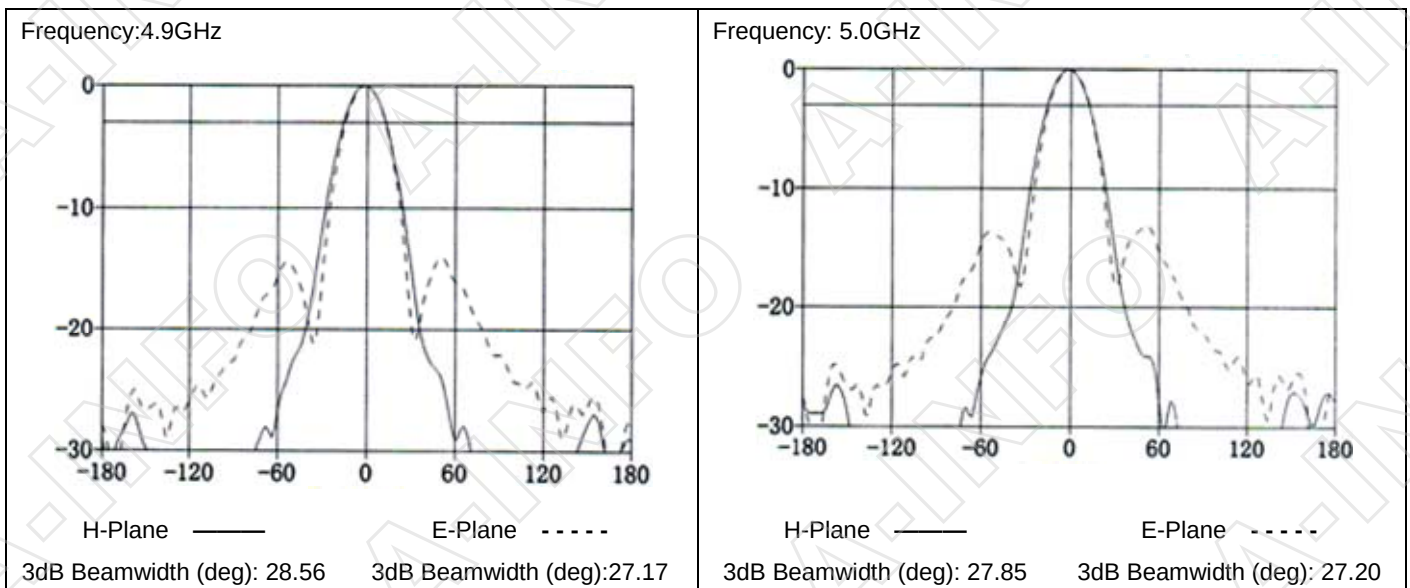
2. VSWR



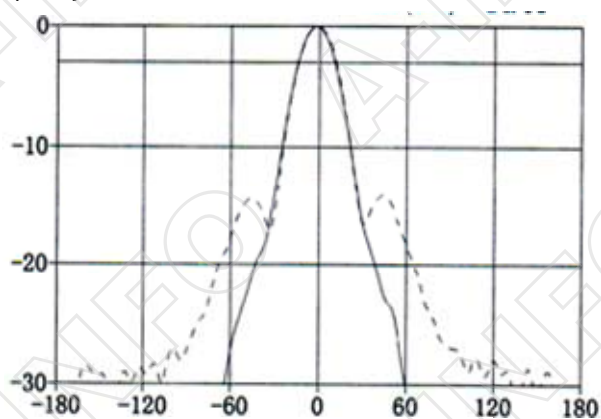
3. Cross Polarization Isolation



4. Pattern



Frequency: 5.5GHz



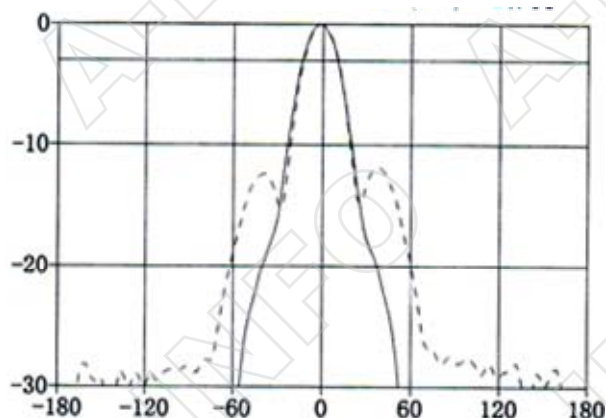
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 25.04

3dB Beamwidth (deg): 25.80

Frequency: 6.0GHz



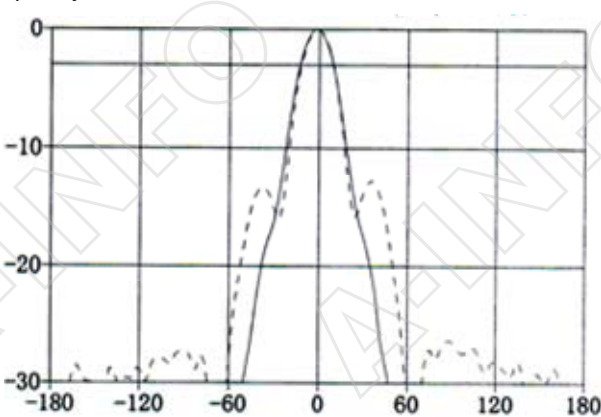
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 23.78

3dB Beamwidth (deg): 23.39

Frequency: 6.5GHz



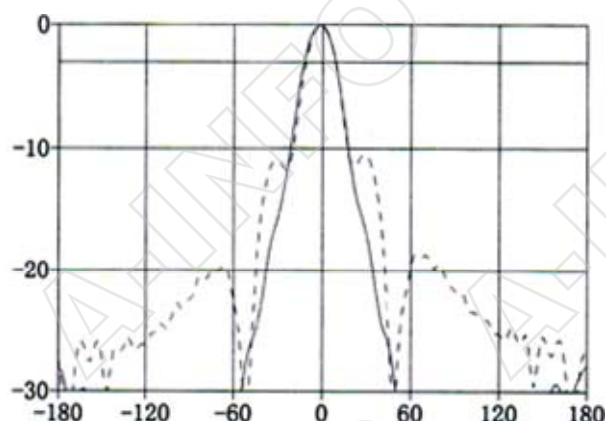
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 22.24

3dB Beamwidth (deg): 21.52

Frequency: 7.0GHz



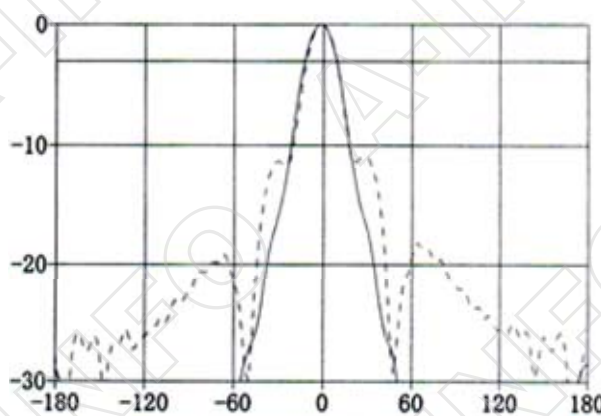
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 21.20

3dB Beamwidth (deg): 20.09

Frequency: 7.05GHz



H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 21.31

3dB Beamwidth (deg): 20.06