

Technical Specification



Frequency Range(GHz)	10.0 - 15.0
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR75
Material	Al
Output	A Type: FBP120 C Type: N/SMA/3.5mm/TNC/7mm
Size(mm) W x H x L	A Type: 68x48x90 C Type: 68x48x120
Net Weight(Kg)	A Type: 0.07 Around C Type: 0.12 Around

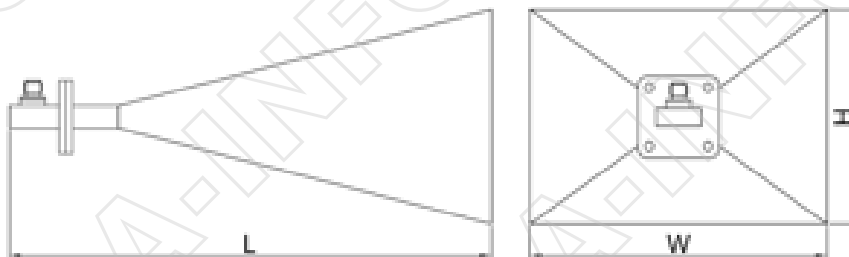
Outline Drawing (Size: mm)

A Type



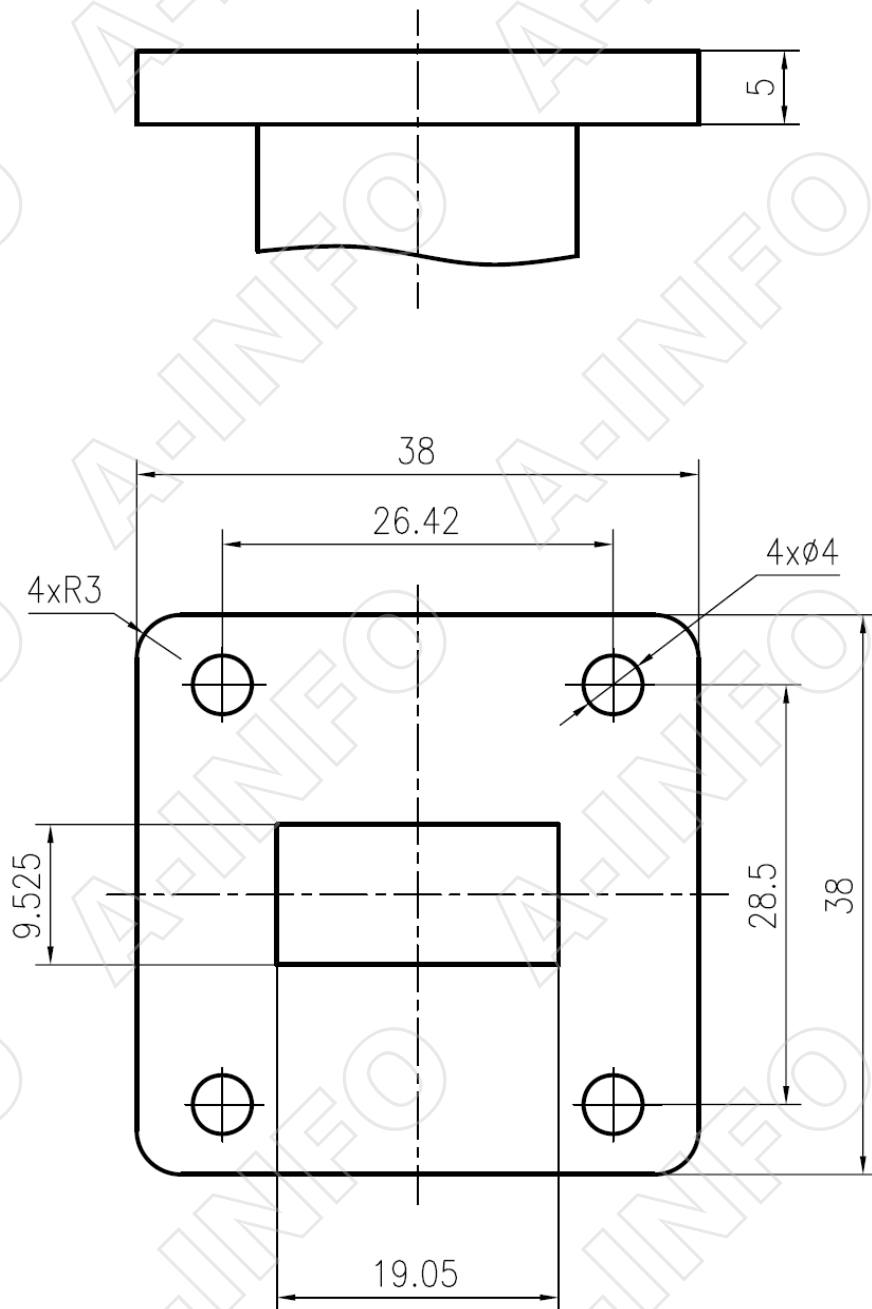
W x H x L: 68x48x90

C Type



W x H x L: 68x48x120

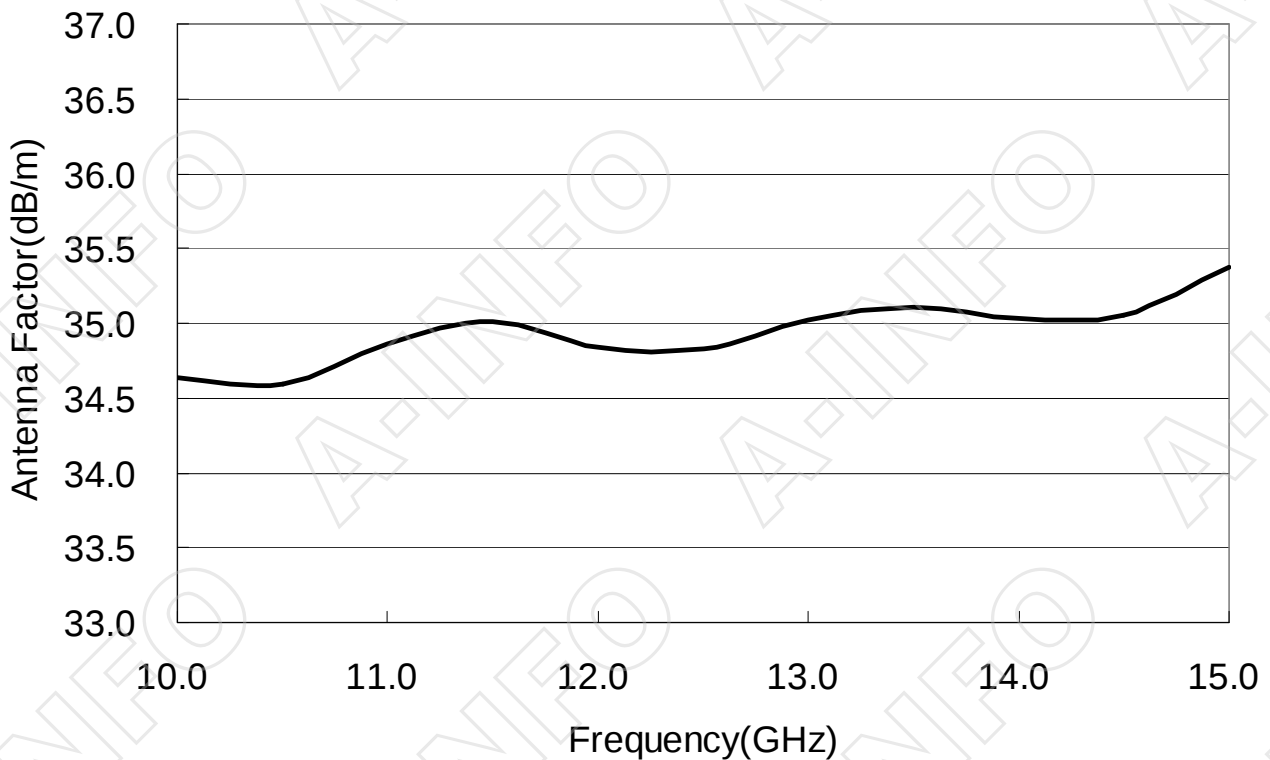
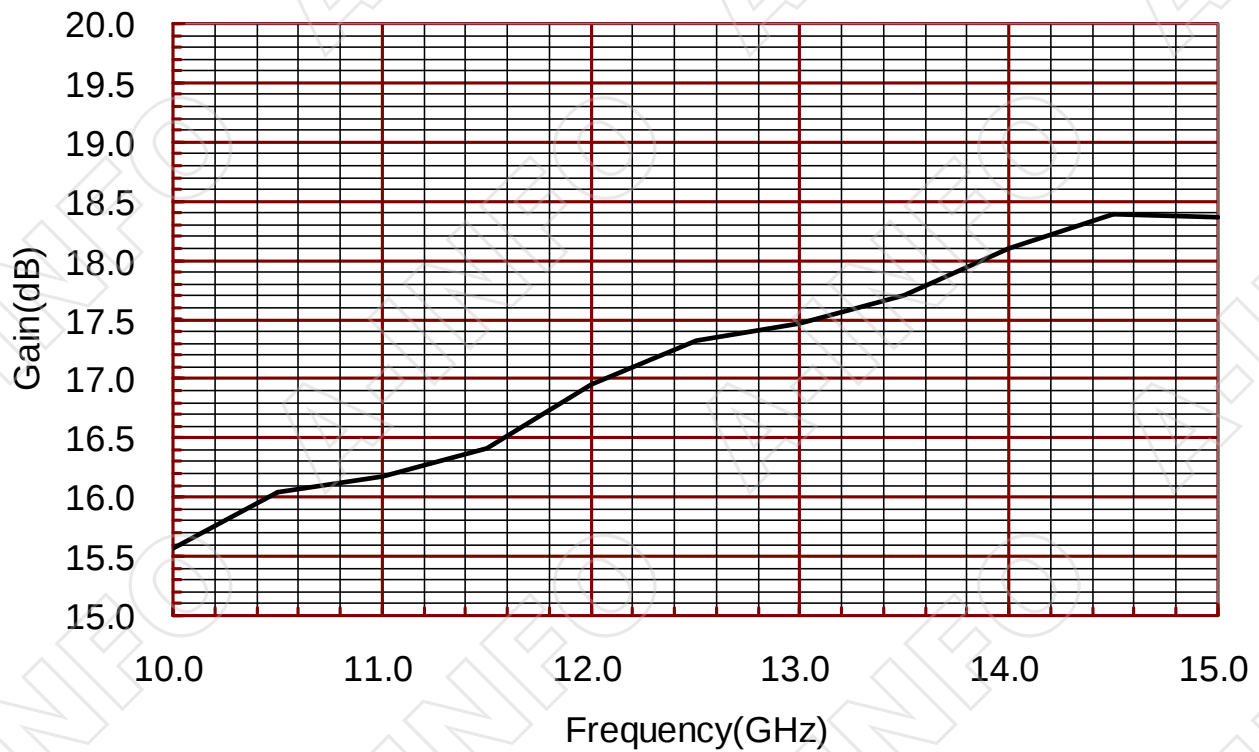
Flange Drawing (Size: mm)



FBP120

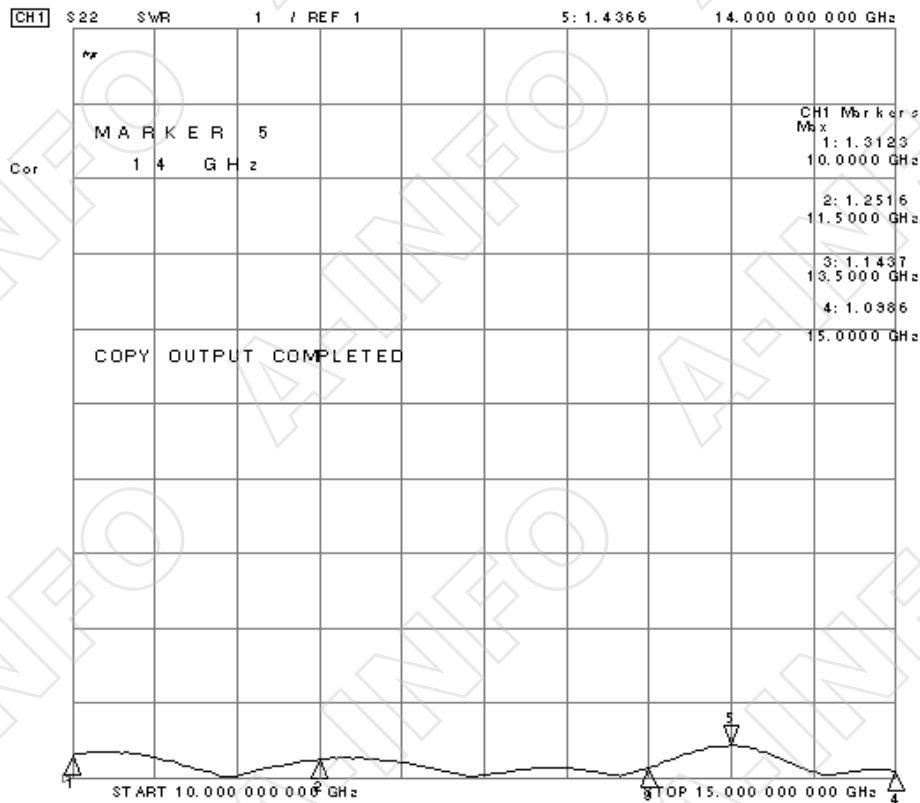
Test Results

1. Gain and Antenna Factor

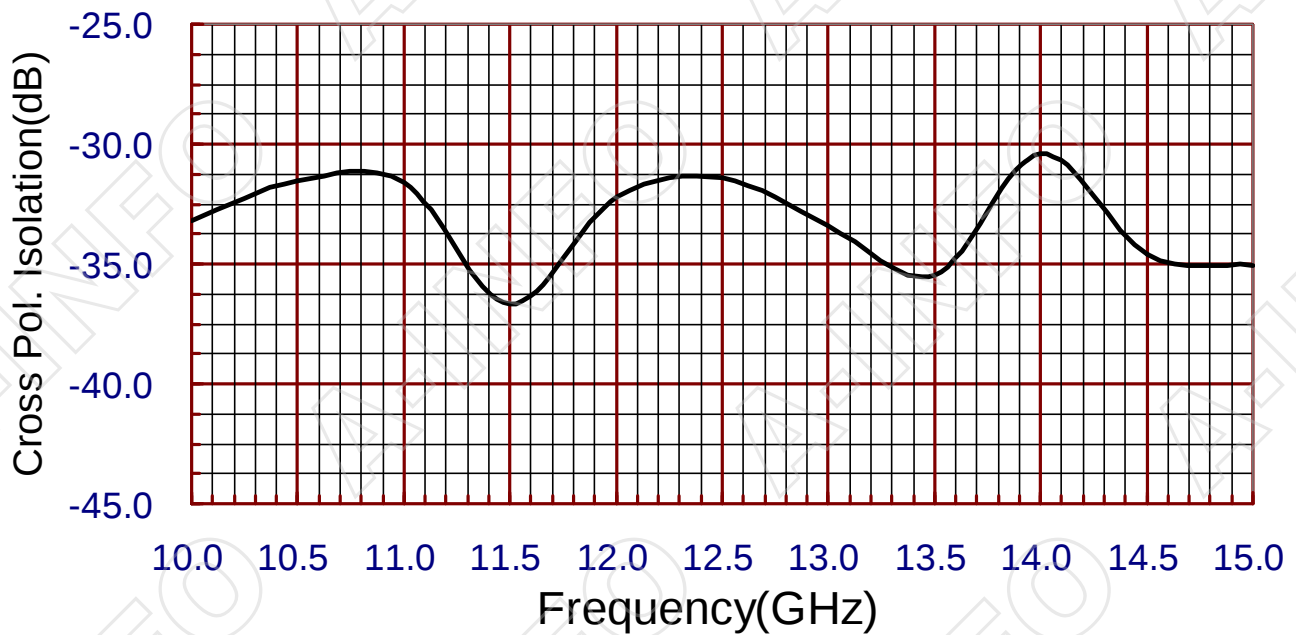


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
10.00	15.57	34.64
10.50	16.04	34.59
11.00	16.17	34.87
11.50	16.42	35.01
12.00	16.96	34.84
12.50	17.32	34.83
13.00	17.47	35.02
13.50	17.71	35.11
14.00	18.10	35.03
14.50	18.39	35.05
15.00	18.36	35.37

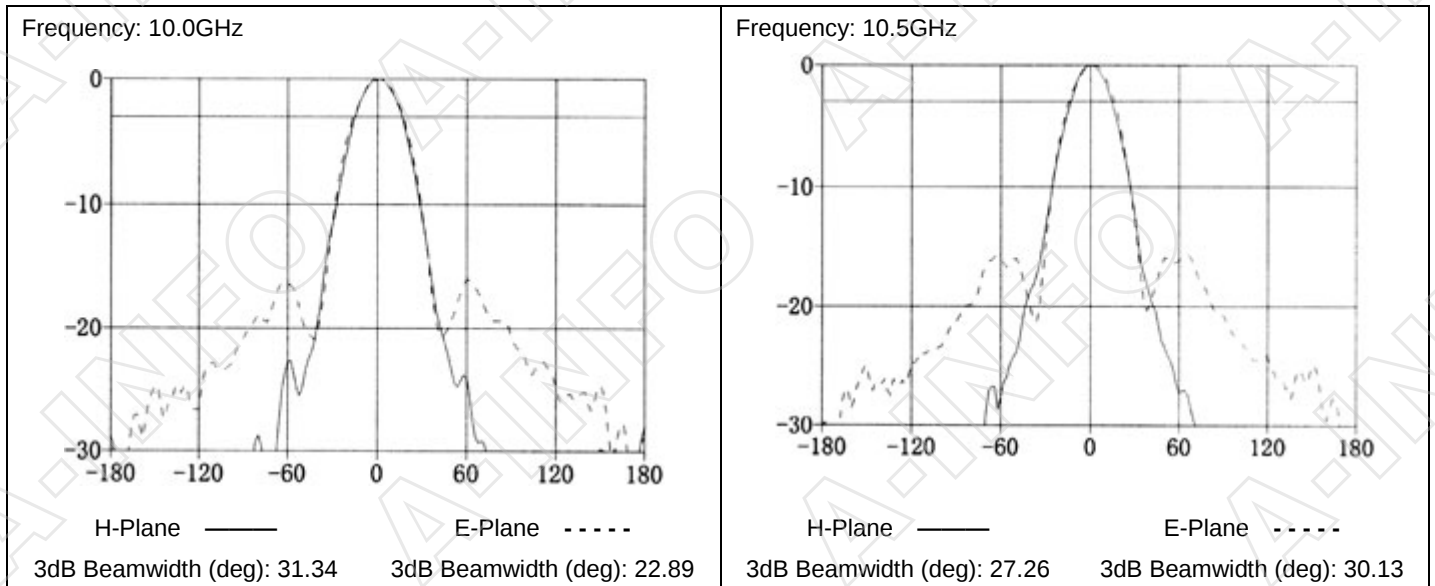
2. VSWR



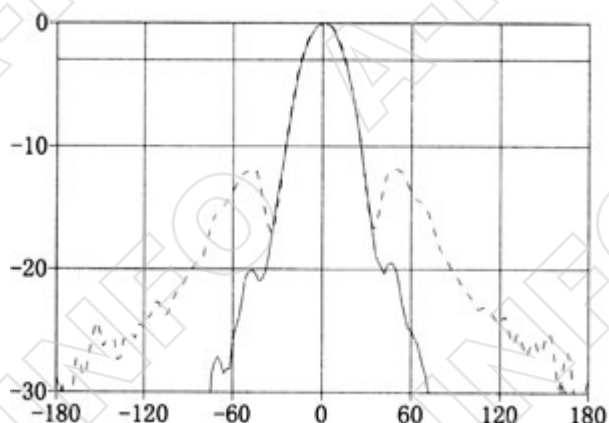
3. Cross Polarization Isolation



4. Pattern



Frequency: 11.0GHz



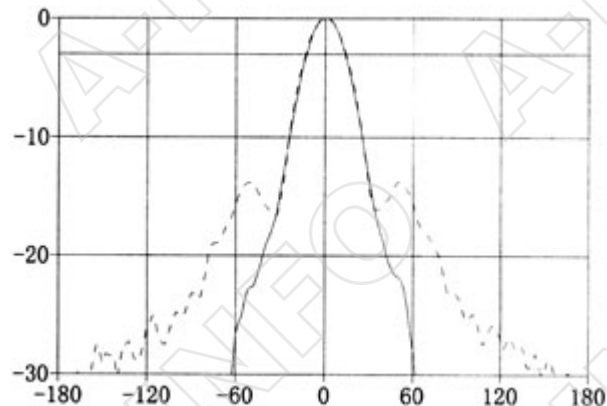
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 28.73

3dB Beamwidth (deg): 29.71

Frequency: 11.5GHz



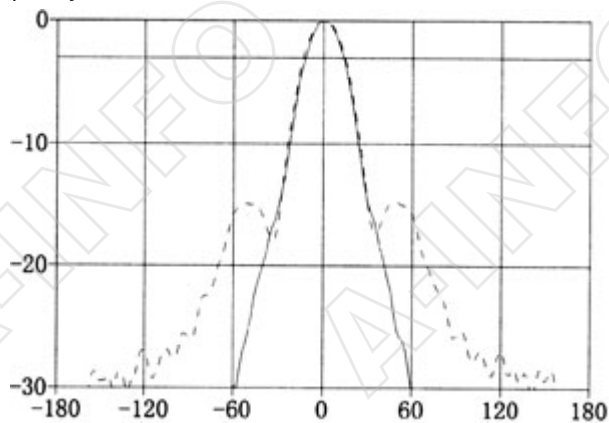
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 25.58

3dB Beamwidth (deg): 27.33

Frequency: 12.0GHz



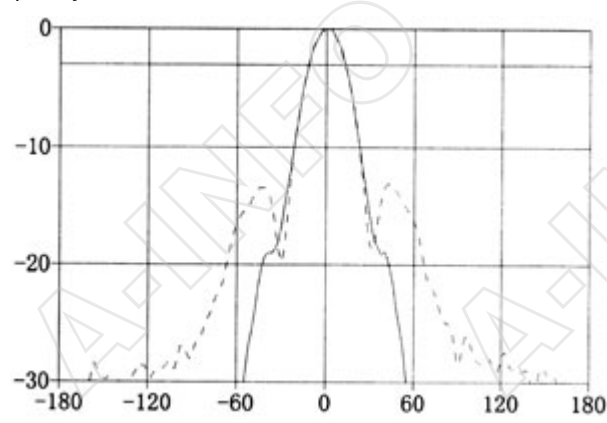
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 25.67

3dB Beamwidth (deg): 27.95

Frequency: 12.5GHz



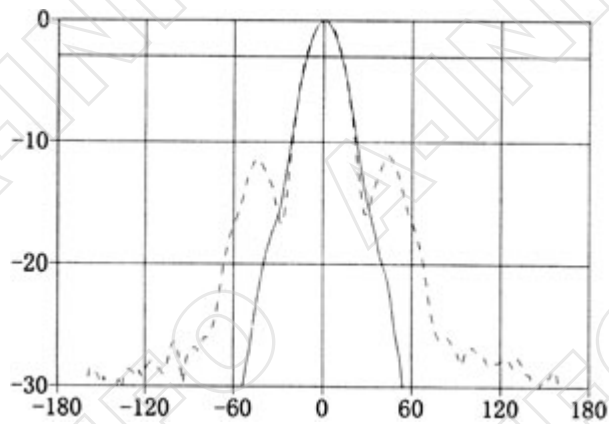
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 24.45

3dB Beamwidth (deg): 24.43

Frequency: 13.0GHz



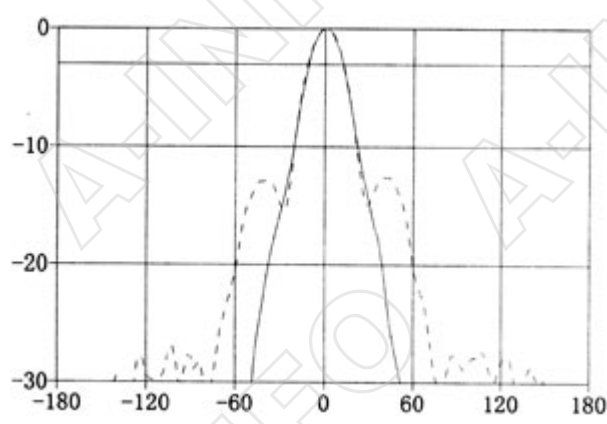
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 23.24

3dB Beamwidth (deg): 24.55

Frequency: 13.5GHz



H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 22.85

3dB Beamwidth (deg): 23.74

