

Technical Specification

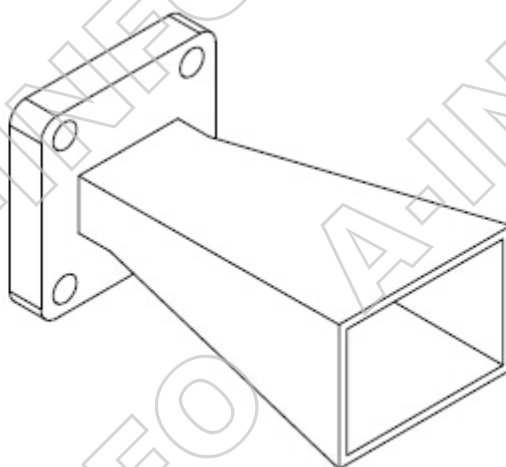
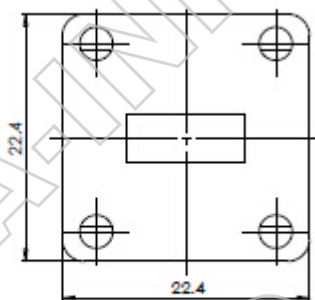
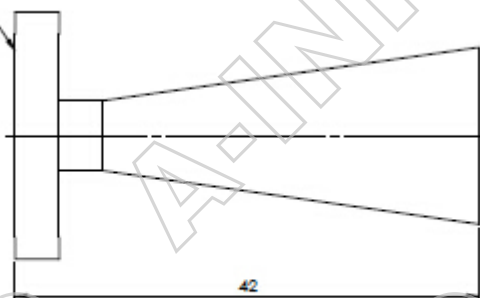


Frequency Range(GHz)	18.0 - 26.5
Gain(dB)	10 Typ.
3dB Beamwidth(deg)	55 Typ.
Waveguide	WR42
Material	Cu
Output	A Type: FBP220 C Type: SMA-F or 2.92mm-F or 3.5mm-F
Size(mm)	A Type: 22.4x22.4x42 C Type: 22.40x27.76x67
Net Weight(Kg)	A Type: 0.05 Around C Type: 0.10 Around

Outline Drawing (Size: mm)

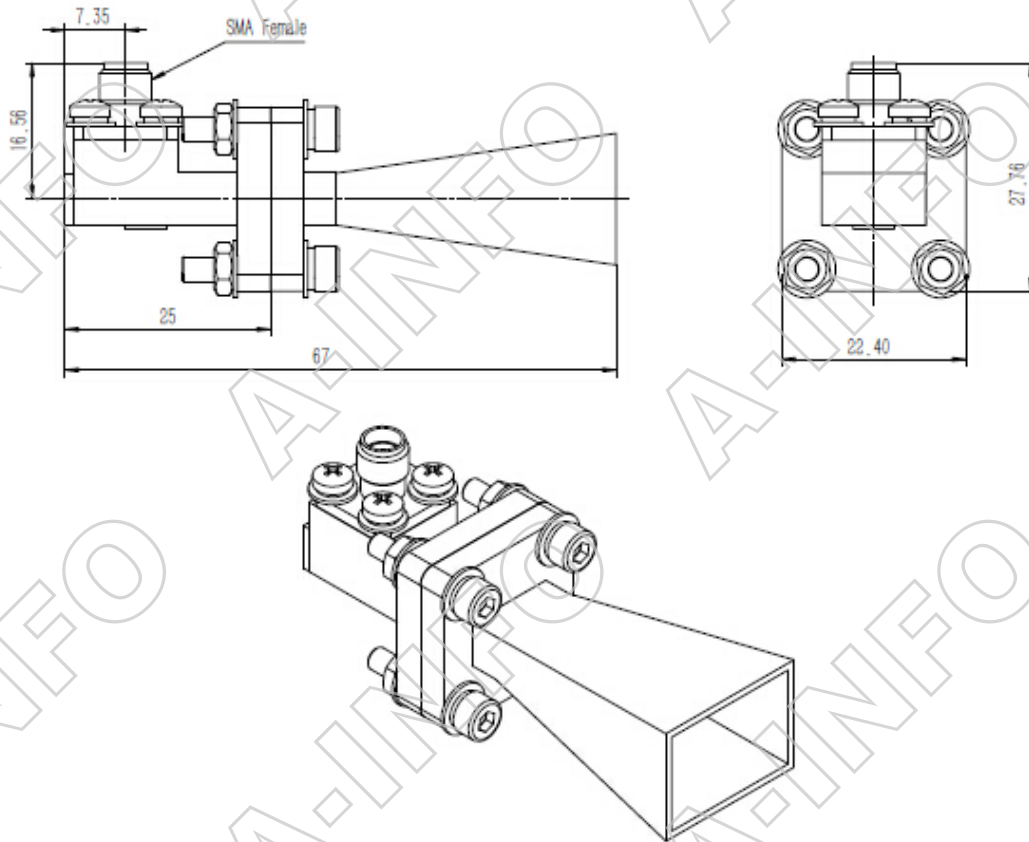
A Type

FBP220

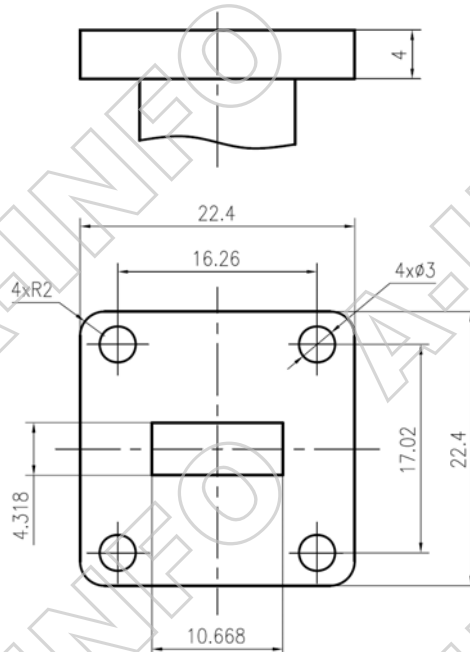


C Type(with SMA Female output)

Outline drawing with 2.92mm-F & 3.5mm-F is same as SMA-F version.



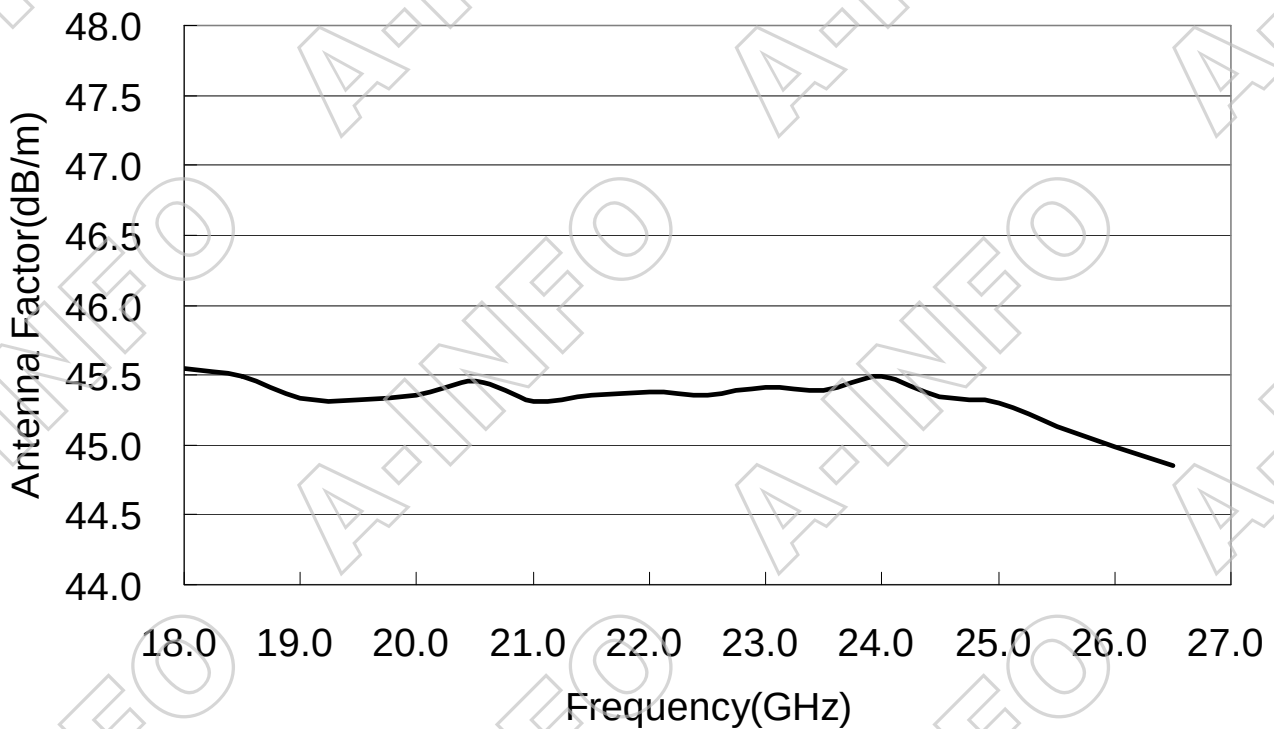
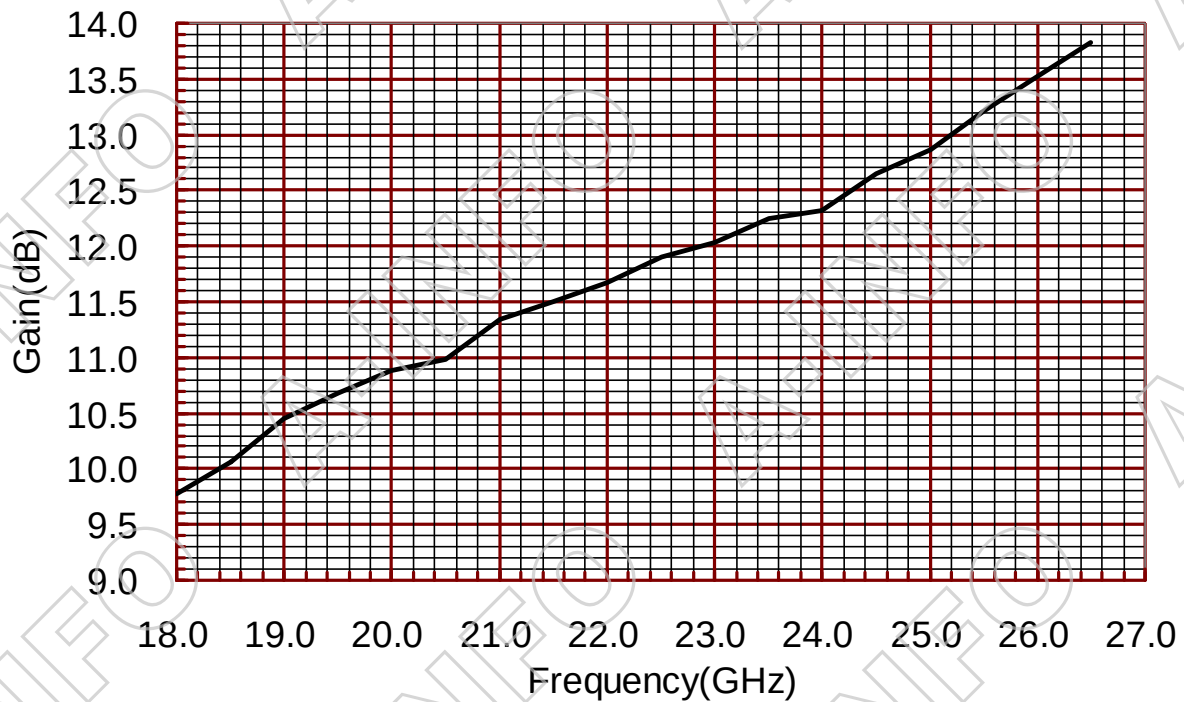
Flange Drawing (Size: mm)



FBP220

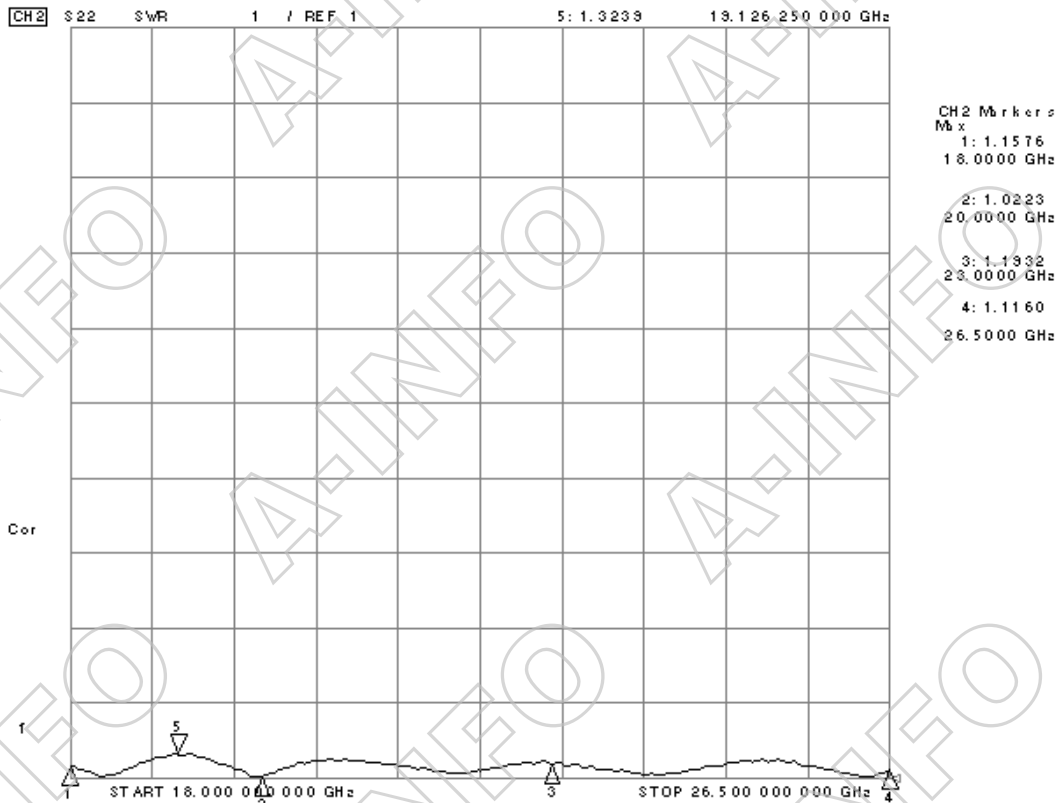
Test Results

1. Gain and Antenna Factor

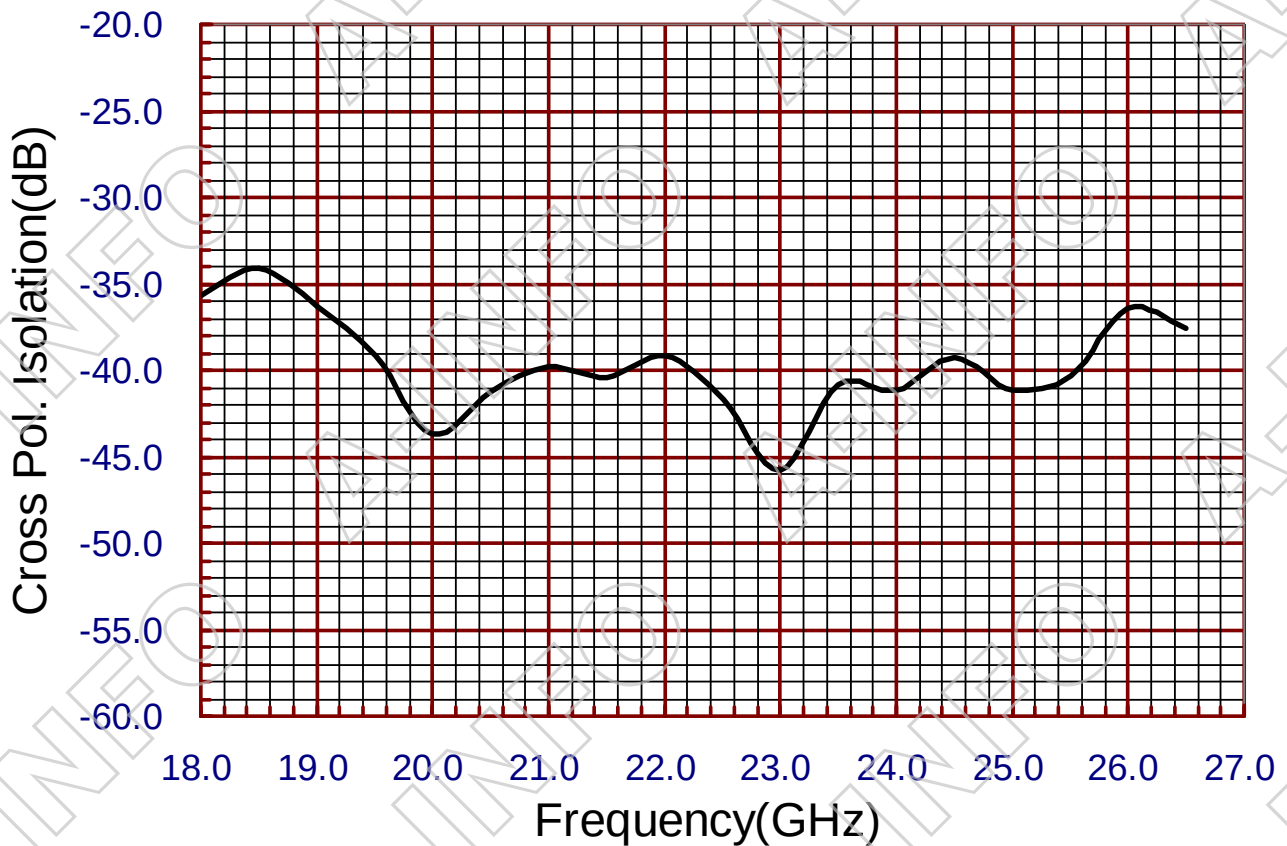


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
18.00	9.77	45.55
18.50	10.06	45.50
19.00	10.45	45.33
19.50	10.69	45.32
20.00	10.88	45.35
20.50	10.99	45.46
21.00	11.35	45.31
21.50	11.50	45.36
22.00	11.68	45.38
22.50	11.90	45.35
23.00	12.04	45.41
23.50	12.25	45.39
24.00	12.32	45.50
24.50	12.65	45.35
25.00	12.87	45.30
25.50	13.21	45.13
26.00	13.53	44.98
26.50	13.83	44.85

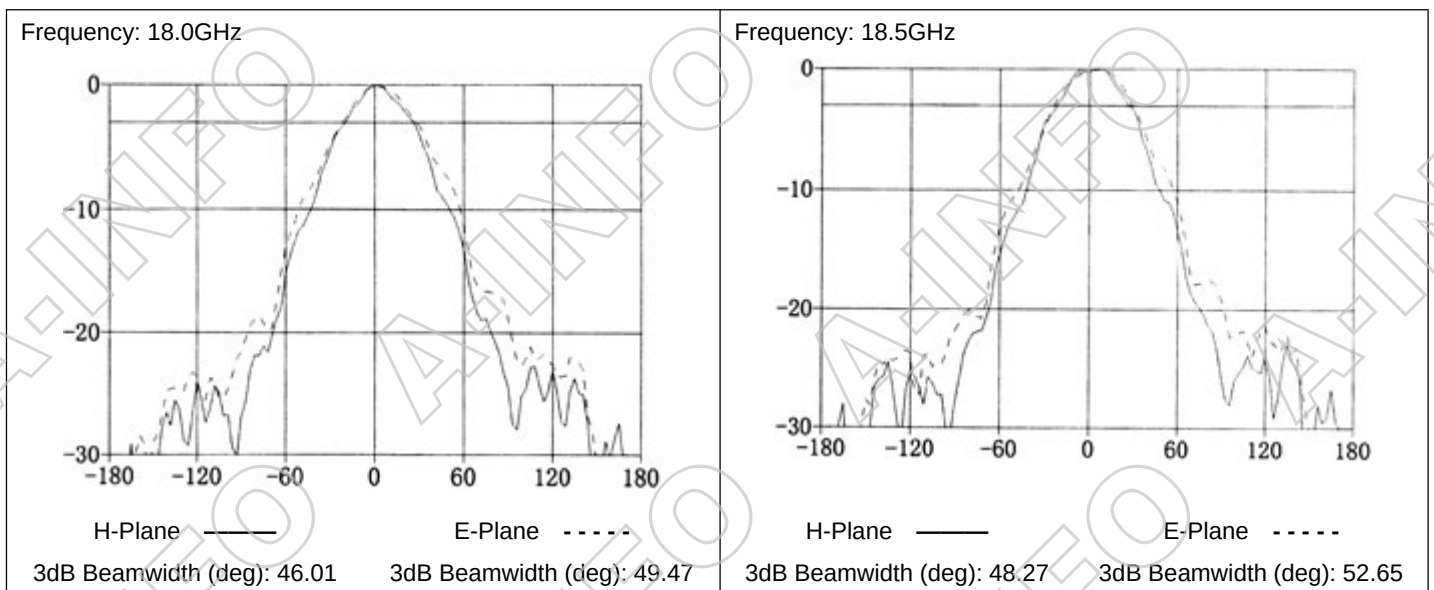
2. VSWR



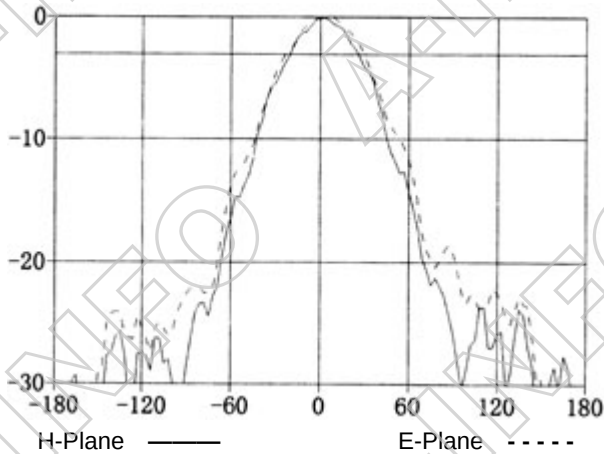
3. Cross Polarization Isolation



4. Pattern

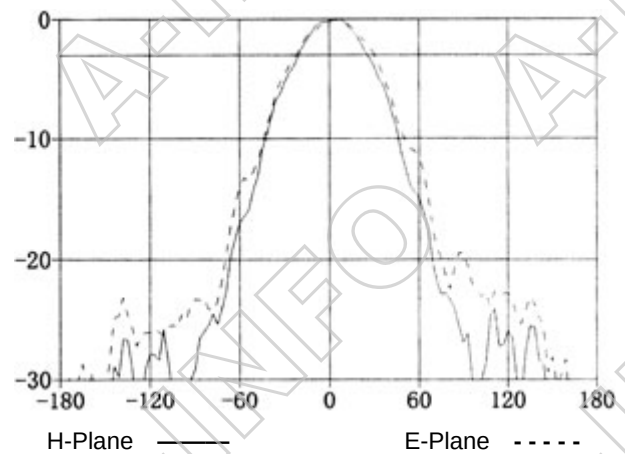


Frequency: 19.0GHz



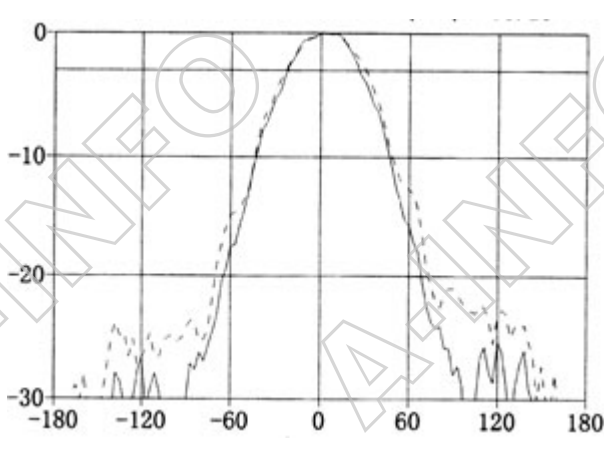
3dB Beamwidth (deg): 45.85 3dB Beamwidth (deg): 52.86

Frequency: 19.5GHz



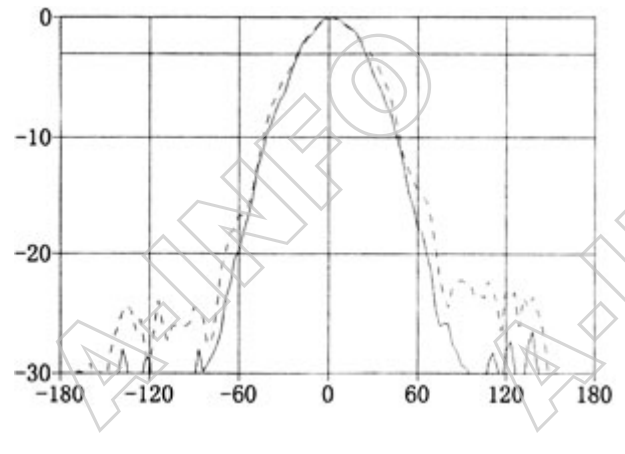
3dB Beamwidth (deg): 45.95 3dB Beamwidth (deg): 52.14

Frequency: 20.0GHz



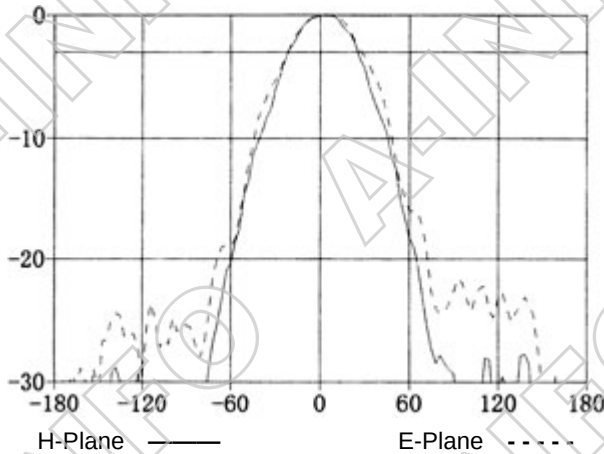
3dB Beamwidth (deg): 48.21 3dB Beamwidth (deg): 53.56

Frequency: 20.5GHz



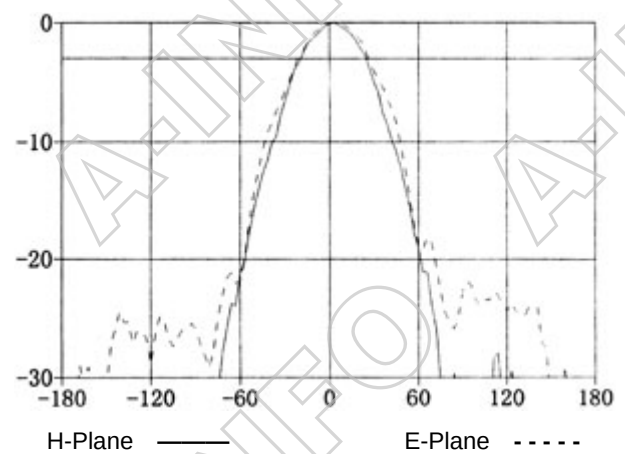
3dB Beamwidth (deg): 45.27 3dB Beamwidth (deg): 49.21

Frequency: 21.0GHz



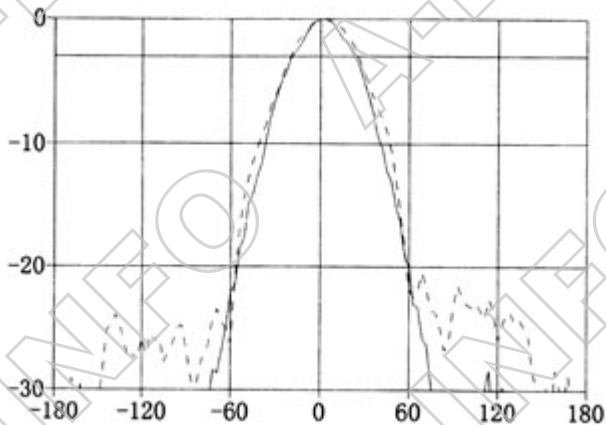
3dB Beamwidth (deg): 46.81 3dB Beamwidth (deg): 49.43

Frequency: 21.5GHz



3dB Beamwidth (deg): 44.08 3dB Beamwidth (deg): 47.78

Frequency: 22.0GHz



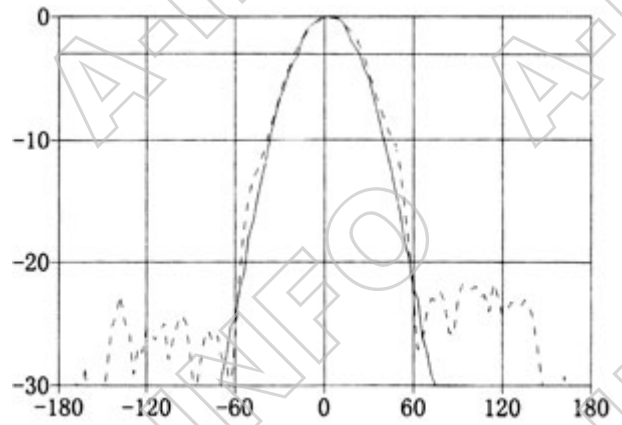
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 42.17

3dB Beamwidth (deg): 45.55

Frequency: 22.5GHz



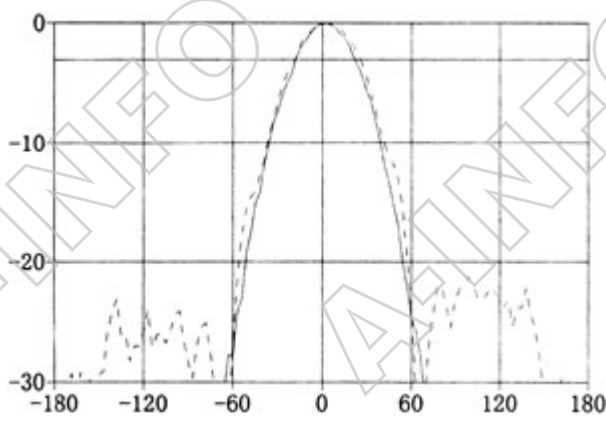
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 41.11

3dB Beamwidth (deg): 45.86

Frequency: 23.0GHz



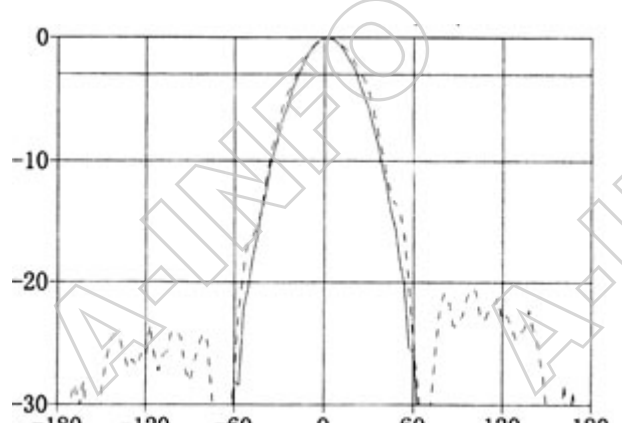
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 39.72

3dB Beamwidth (deg): 43.90

Frequency: 23.5GHz



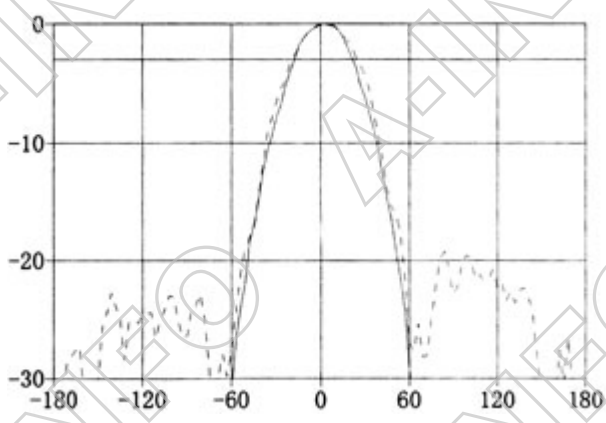
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 38.77

3dB Beamwidth (deg): 43.42

Frequency: 24.0GHz



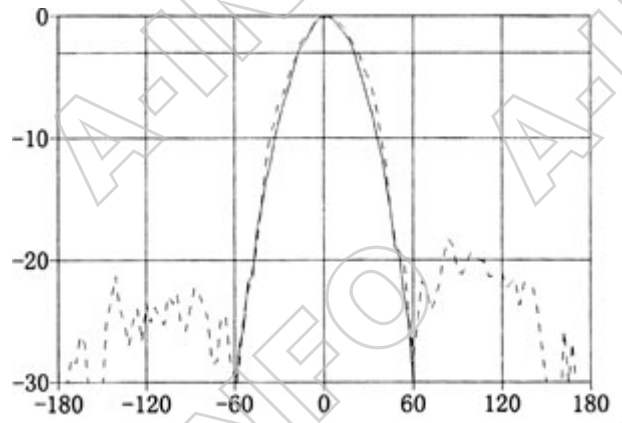
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 39.16

3dB Beamwidth (deg): 43.70

Frequency: 24.5GHz



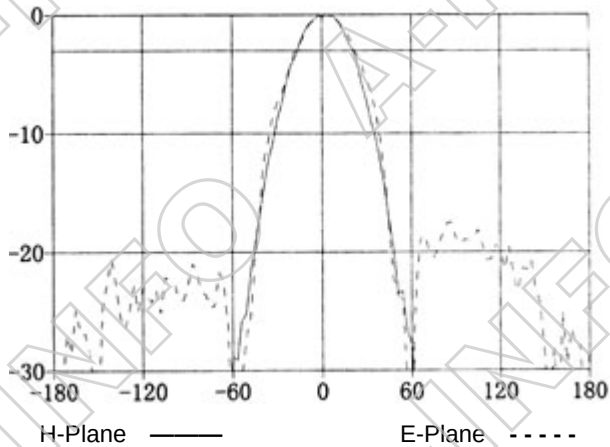
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 37.75

3dB Beamwidth (deg): 40.48

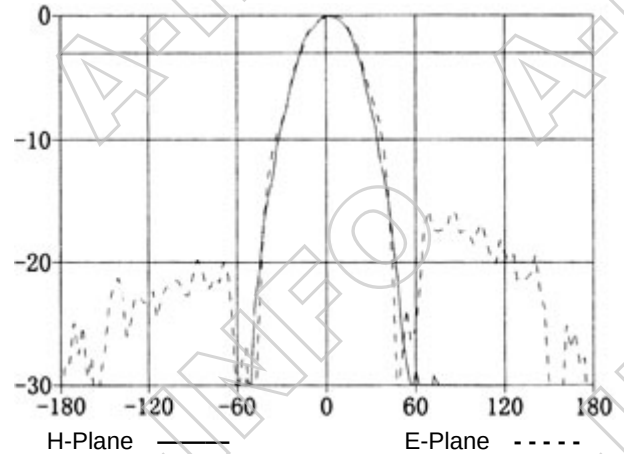
Frequency: 25.0GHz



3dB Beamwidth (deg): 37.50

3dB Beamwidth (deg): 40.29

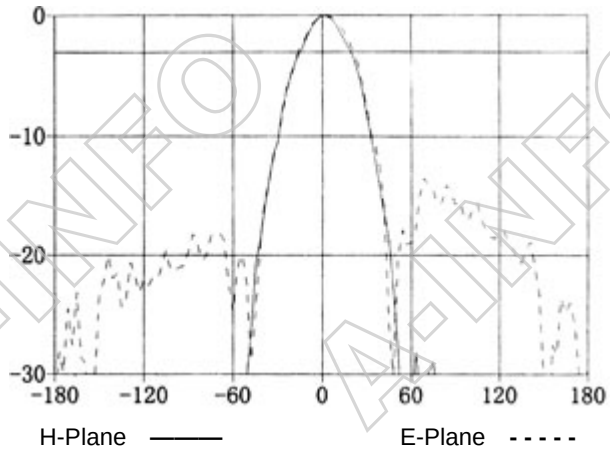
Frequency: 25.5GHz



3dB Beamwidth (deg): 38.18

3dB Beamwidth (deg): 38.85

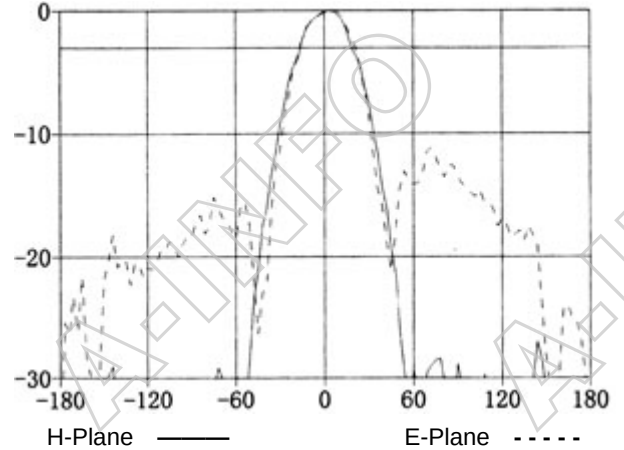
Frequency: 26.0GHz



3dB Beamwidth (deg): 34.19

3dB Beamwidth (deg): 37.09

Frequency: 26.5GHz



3dB Beamwidth (deg): 34.81

3dB Beamwidth (deg): 37.65