

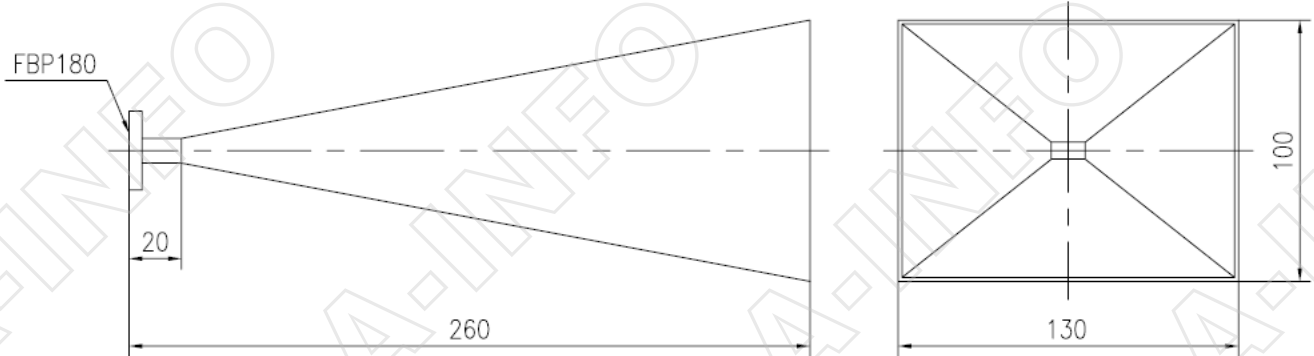
Technical Specification



Frequency Range(GHz)	15.0 - 22.0
Gain(dB)	25 Typ.
3dB Beamwidth(deg)	10 Typ.
Waveguide	WR51
Material	Cu
Output	A Type: FBP180 C Type: SMA-F
Size(mm) W x H x L	A Type: 130x100x260 C Type: 130x100x287
Net Weight(Kg)	A Type: 0.7 Around C Type: 0.9 Around

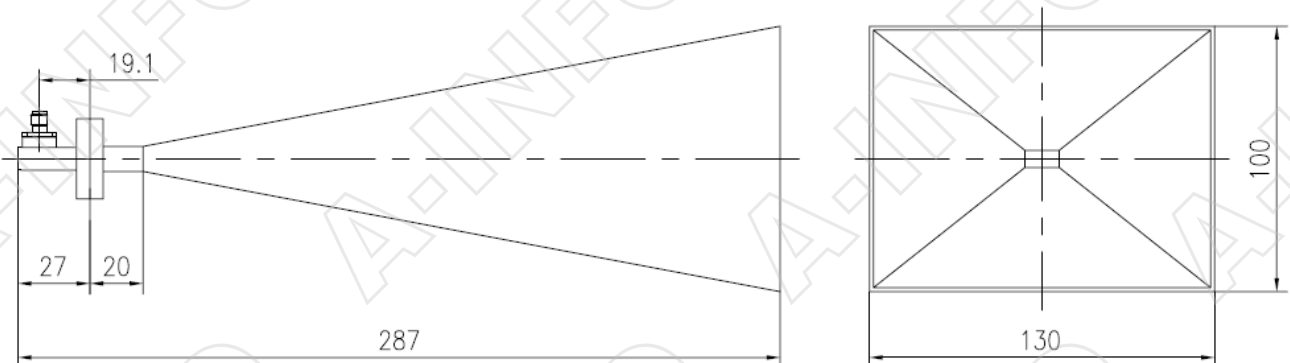
Outline Drawing (Size: mm)

A Type



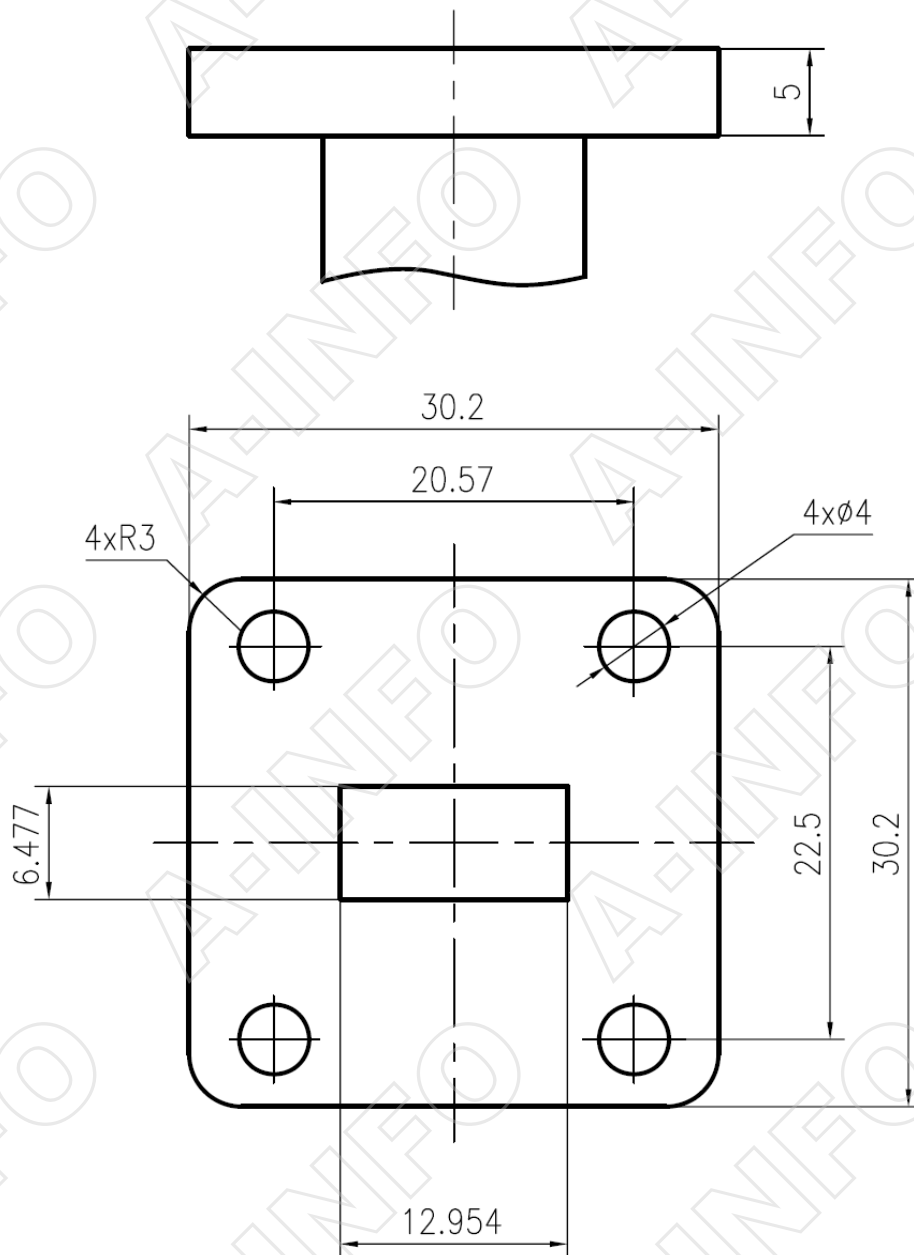
W x H x L: 130x100x260

C Type



W x H x L: 130x100x287

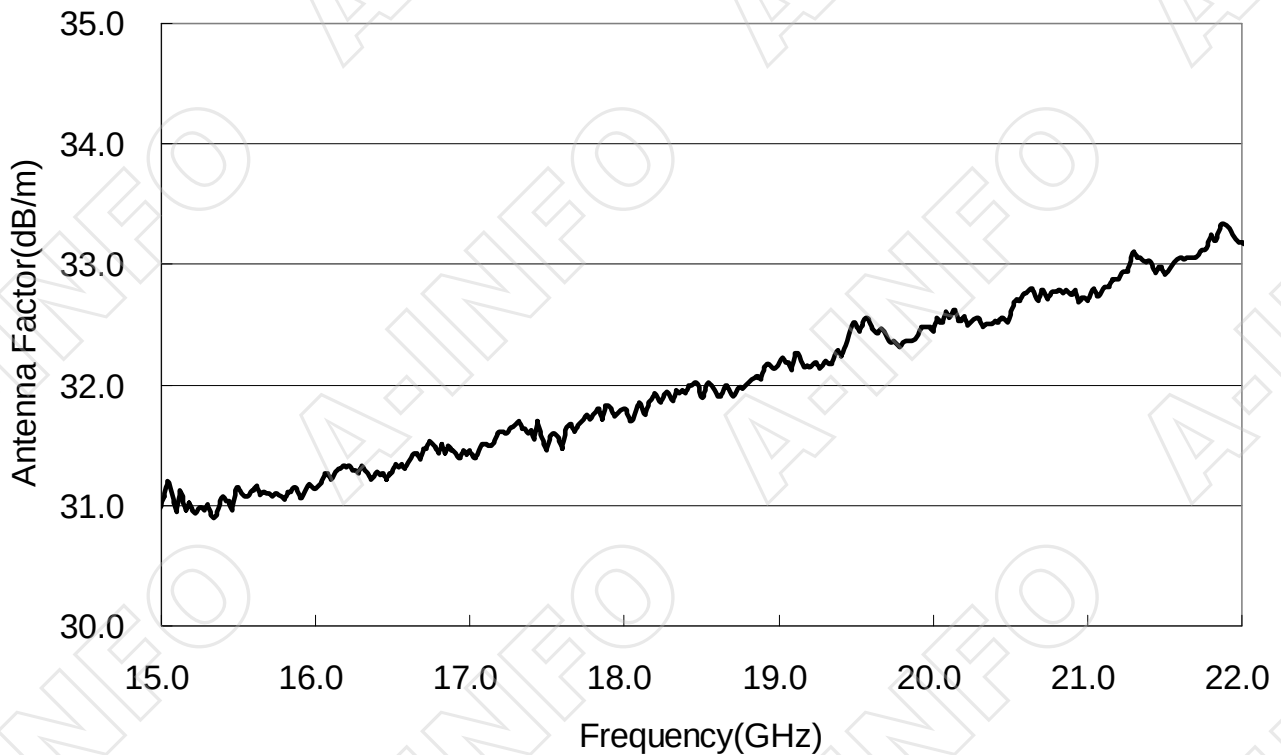
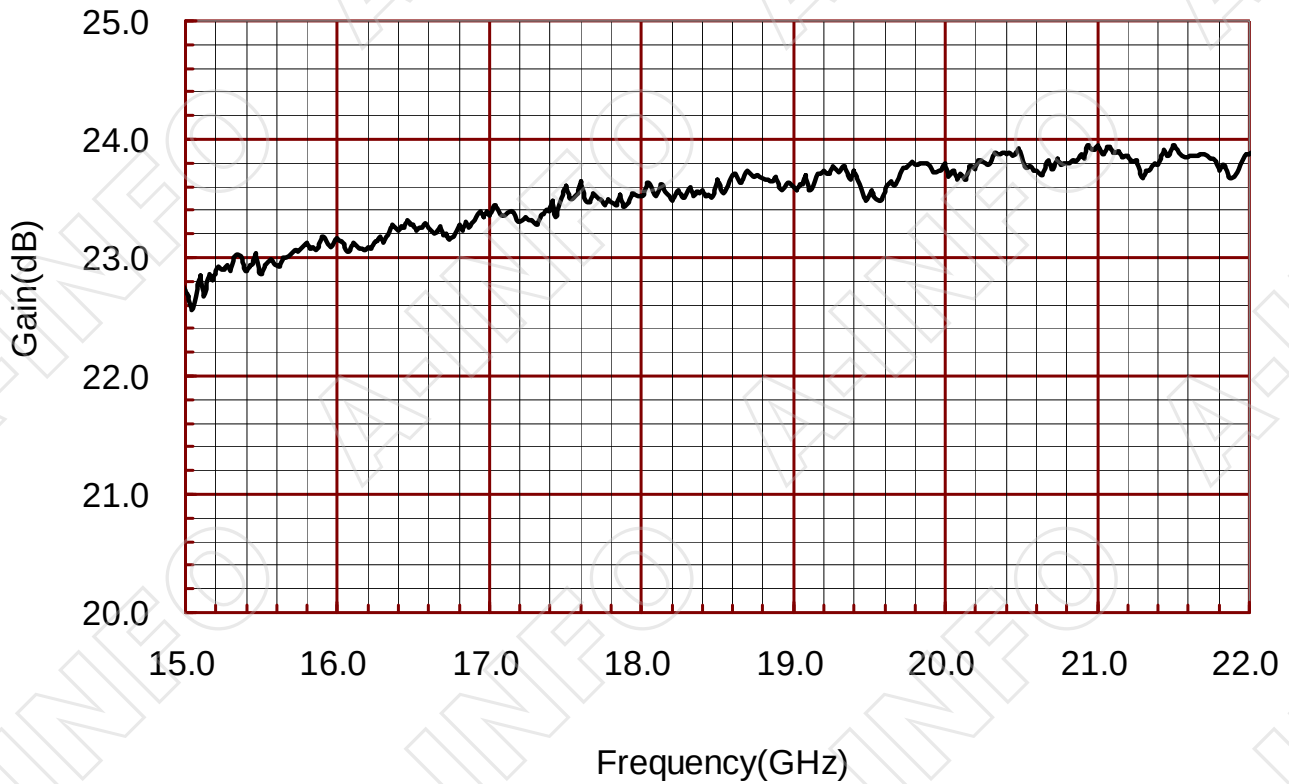
Flange Drawing (Size: mm)



FBP180

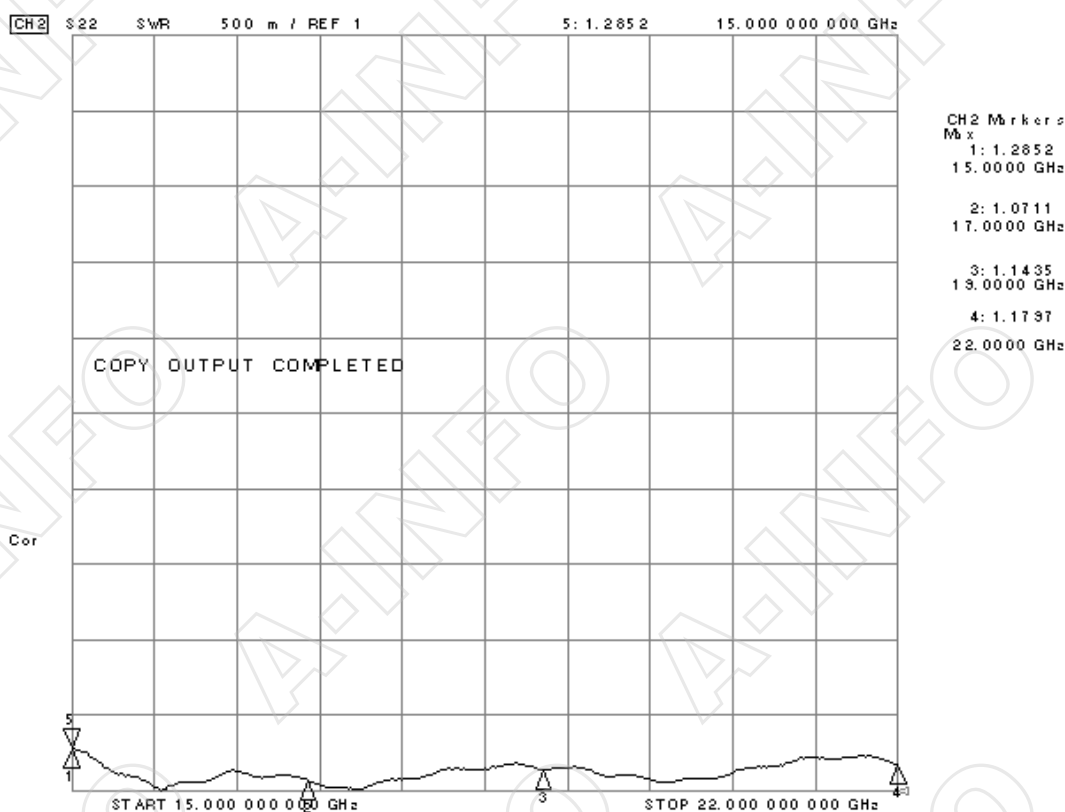
Test Results

1. Gain and Antenna Factor

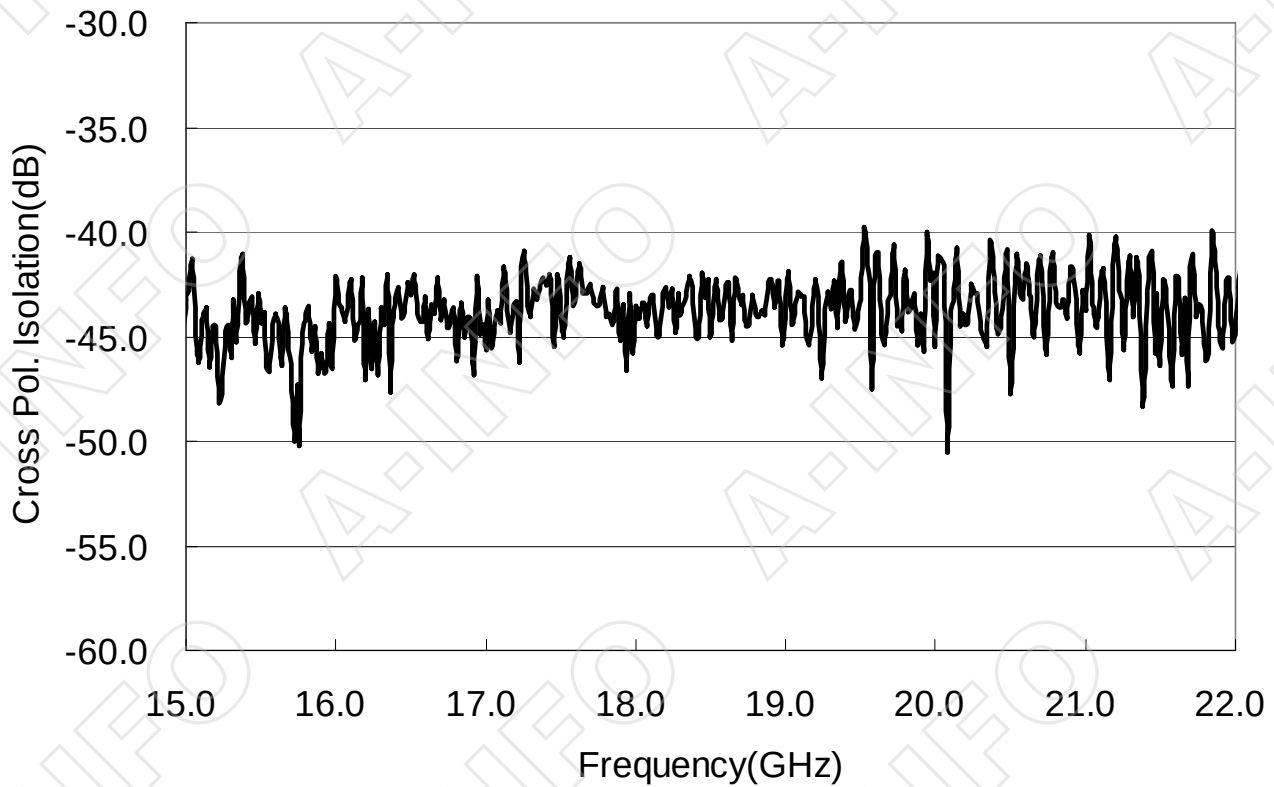


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
15.0	22.70	31.30
15.5	22.87	31.15
16.0	23.16	31.13
16.5	23.28	31.28
17.0	23.36	31.46
17.5	23.61	31.46
18.0	23.51	31.80
18.5	23.66	31.89
19.0	23.60	32.19
19.5	23.52	32.49
20.0	23.79	32.44
20.5	23.86	32.58
21.0	23.95	32.70
21.5	23.95	32.91
22.0	23.87	33.19

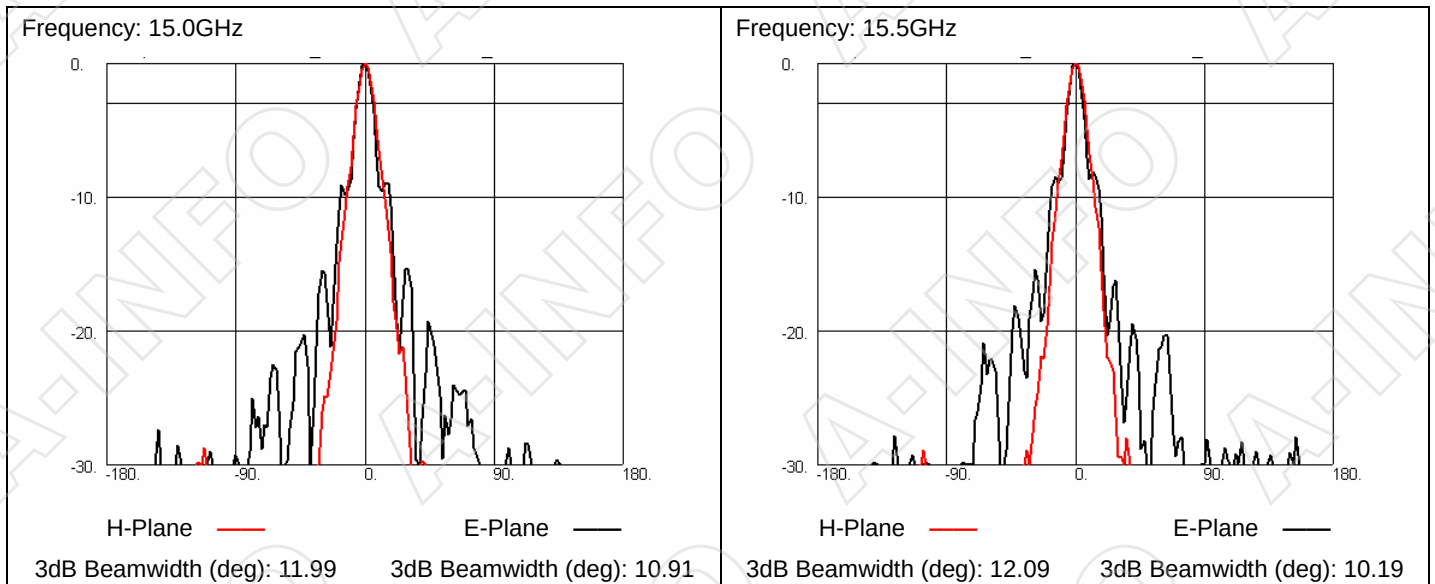
2. VSWR



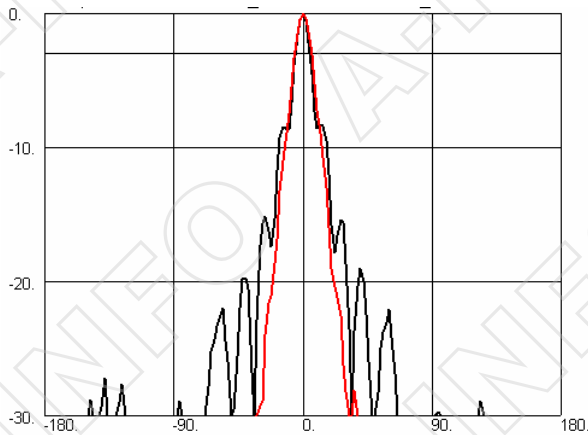
3. Cross Polarization Isolation



4. Pattern



Frequency: 16.0GHz



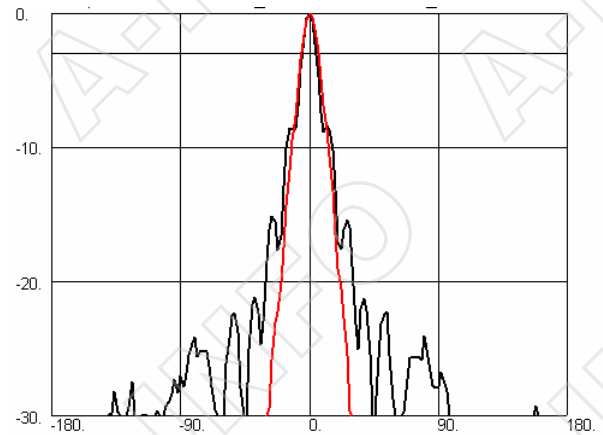
H-Plane

E-Plane

3dB Beamwidth (deg): 11.52

3dB Beamwidth (deg): 9.92

Frequency: 16.5GHz



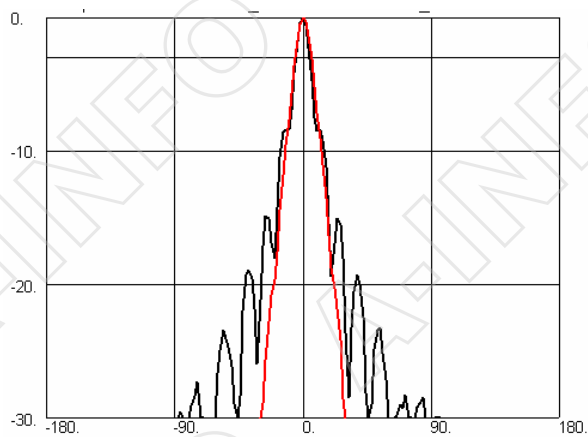
H-Plane

E-Plane

3dB Beamwidth (deg): 11.58

3dB Beamwidth (deg): 9.64

Frequency: 17.0GHz



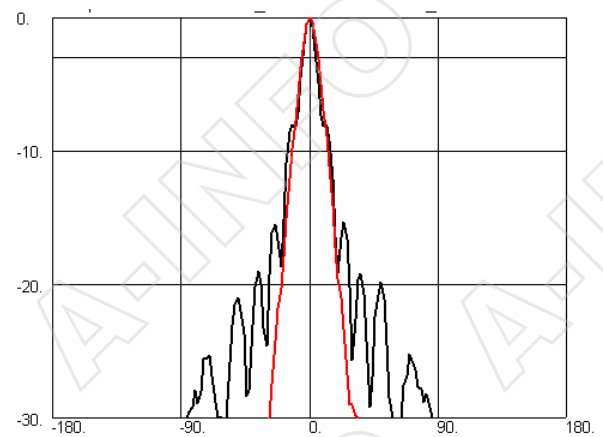
H-Plane

E-Plane

3dB Beamwidth (deg): 11.24

3dB Beamwidth (deg): 9.62

Frequency: 17.5GHz



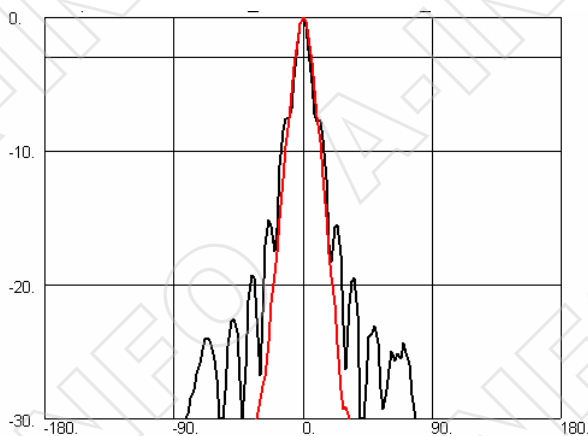
H-Plane

E-Plane

3dB Beamwidth (deg): 11.19

3dB Beamwidth (deg): 9.29

Frequency: 18.0GHz



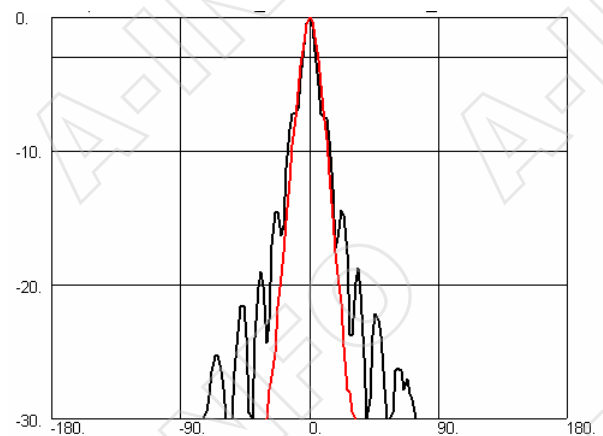
H-Plane

E-Plane

3dB Beamwidth (deg): 10.88

3dB Beamwidth (deg): 8.26

Frequency: 18.5GHz



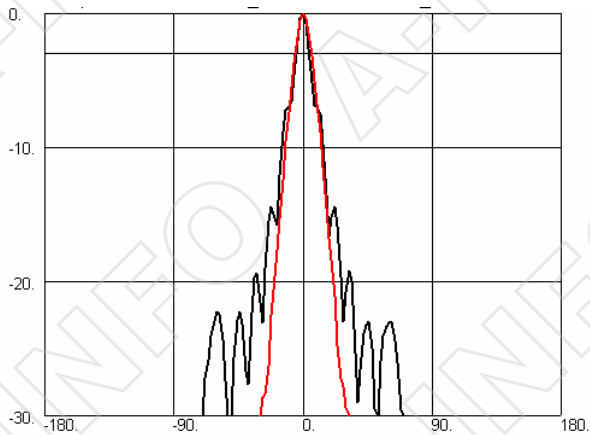
H-Plane

E-Plane

3dB Beamwidth (deg): 11.08

3dB Beamwidth (deg): 9.10

Frequency: 19.0GHz



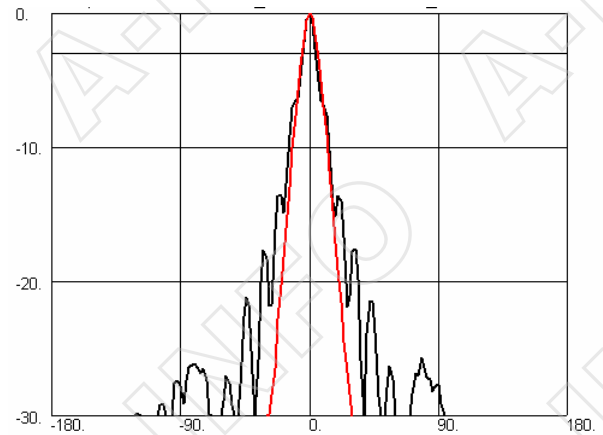
H-Plane

E-Plane

3dB Beamwidth (deg): 11.04

3dB Beamwidth (deg): 9.02

Frequency: 19.5GHz



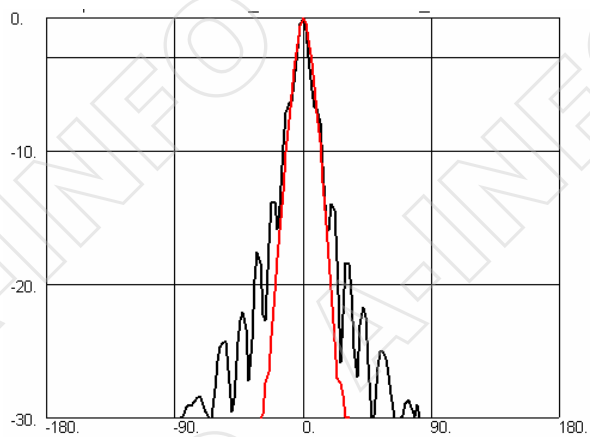
H-Plane

E-Plane

3dB Beamwidth (deg): 10.70

3dB Beamwidth (deg): 8.93

Frequency: 20.0GHz



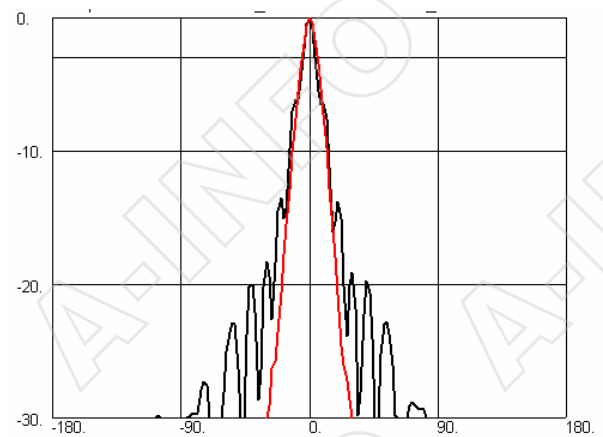
H-Plane

E-Plane

3dB Beamwidth (deg): 10.64

3dB Beamwidth (deg): 8.53

Frequency: 20.5GHz



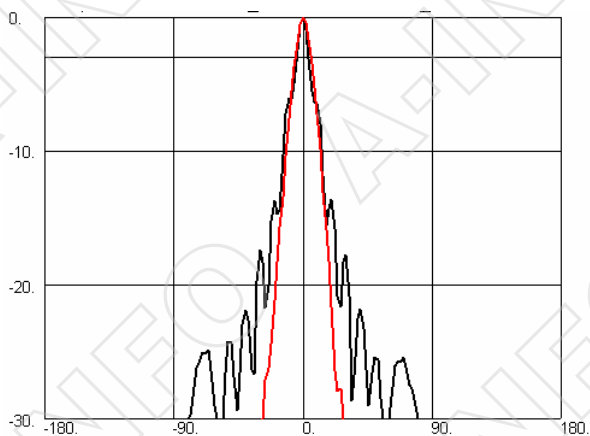
H-Plane

E-Plane

3dB Beamwidth (deg): 10.60

3dB Beamwidth (deg): 8.50

Frequency: 21.0GHz



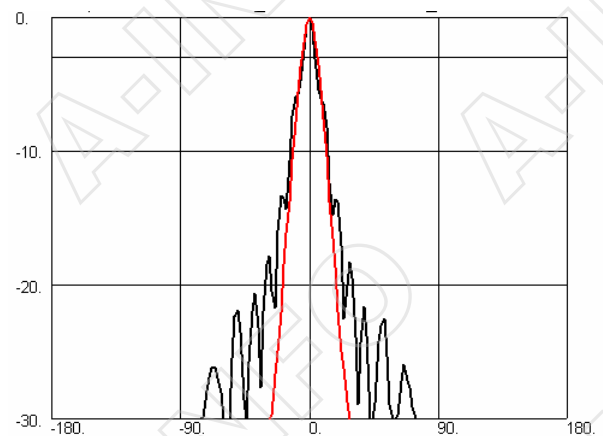
H-Plane

E-Plane

3dB Beamwidth (deg): 10.73

3dB Beamwidth (deg): 8.34

Frequency: 21.5GHz



H-Plane

E-Plane

3dB Beamwidth (deg): 10.67

3dB Beamwidth (deg): 8.41

