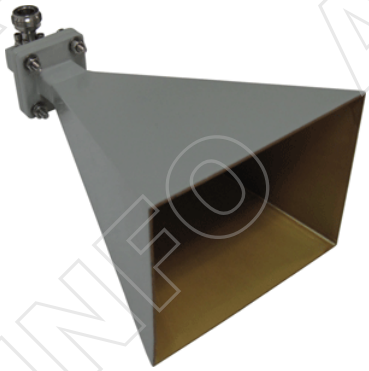
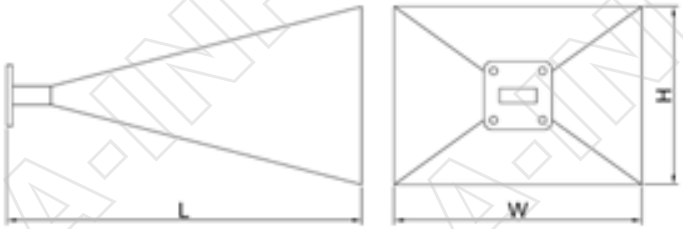
Technical Specification



Frequency Range(GHz)	10.0 - 15.0
Gain(dB)	20 Typ.
3dB Beamwidth(deg)	18 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: 103x83x155 C Type: 103x83x185
Net Weight(Kg)	A Type: 0.20 Around C Type: 0.25 Around

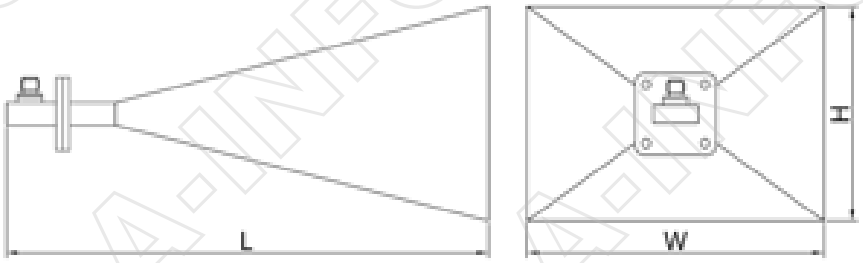
Outline Drawing (Size: mm)

A Type



W x H x L: 103x83x155

C Type



W x H x L: 103x83x185

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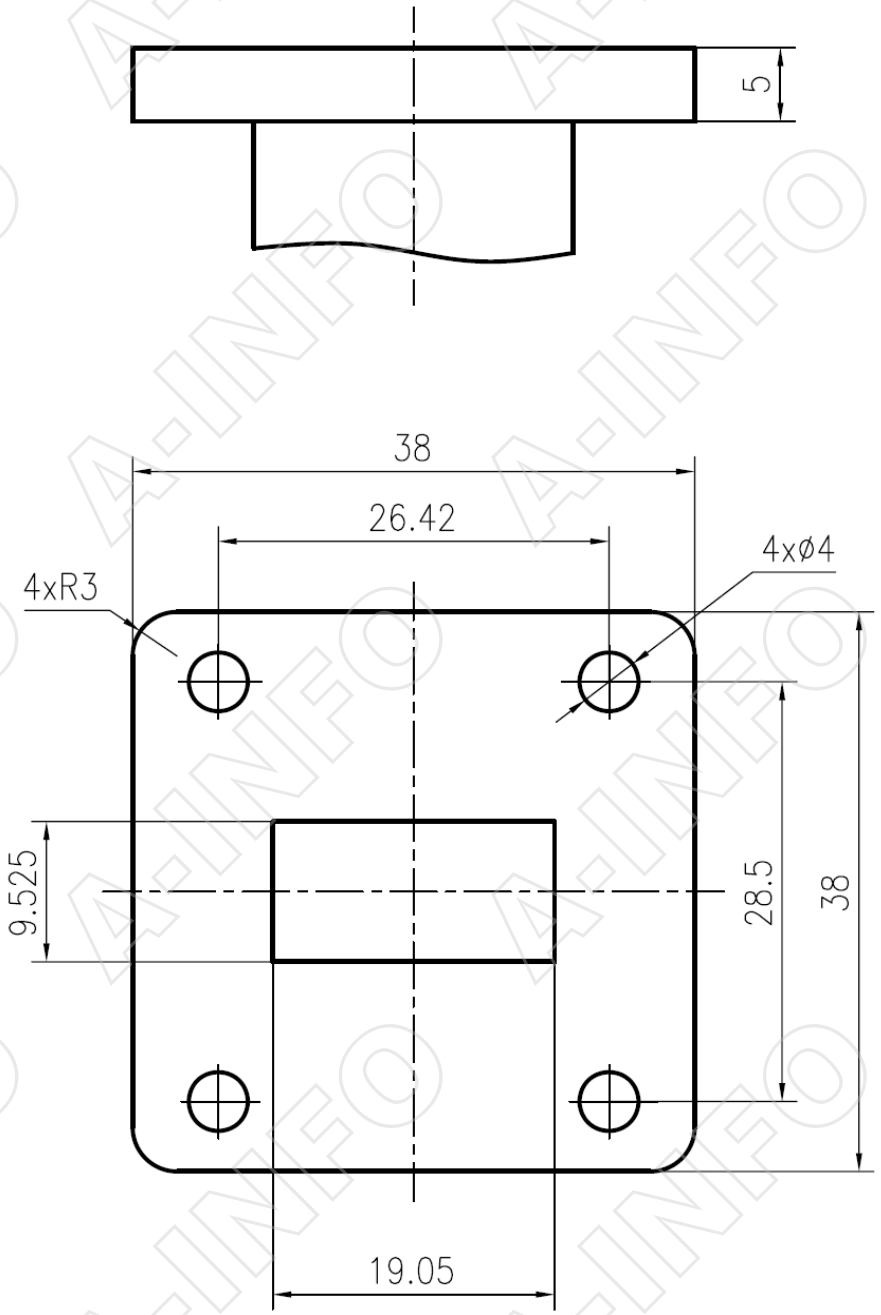
Flange Drawing (Size: mm)



FBP120

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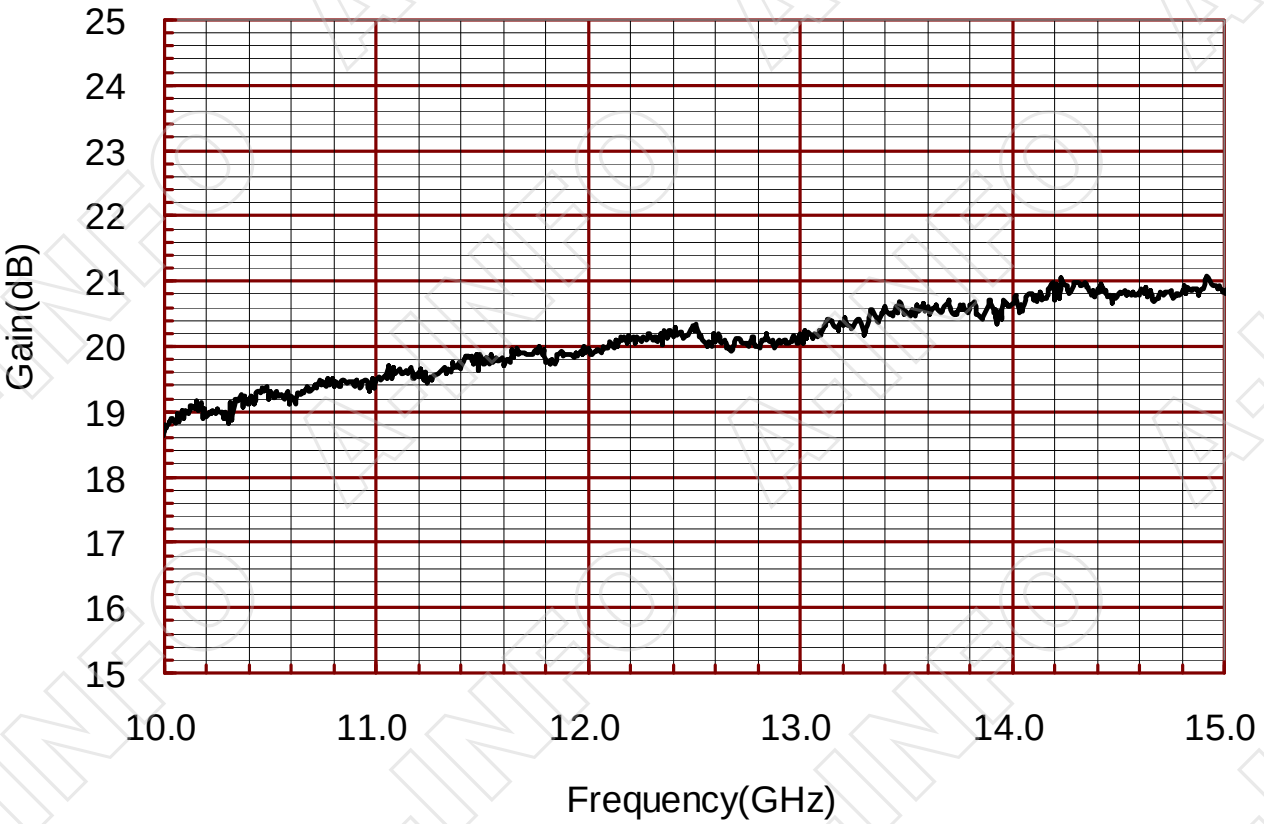
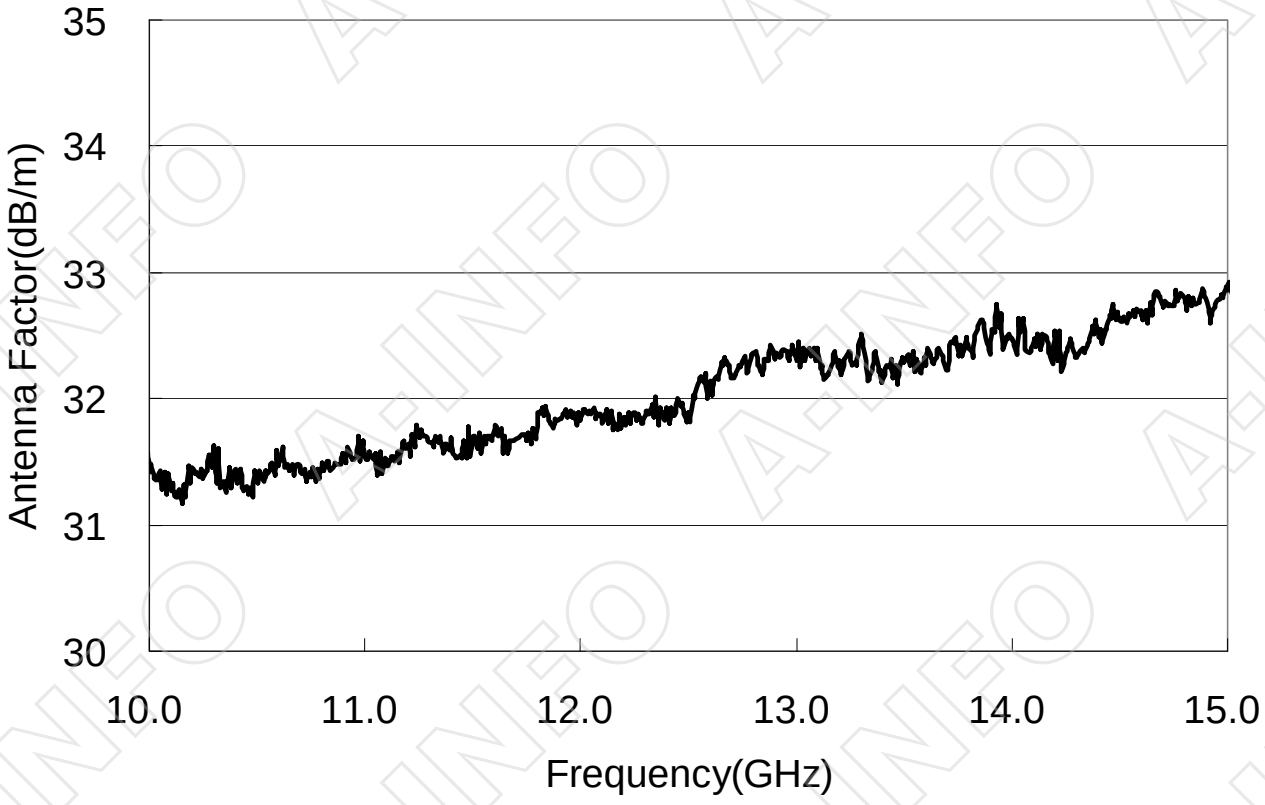
Test Results

1. Gain and Antenna Factor

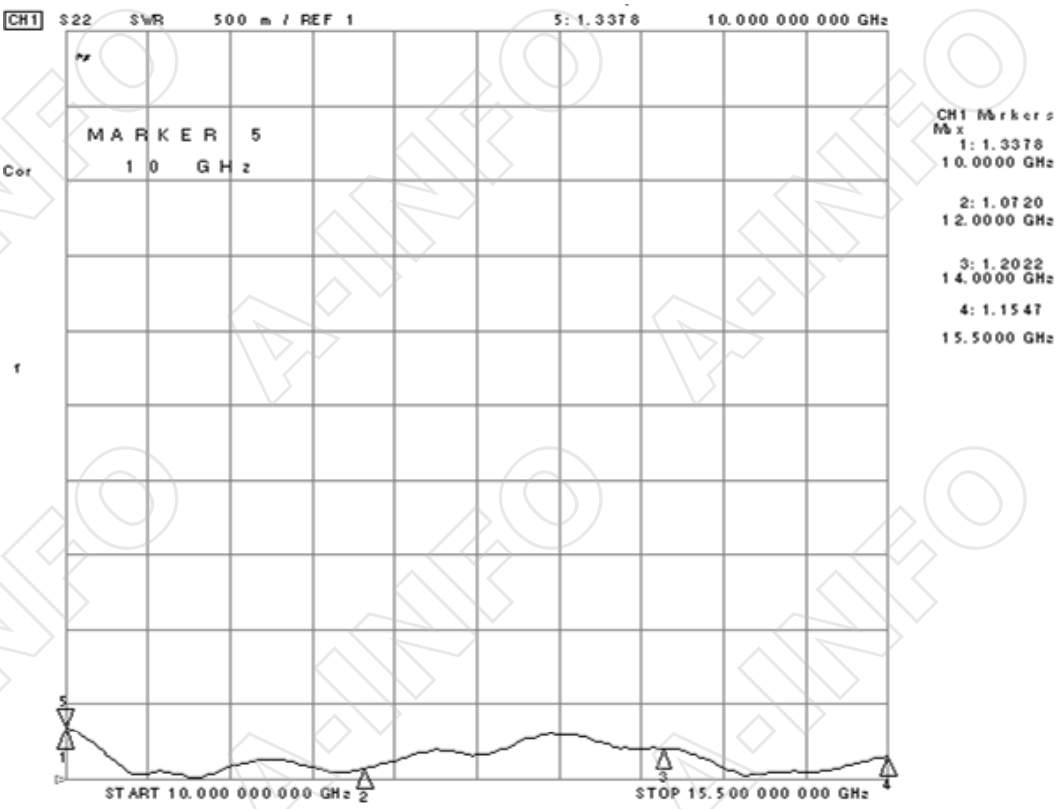




Data subject to change without notice. For current data sheets, please contact: Sales@ainfoinc.com

Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
10.00	18.79	31.42
10.50	19.31	31.33
11.00	19.50	31.54
11.50	19.73	31.69
12.00	19.97	31.83
12.50	20.25	31.89
13.00	20.19	32.30
13.50	20.53	32.28
14.00	20.66	32.47
14.50	20.81	32.63
15.00	20.87	32.86

2. VSWR



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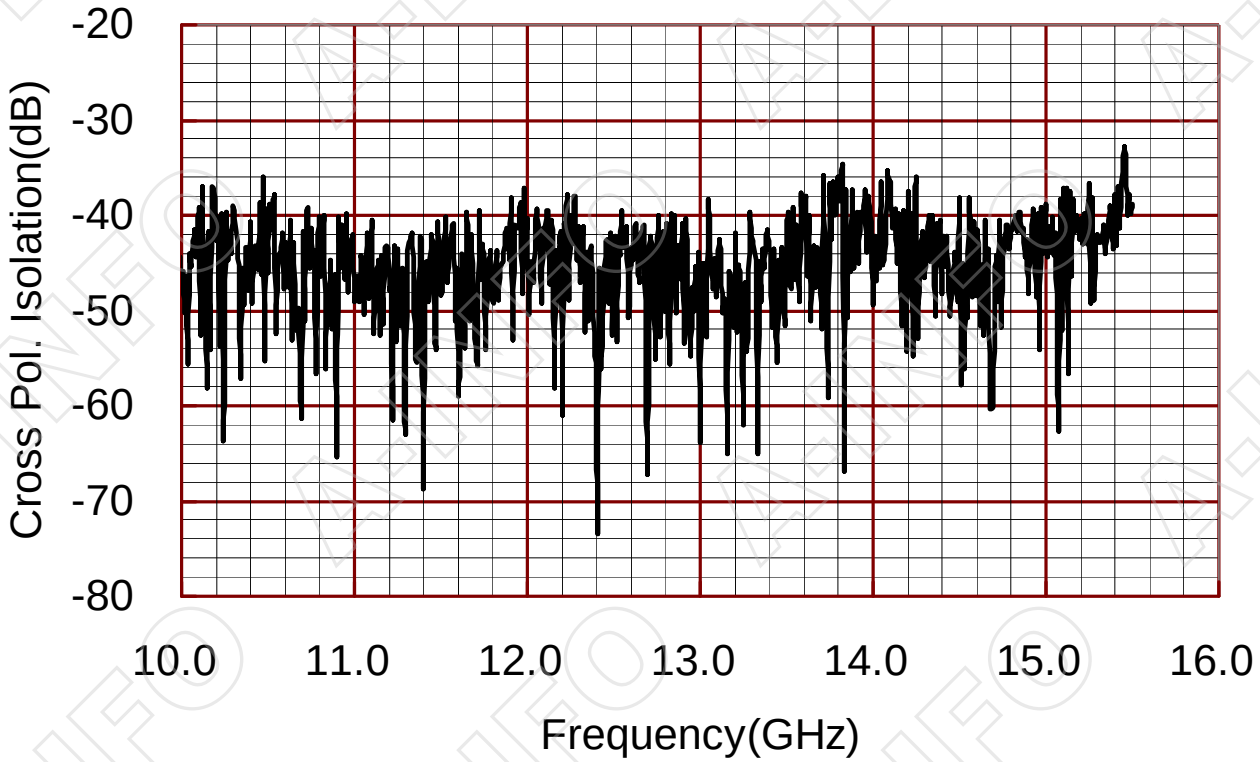
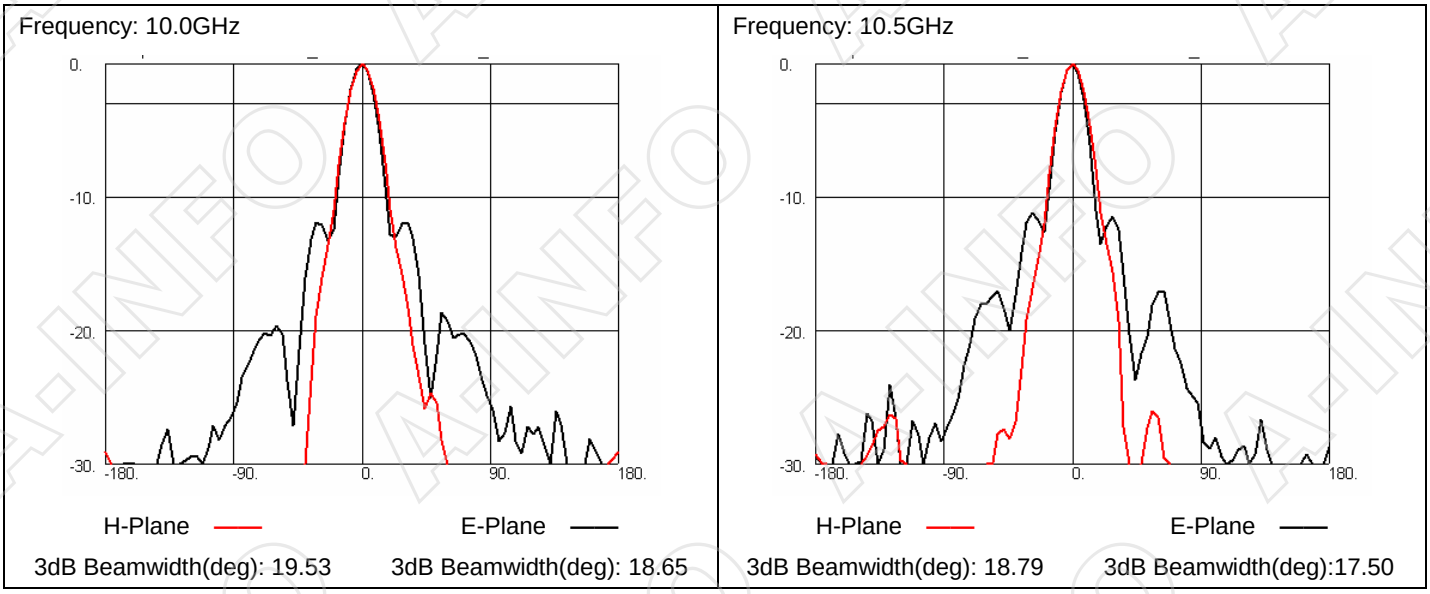
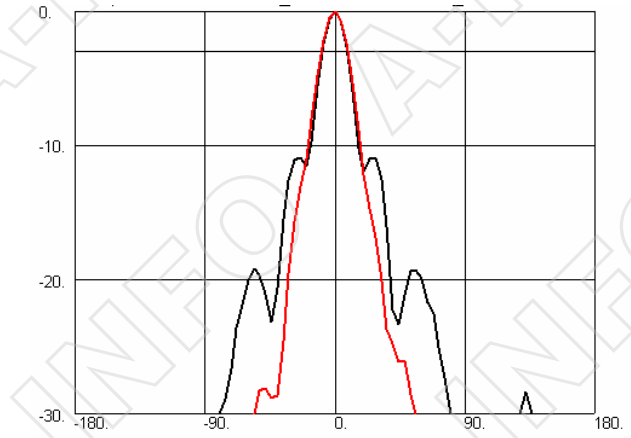
3. Cross Polarization Isolation



4. Pattern



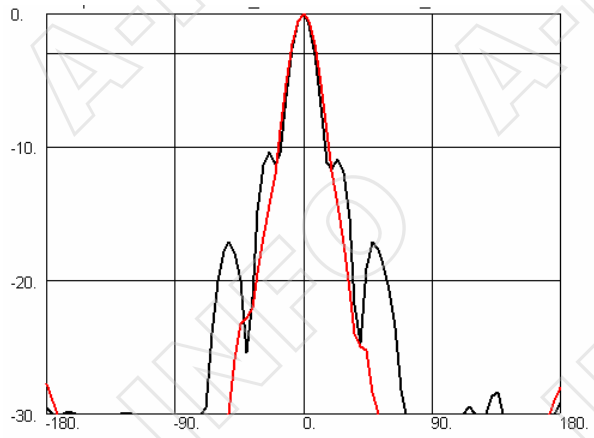
Frequency: 11.0GHz



H-Plane —— E-Plane ——

3dB Beamwidth(deg): 17.13 3dB Beamwidth(deg):18.09

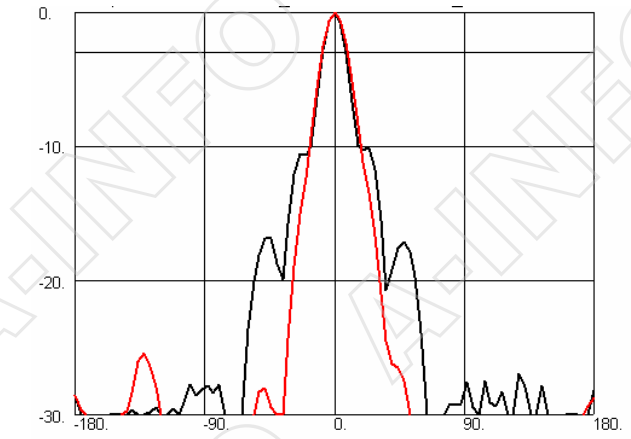
Frequency: 11.5GHz



H-Plane —— E-Plane ——

3dB Beamwidth(deg): 17.97 3dB Beamwidth(deg):16.20

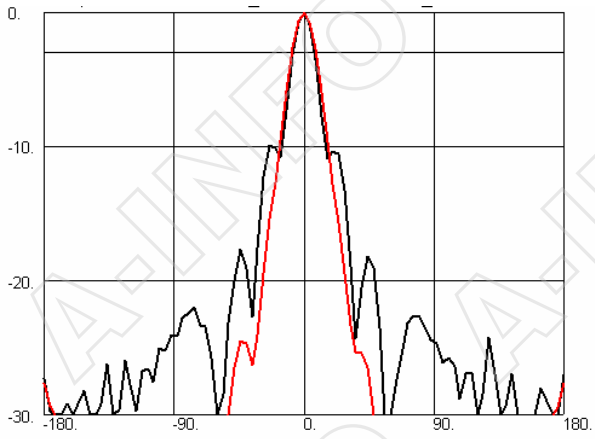
Frequency: 12.0GHz



H-Plane —— E-Plane ——

3dB Beamwidth(deg): 17.56 3dB Beamwidth(deg): 16.20

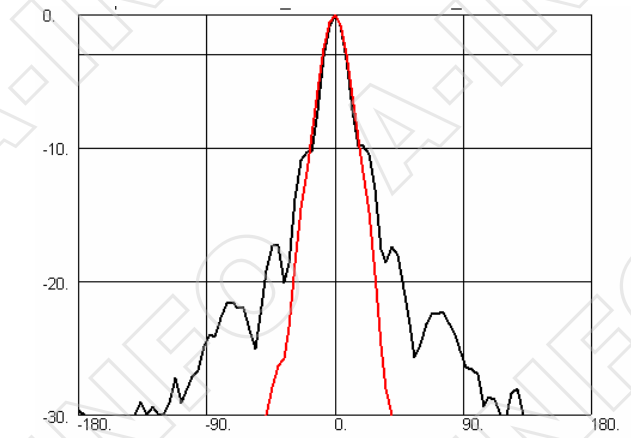
Frequency: 12.5GHz



H-Plane —— E-Plane ——

3dB Beamwidth(deg): 16.80 3dB Beamwidth(deg): 14.99

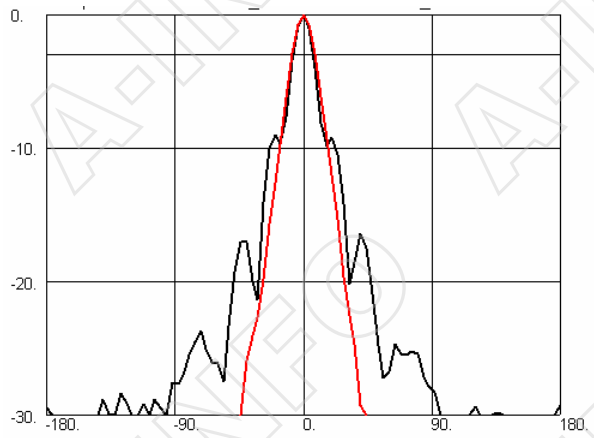
Frequency: 13.0GHz



H-Plane —— E-Plane ——

3dB Beamwidth(deg): 16.69 3dB Beamwidth(deg): 15.05

Frequency: 13.5GHz



H-Plane —— E-Plane ——

3dB Beamwidth(deg): 16.25 3dB Beamwidth(deg):14.05

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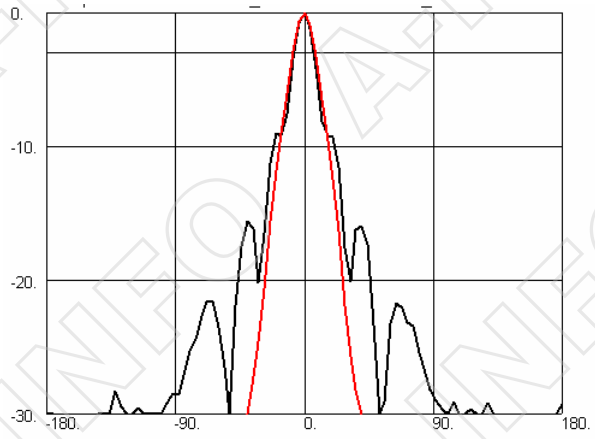
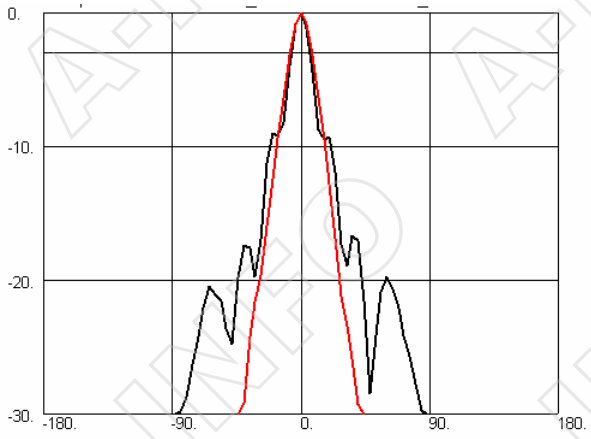
Frequency: 14.0GHz



H-Plane E-Plane

3dB Beamwidth(deg): 15.66 3dB Beamwidth(deg): 13.81

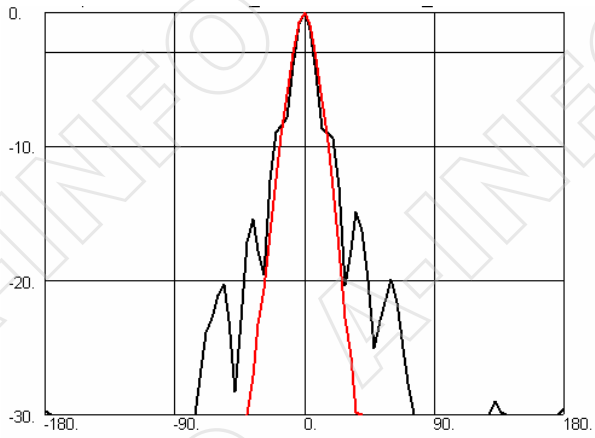
Frequency: 14.5GHz



H-Plane E-Plane

3dB Beamwidth(deg): 15.55 3dB Beamwidth(deg): 12.99

Frequency: 15.0GHz



H-Plane E-Plane

3dB Beamwidth(deg): 15.11 3dB Beamwidth(deg): 12.78

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