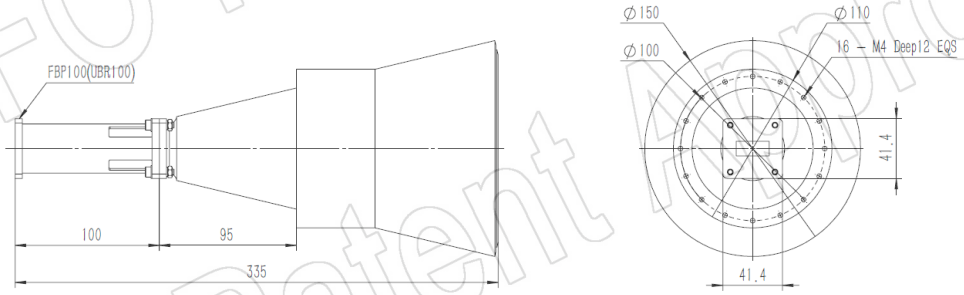
Technical Specification

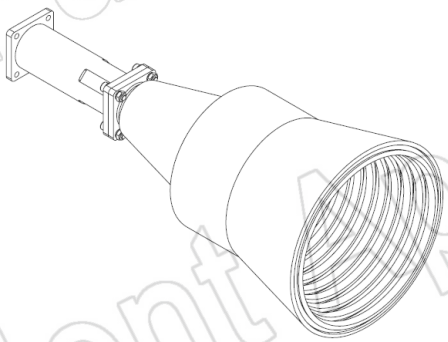
Frequency Range(GHz)	8.2 - 12.4	
Waveguide	WR90	
Gain(dBi)	20 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	16 Typ.
	H Plane:	17 Typ.
Cross Pol. Isolation(dB)	40 Typ. / 30 Min.	
VSWR	A Type:	1.30:1 Typ.
	C Type:	1.50:1 Typ.
Output	A Type:	FBP100(UBR100)
	C Type:	SMA-Female or N-Female or TNC-Female or 7mm or 3.5mm-Female
Material	Al	
Size(mm)	A Type:	150 x 150 x 335
	C Type:	150 x 150 x 373
Net Weight(Kg)	A Type:	1.60 Around
	C Type:	1.70 Around

PATENT ID (China) **ZL201630458537.2**

Outline Drawing (Size: mm)

FBP100 Output (P/N: LB-CH-90-20-A)





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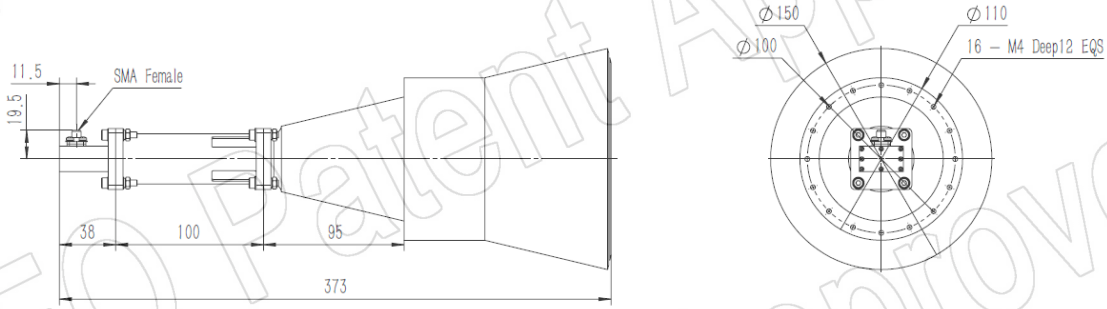
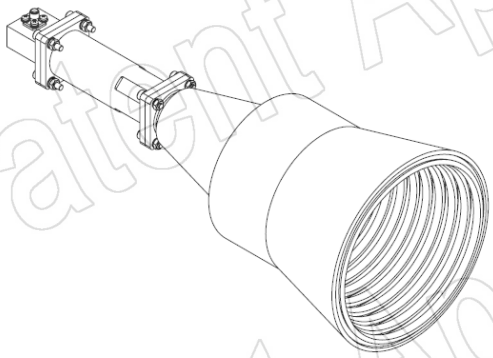
SMA-Female Output (P/N: LB-CH-90-20-C-SF)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.





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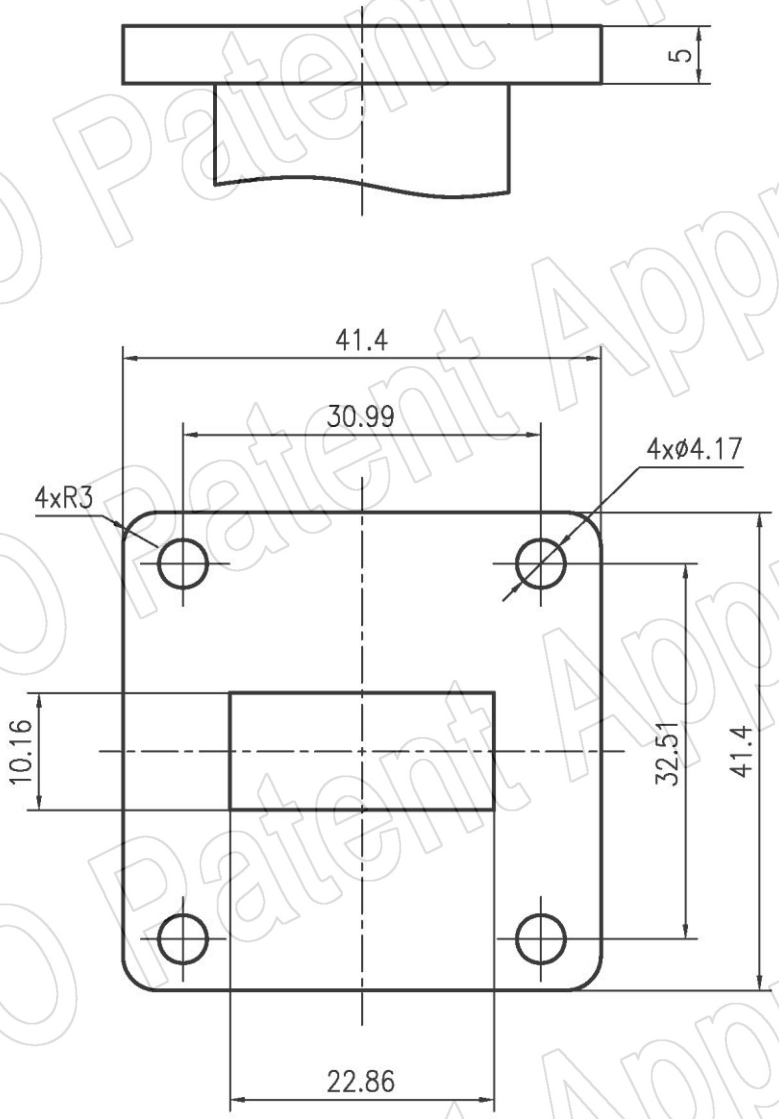
Flange Drawing (Size: mm)



FBP100

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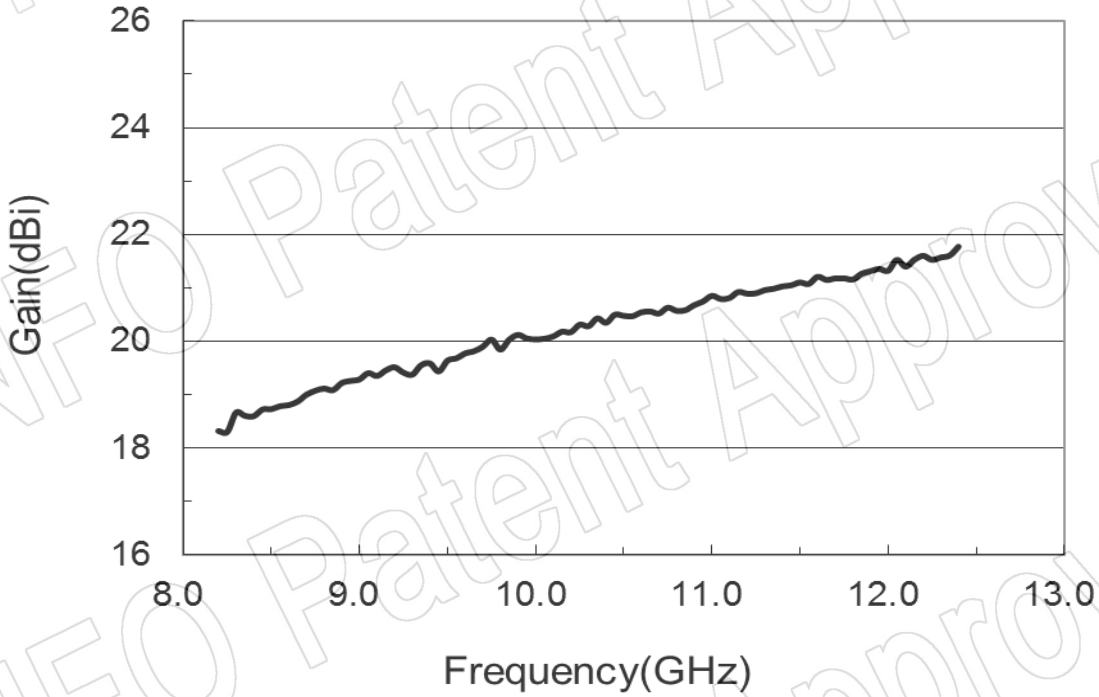
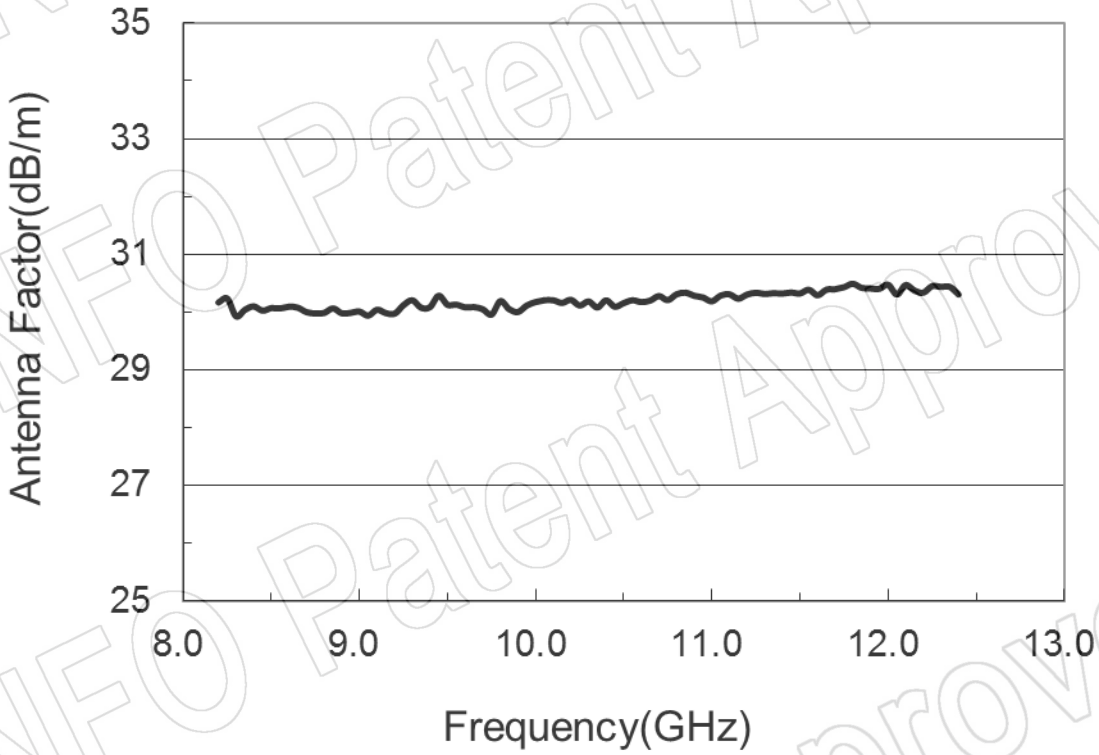
Test Results

1. Gain & Antenna Factor





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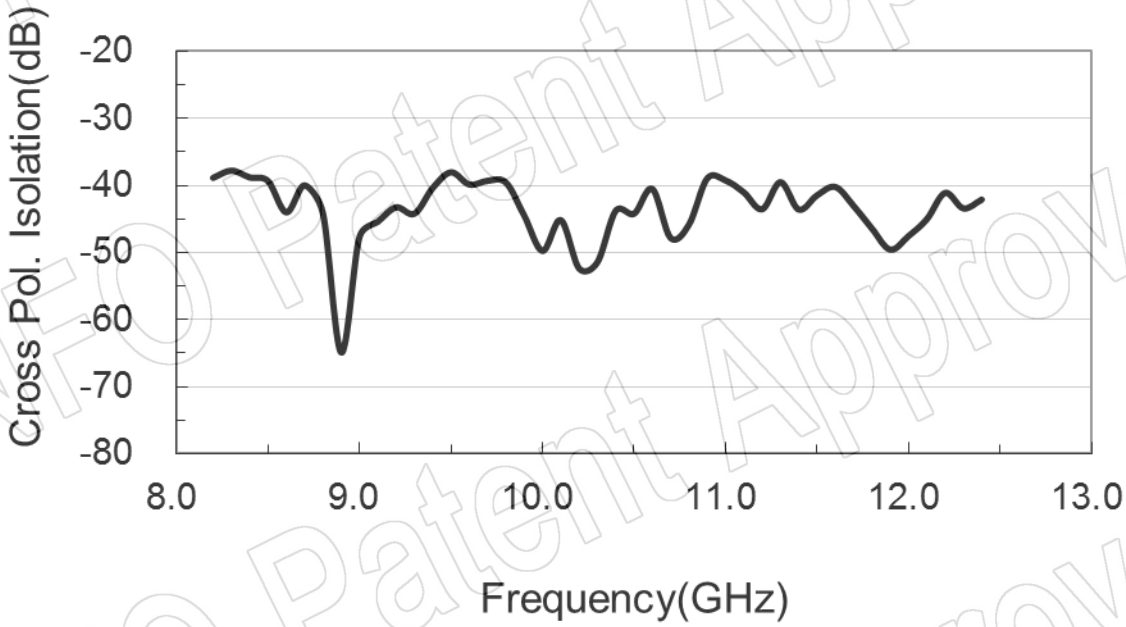
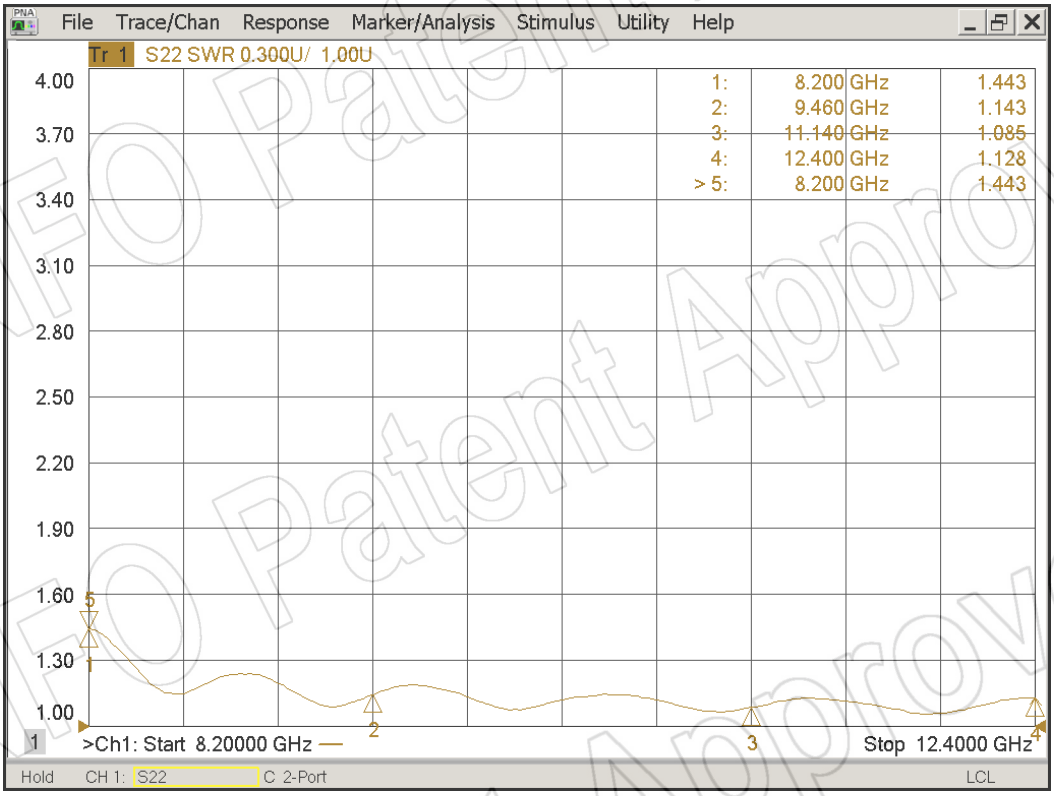
2. Cross Polarization Isolation



3. VSWR_A Type



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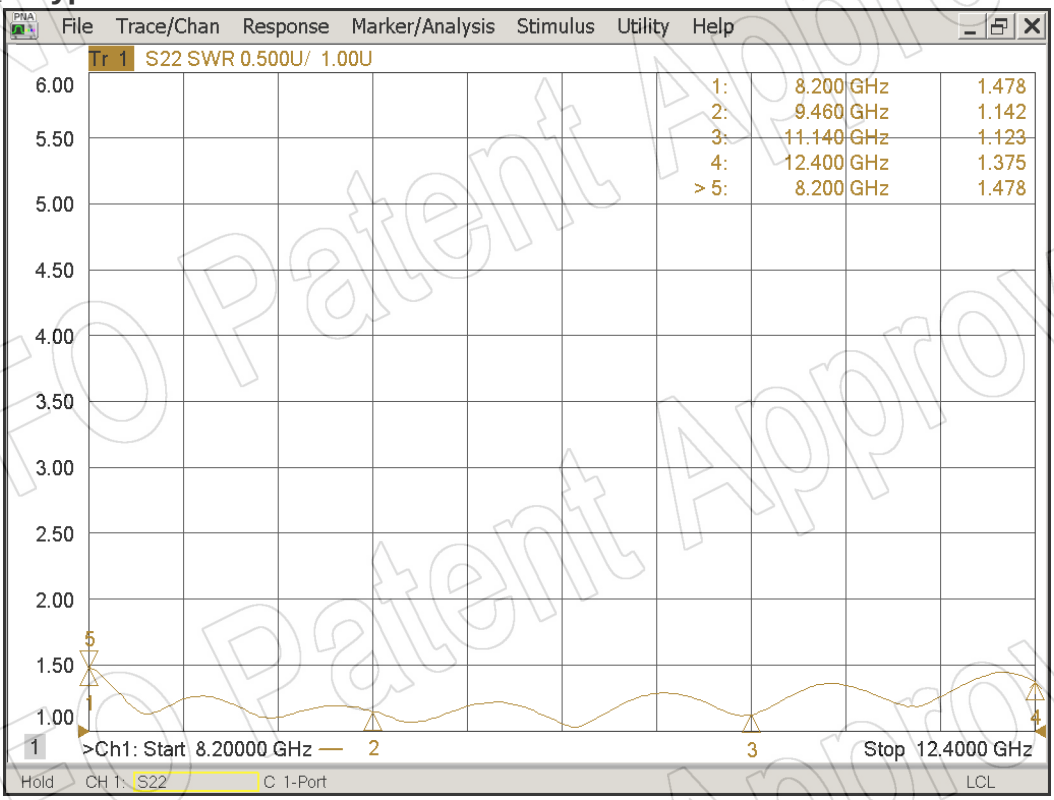
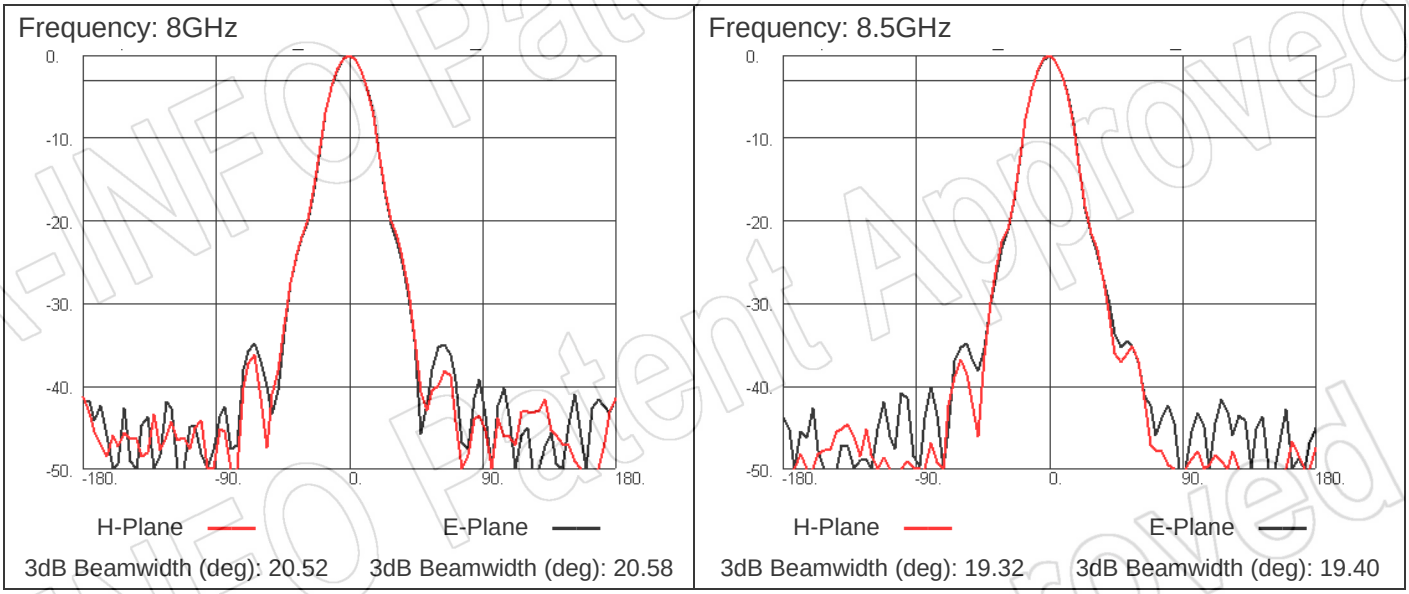
VSWR_C Type



4. Pattern



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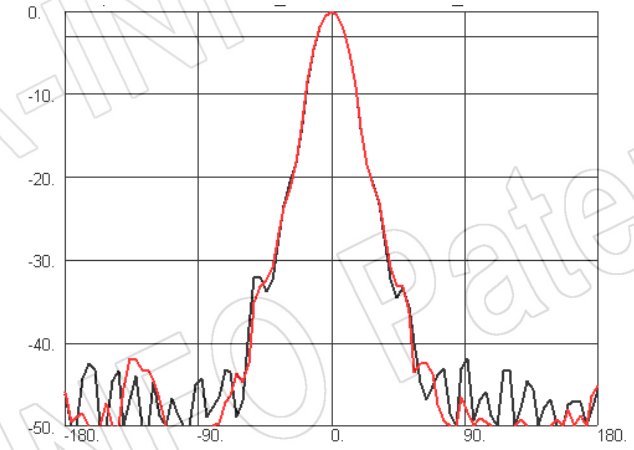
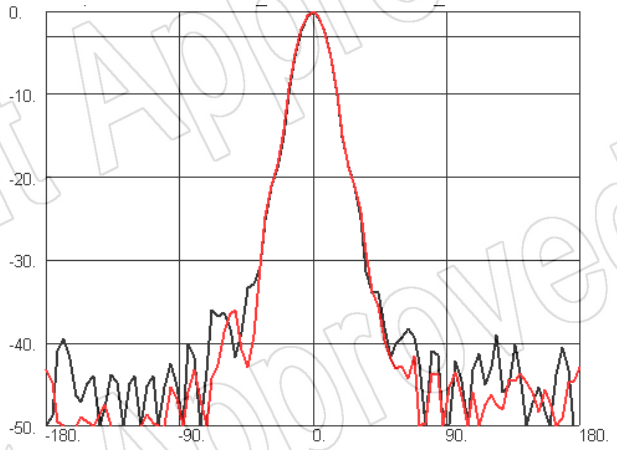
Frequency: 9GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 18.86 3dB Beamwidth (deg): 18.75

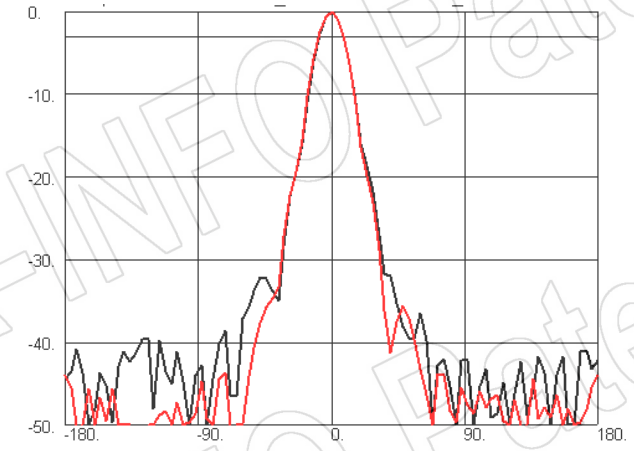
Frequency: 9.5GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 17.70 3dB Beamwidth (deg): 17.46

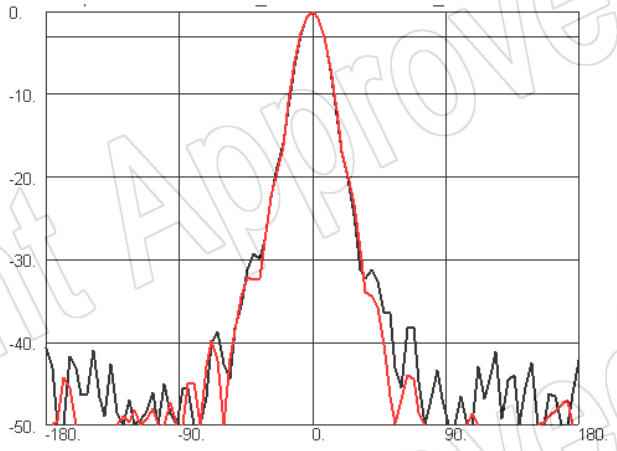
Frequency: 10GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 16.93 3dB Beamwidth (deg): 16.56

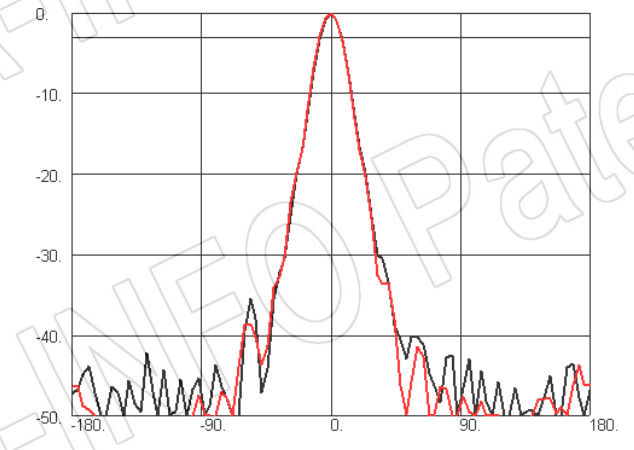
Frequency: 10.5GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 16.52 3dB Beamwidth (deg): 15.97

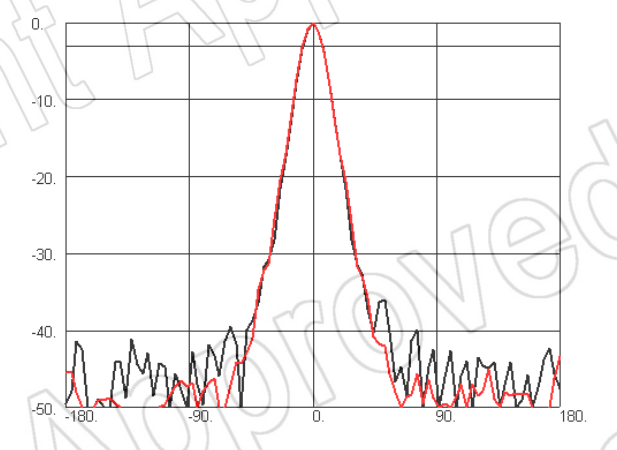
Frequency: 11GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 15.37 3dB Beamwidth (deg): 14.94

Frequency: 11.5GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 14.67 3dB Beamwidth (deg): 14.21

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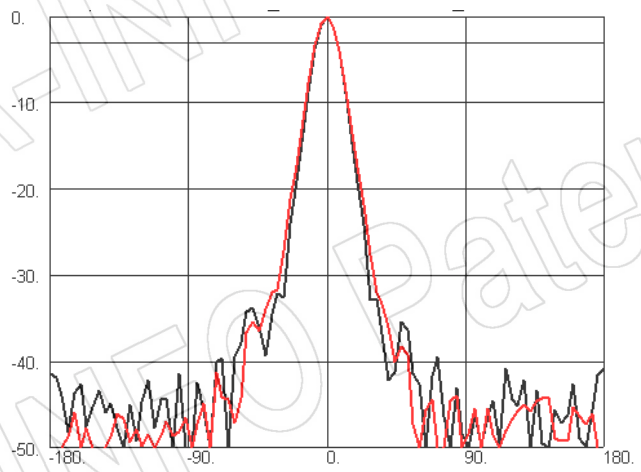
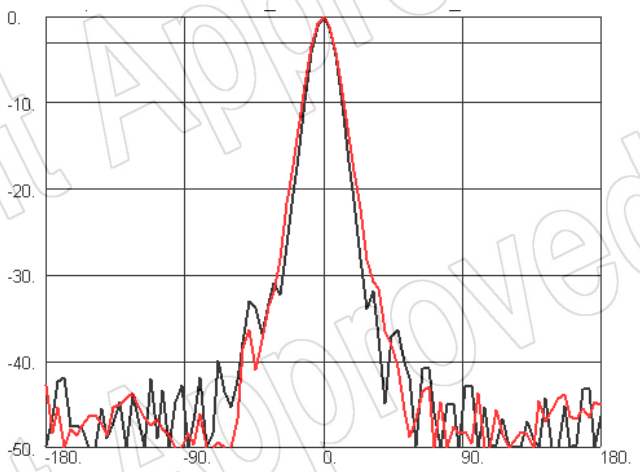
Frequency: 12GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 14.18 3dB Beamwidth (deg): 13.61

Frequency: 12.4GHz



H-Plane —— E-Plane ——

3dB Beamwidth (deg): 13.85 3dB Beamwidth (deg): 12.63

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