

For reference only. See data sheet for the detailed specifications.

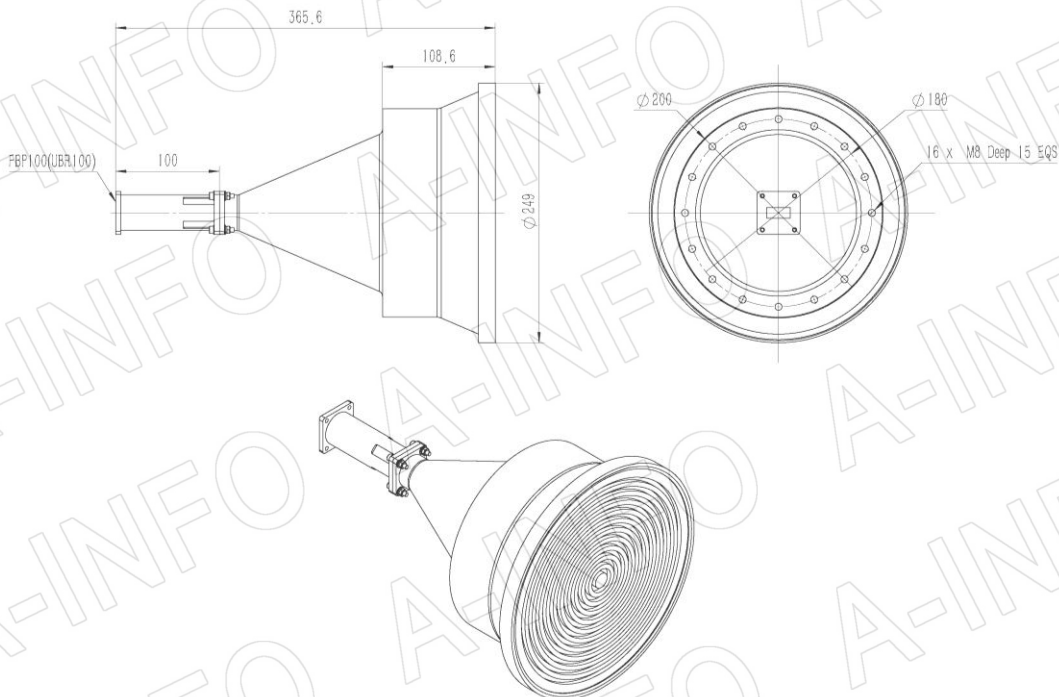
Technical Specification



Frequency Range(GHz)	8.2 – 12.4
Waveguide	WR90
Gain(dBi)	25 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E-Plane: 8 Typ.
	H-Plane: 10 Typ.
Cross Pol. Isolation(dB)	45 Typ.
VSWR	A Type: 1.60:1 Max.
	C Type: 1.80:1 Max.
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: 249 x 249 x 365.6
	C Type: 249 x 249 x 403.6
Net Weight(Kg)	A Type: 4.23 Around
	C Type: 4.58 Around

Outline Drawing (Size: mm)

FBP220 Output (P/N: LB-CL-90-70-A)



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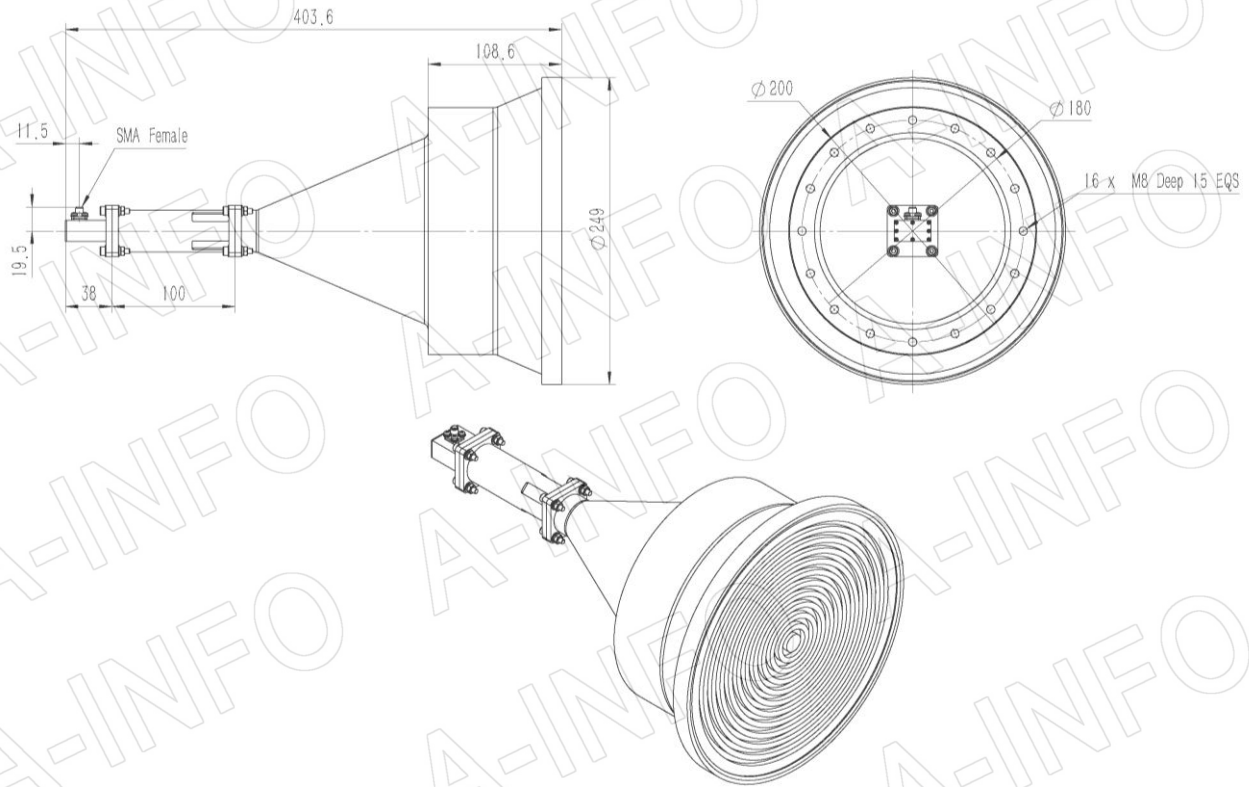
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The technical drawing illustrates the dimensions and components of a lamp assembly. It includes three views:

- Side Elevation View:** Shows the overall length of 516.6 mm and a mounting arm length of 408 mm. The mounting arm has a diameter of $\varnothing 210$. The lamp body has a diameter of $\varnothing 249$. A component labeled FBPI00(UBR100) is indicated.
- Top View:** Shows the circular base plate with a diameter of $\varnothing 150$. It features 28 holes arranged in concentric circles with diameters of $\varnothing 6.5$, $\varnothing 90$, and $\varnothing 140$. The mounting arm is shown attached to the center.
- Perspective View:** Provides a 3D representation of the lamp assembly, showing the mounting arm and the circular base plate.

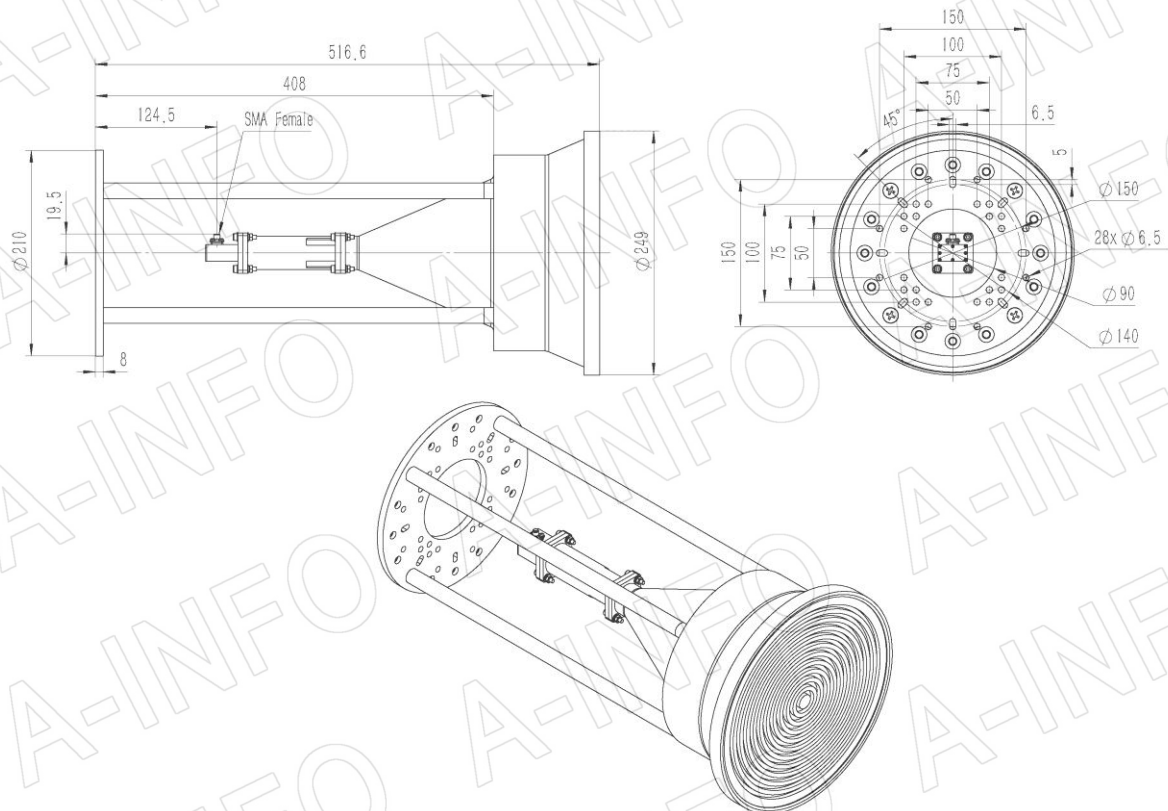
SMA-Female Output (P/N: LB-CL-90-70-C-SF)

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



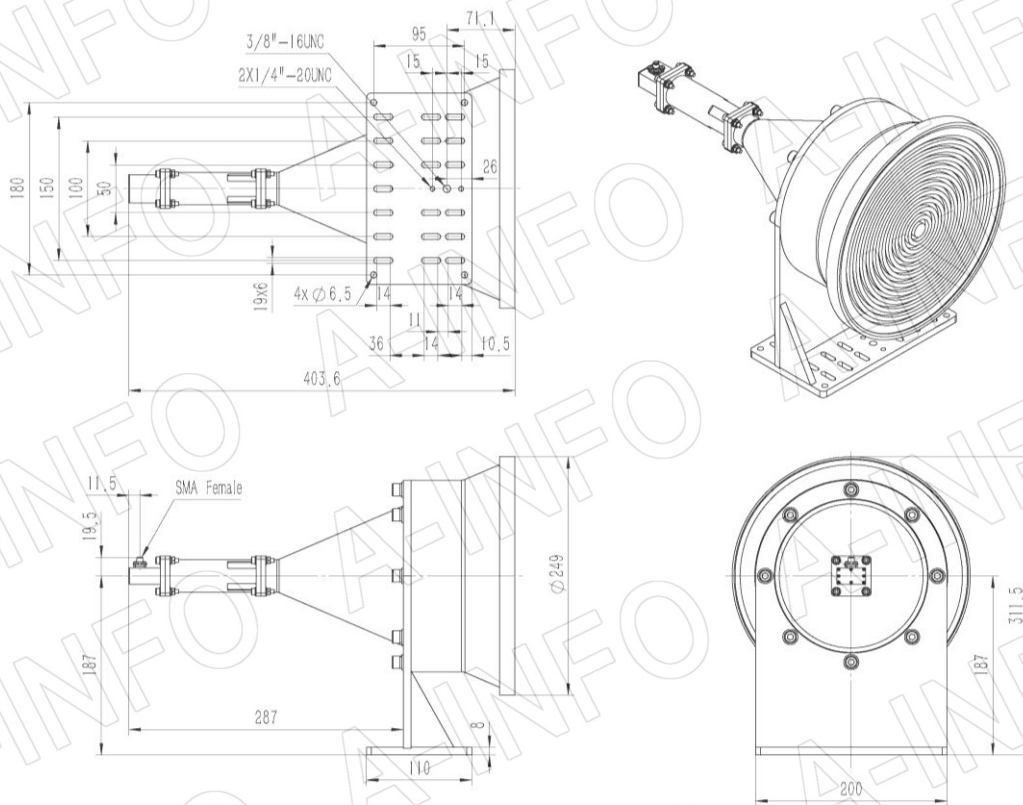
SMA-Female Output with Round Mounting Bracket (Option, P/N: LB-CL-90-70-MB)

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

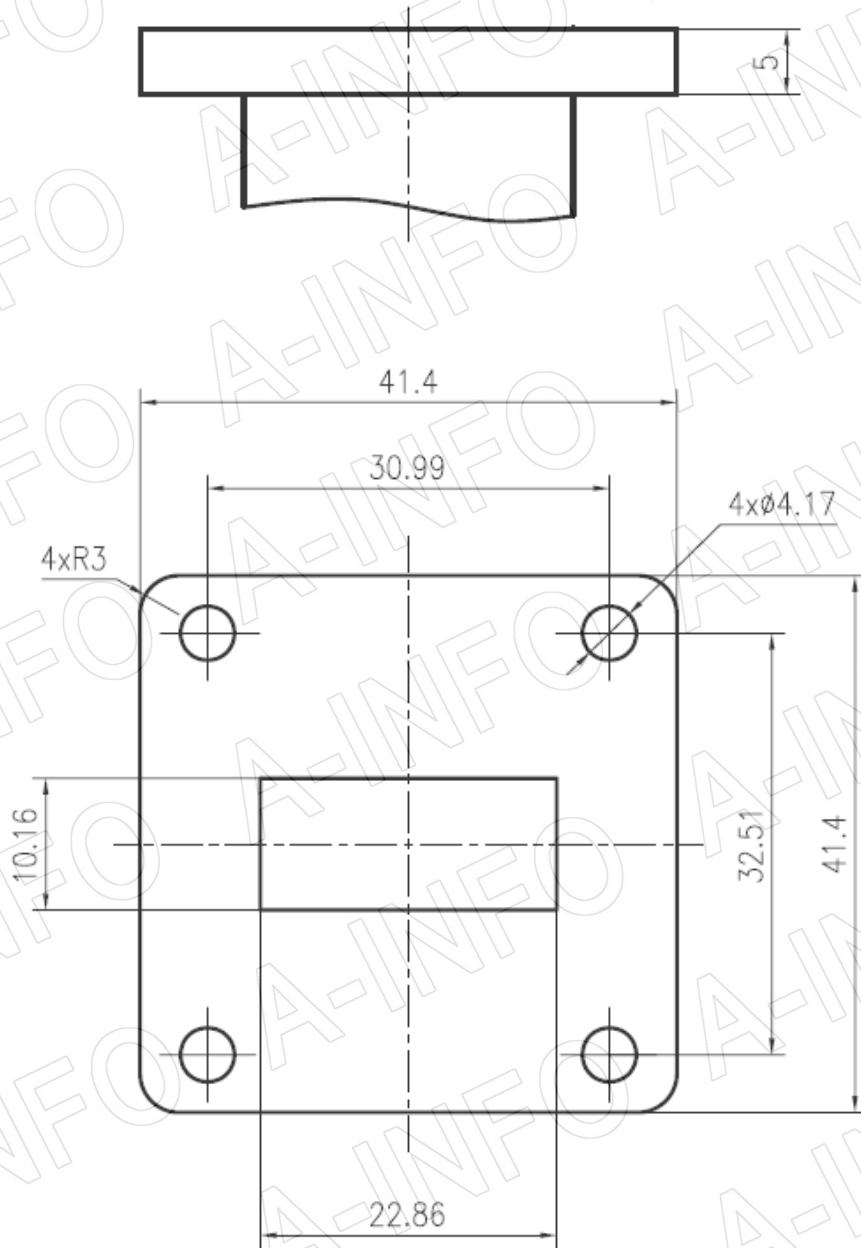


SMA-Female Output with L Type Mounting Bracket (Option, P/N: LB-CL-90-70-L)

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



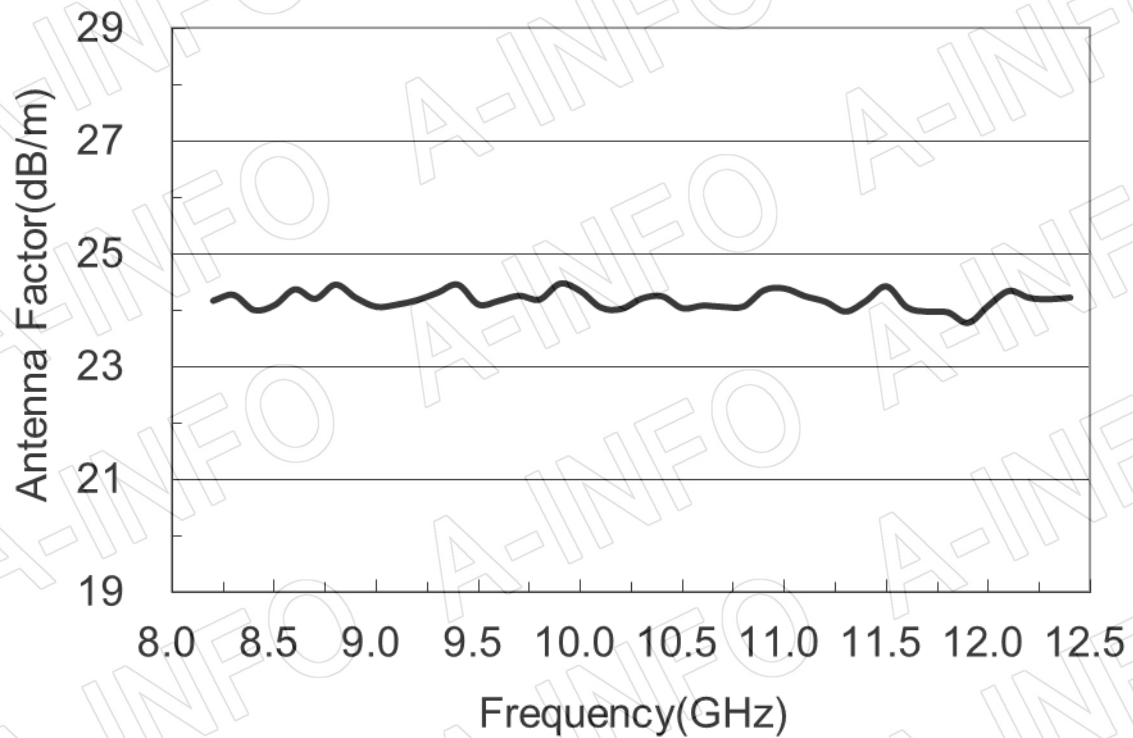
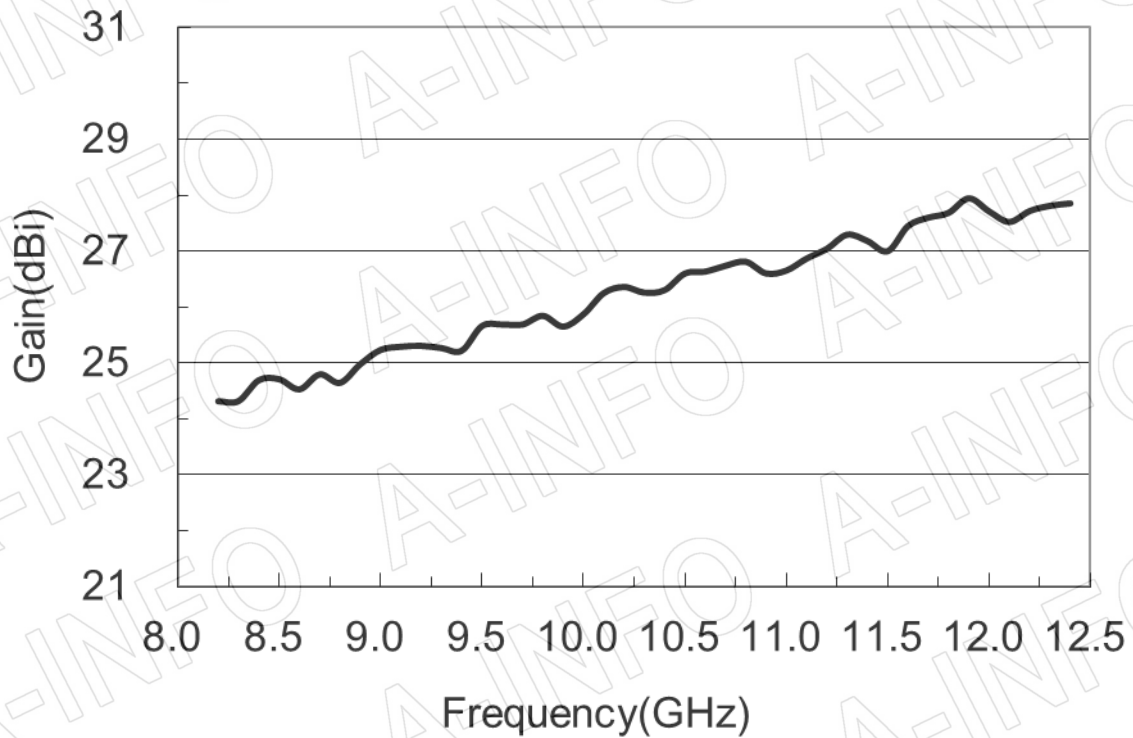
Flange Drawing (Size: mm)



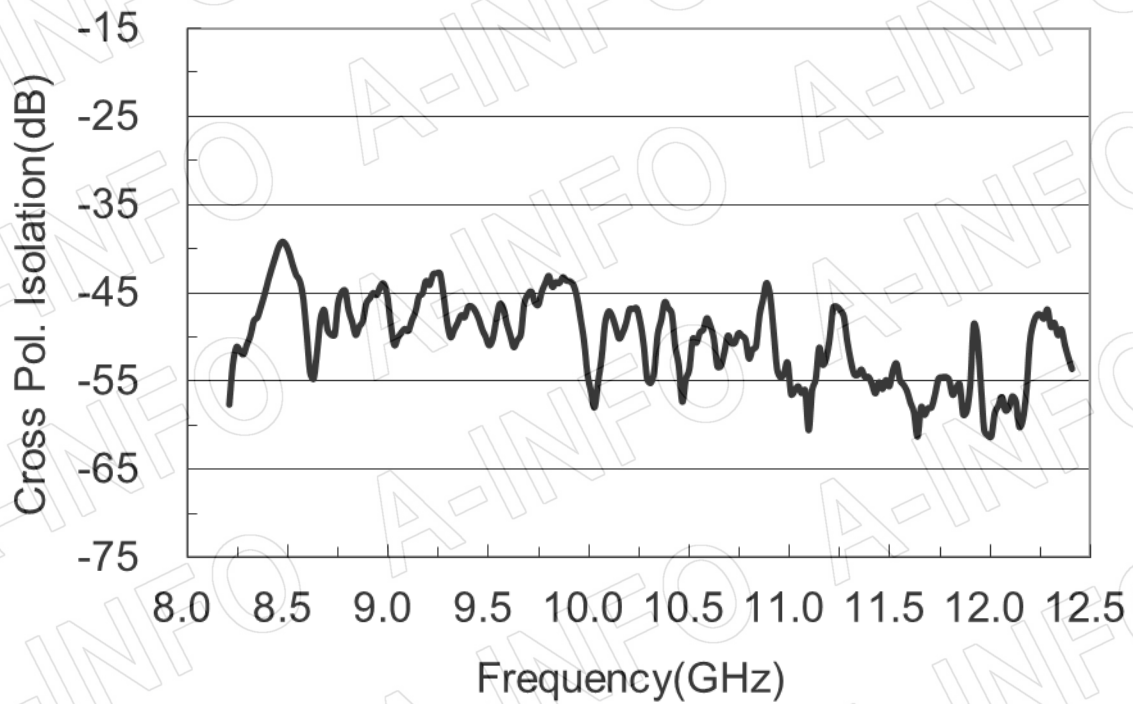
FBP100

Test Results

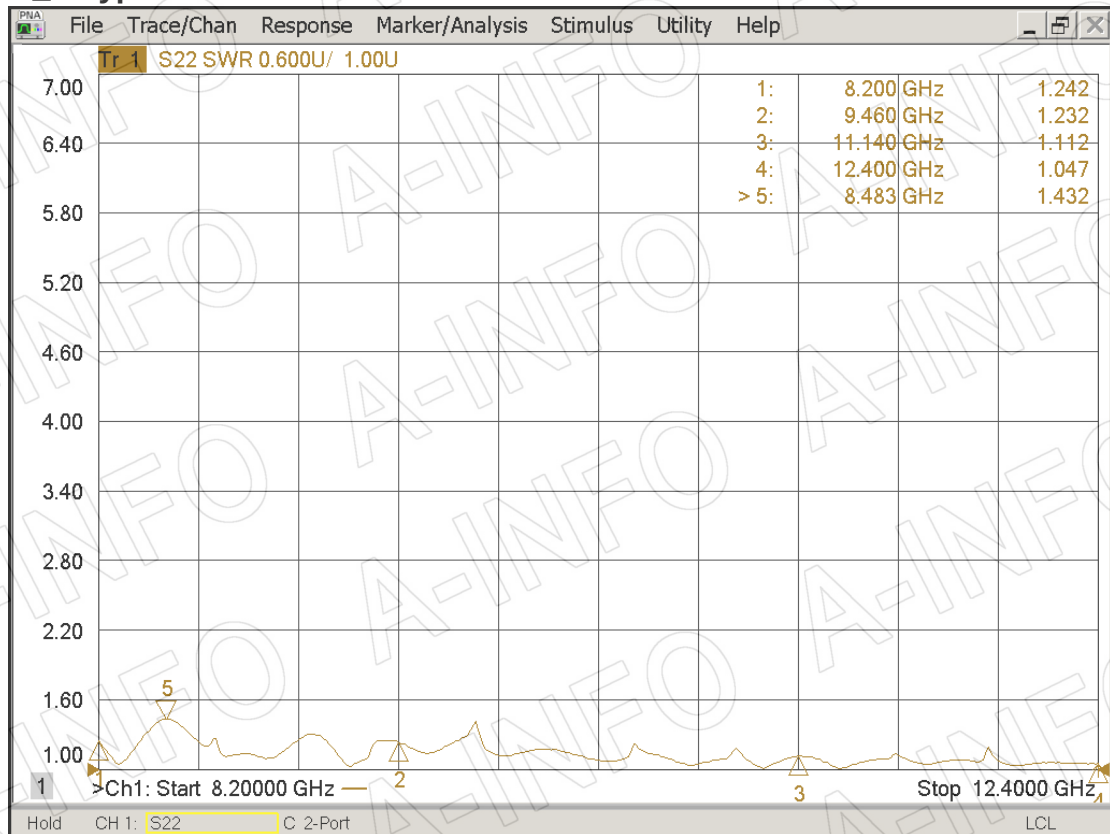
1. Gain & Antenna Factor



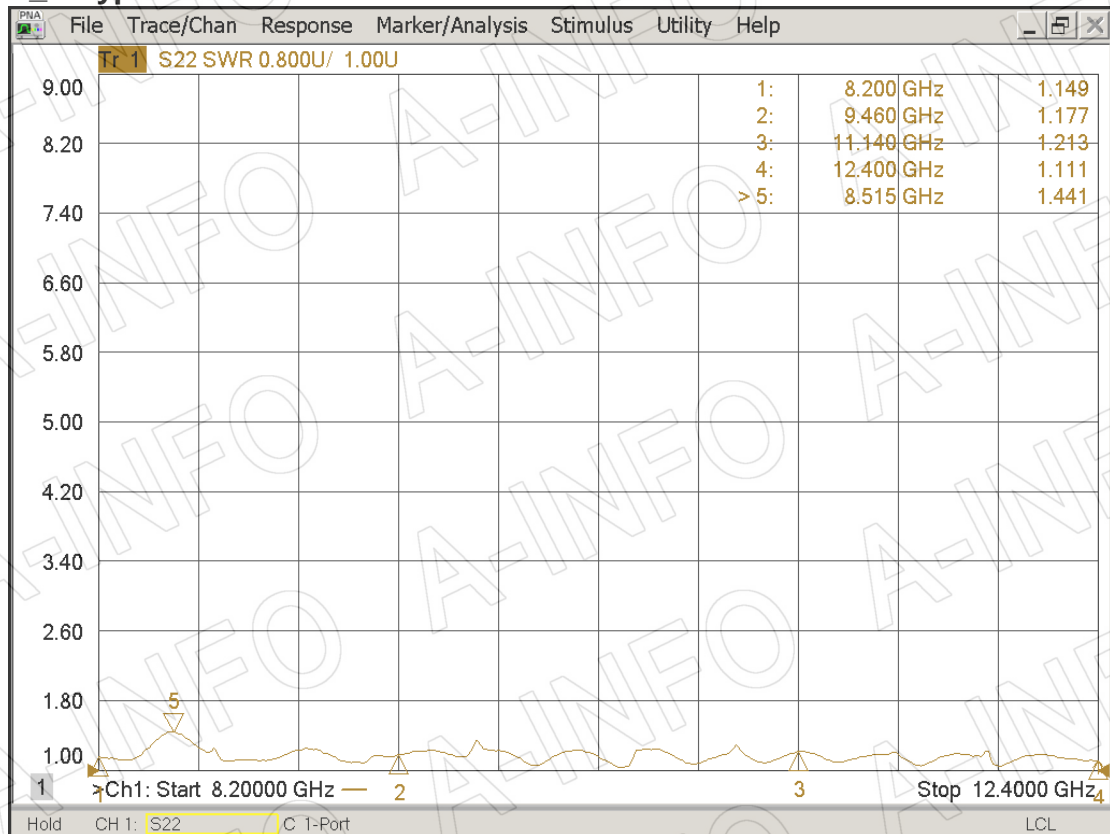
2. Cross Polarization Isolation



3. VSWR_A Type

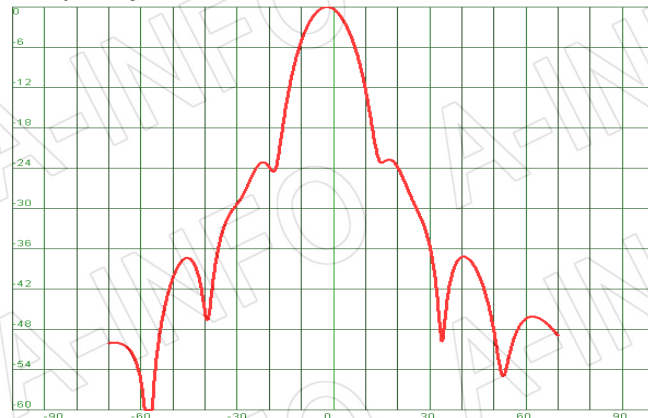


VSWR_C Type



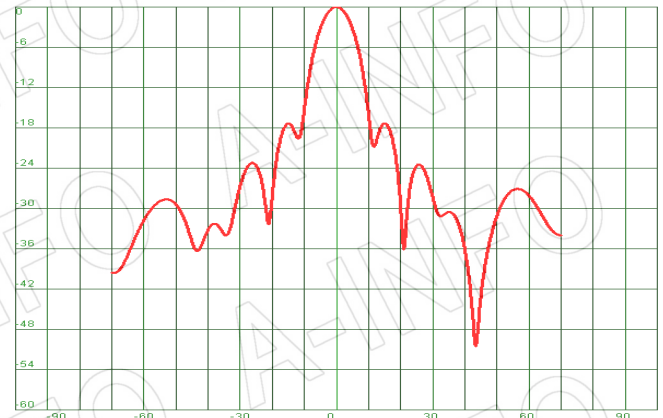
4. Pattern

Frequency: 8.2GHz



H-Plane

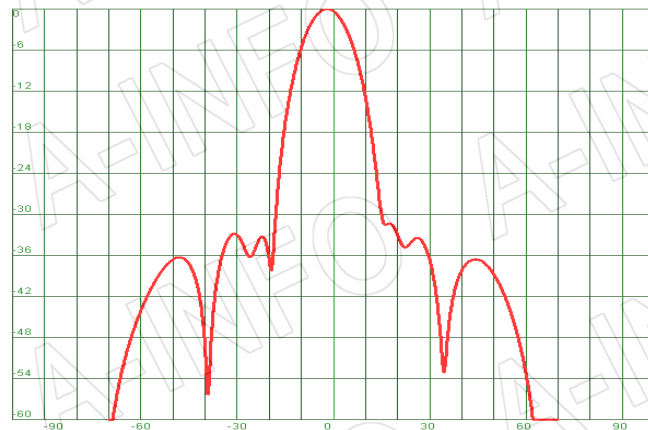
3dB Beamwidth (deg): 12.2



E-Plane

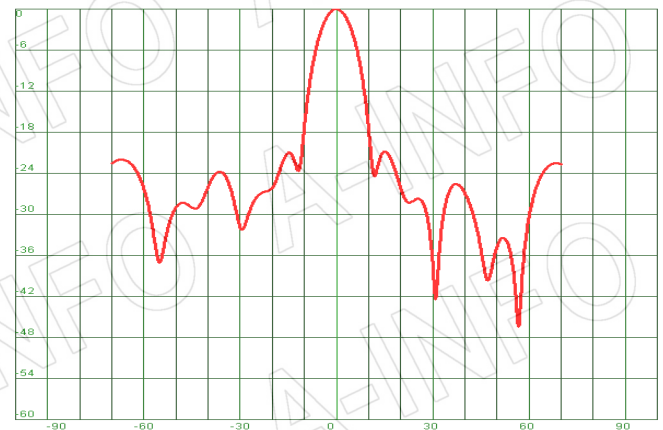
3dB Beamwidth (deg): 9.8

Frequency: 8.5GHz



H-Plane

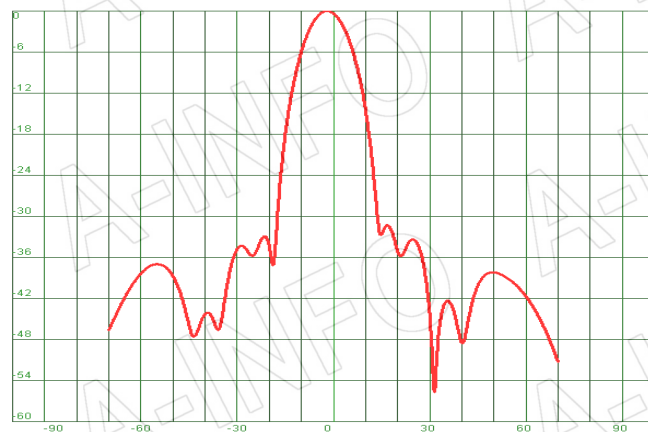
3dB Beamwidth (deg): 12.1



E-Plane

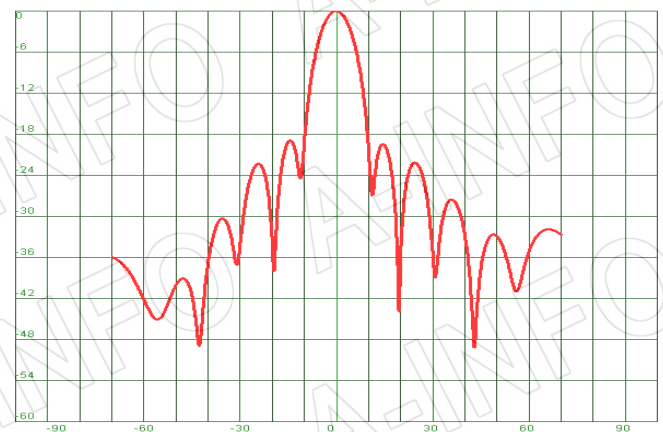
3dB Beamwidth (deg): 9.4

Frequency: 9.0GHz



H-Plane

3dB Beamwidth (deg): 11.7



E-Plane

3dB Beamwidth (deg): 9.3

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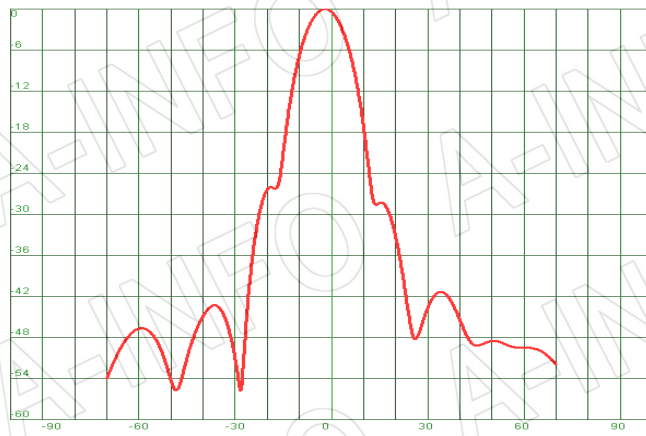
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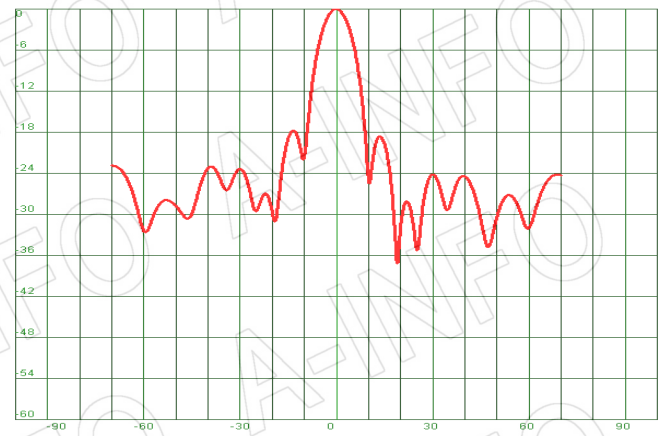
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Frequency: 9.5GHz



H-Plane

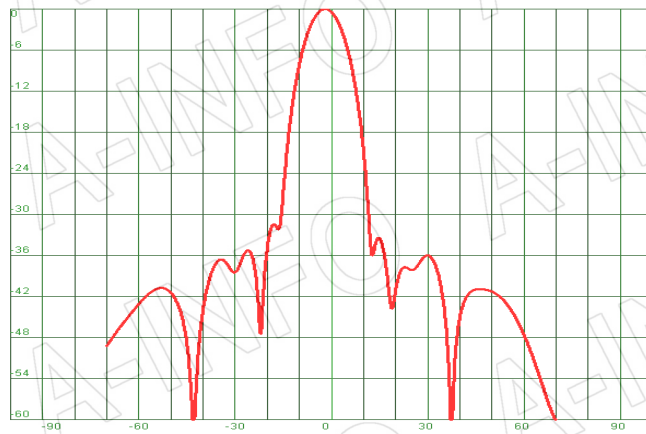
3dB Beamwidth (deg): 10.9



E-Plane

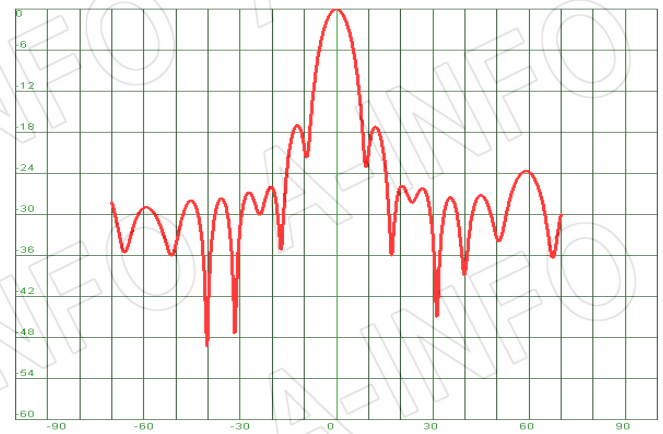
3dB Beamwidth (deg): 8.5

Frequency: 10.0GHz



H-Plane

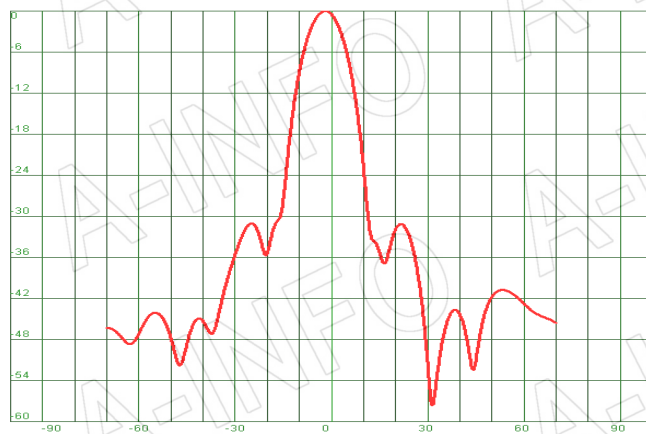
3dB Beamwidth (deg): 10.2



E-Plane

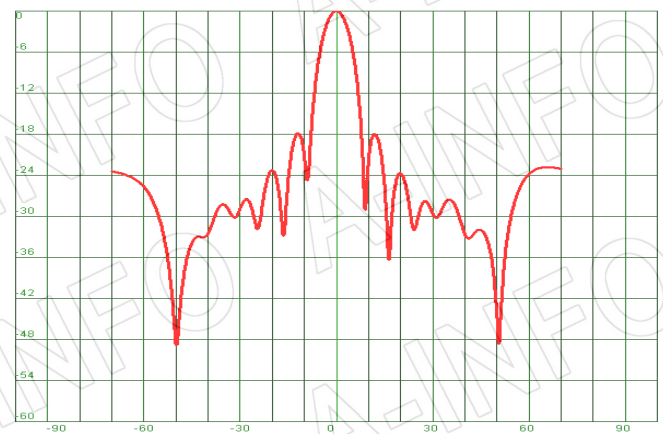
3dB Beamwidth (deg): 7.9

Frequency: 10.5GHz



H-Plane

3dB Beamwidth (deg): 9.7



E-Plane

3dB Beamwidth (deg): 7.6

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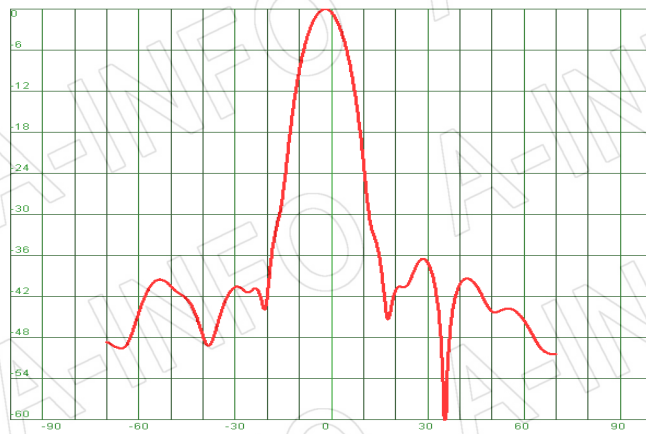
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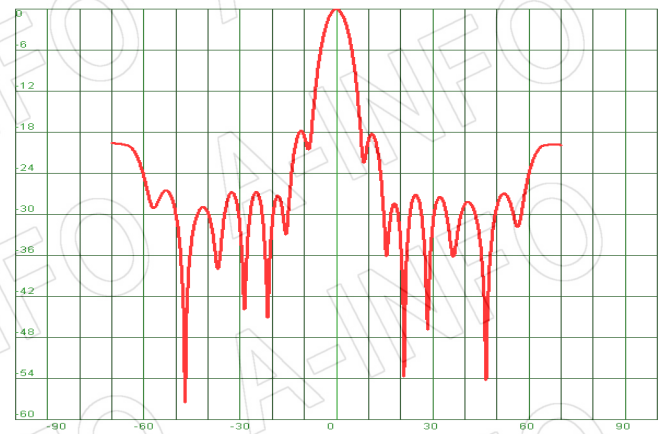
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Frequency: 11.0GHz



H-Plane

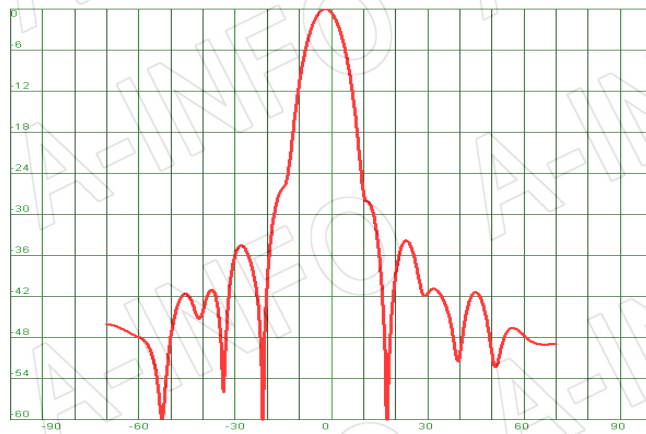
3dB Beamwidth (deg): 9.7



E-Plane

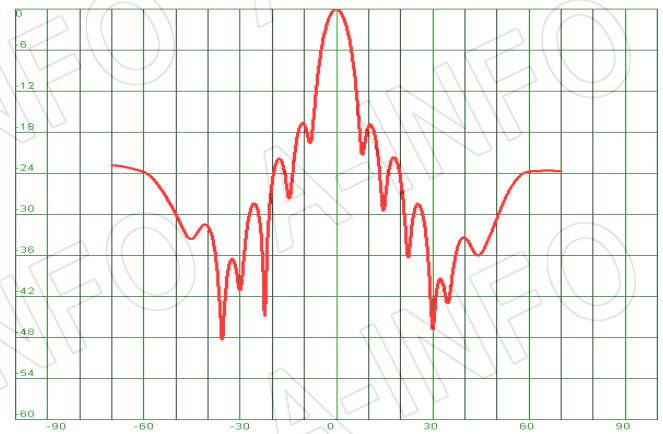
3dB Beamwidth (deg): 7.1

Frequency: 11.5GHz



H-Plane

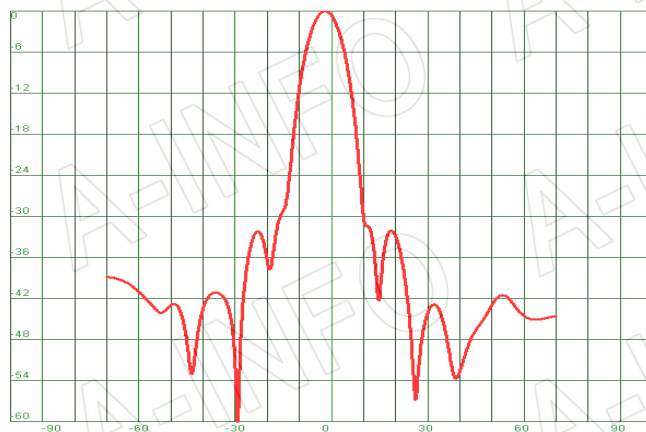
3dB Beamwidth (deg): 9.0



E-Plane

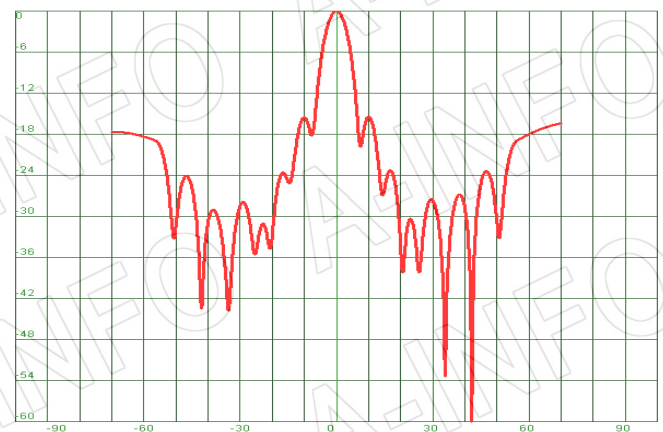
3dB Beamwidth (deg): 6.9

Frequency: 12.0GHz



H-Plane

3dB Beamwidth (deg): 8.7



E-Plane

3dB Beamwidth (deg): 6.5

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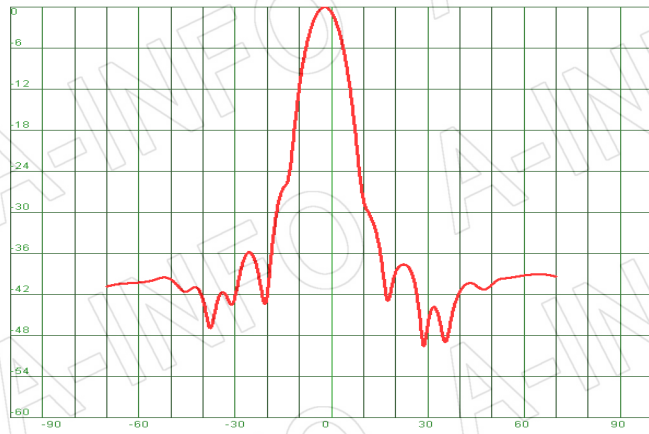
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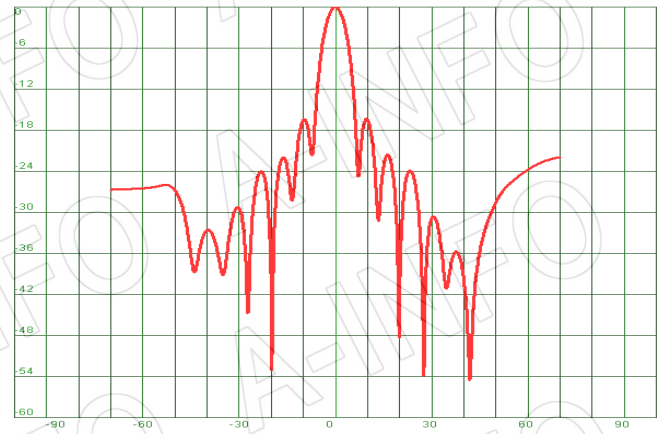
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Frequency: 12.4GHz



H-Plane

3dB Beamwidth (deg): 8.5



E-Plane

3dB Beamwidth (deg): 6.2

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