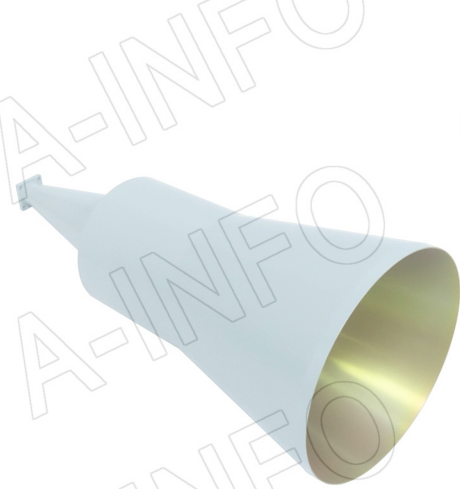


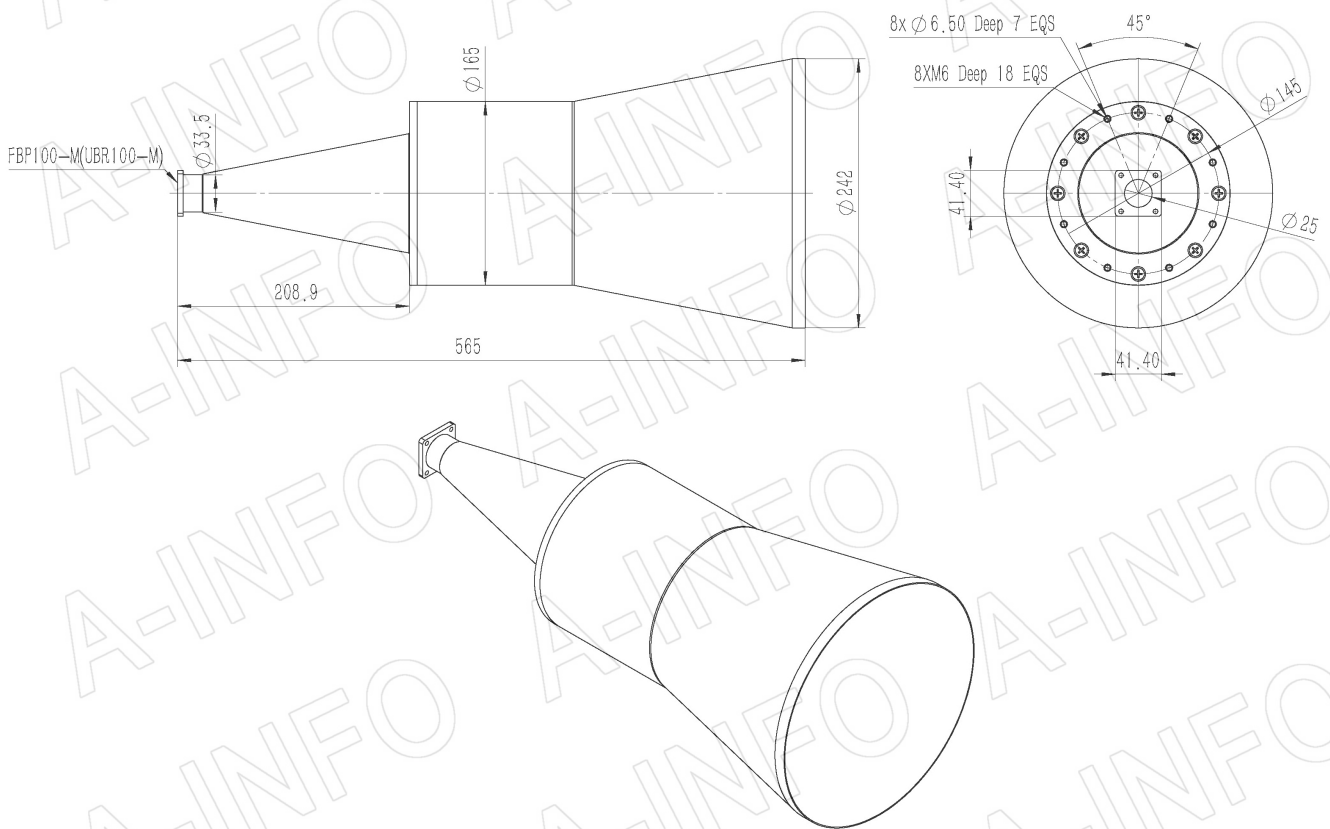
For reference only. See data sheet for the detailed specifications.

## Technical Specification



Frequency Range(GHz)	8.2 – 12.4
Circular WG Size	25mm / 0.98"
Gain(dBi)	25 Typ.
Polarization	Linear and Circular
3dB Beamwidth(deg)	E Plane: 8 Typ.
	H Plane: 9 Typ.
Cross Pol. Isolation(dB)	45 Typ.
VSWR	1.25:1 Max.
Output	FBP100-M(UBR100-M)
Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size(mm)	242 x 242 x 565
Net Weight(Kg)	4.81 Around

## Outline Drawing (Size: mm)



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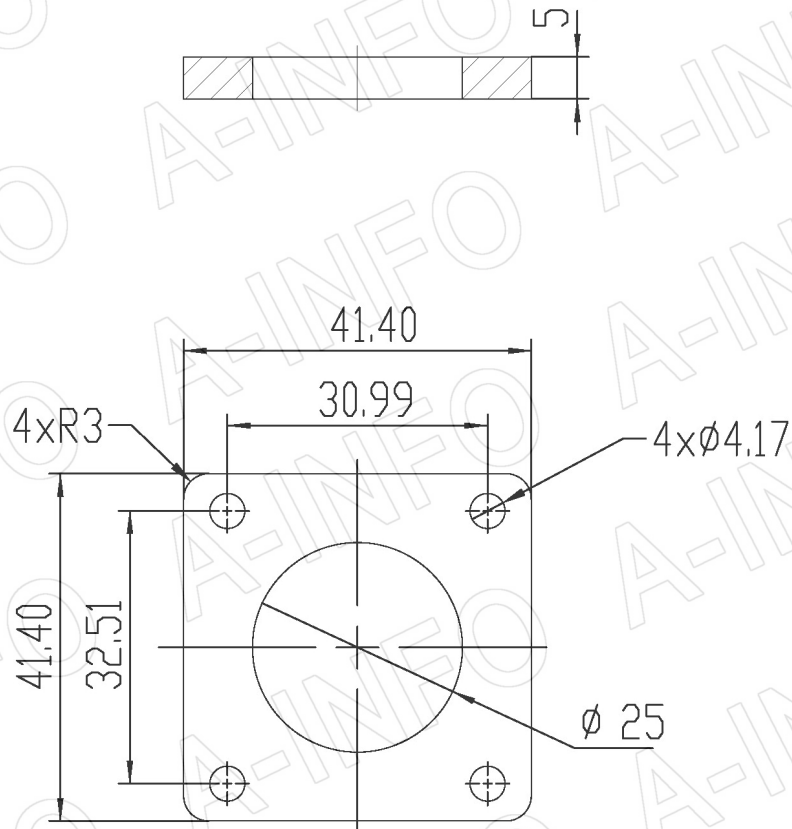
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## Flange Drawing (Size: mm)



**FBP100-M**

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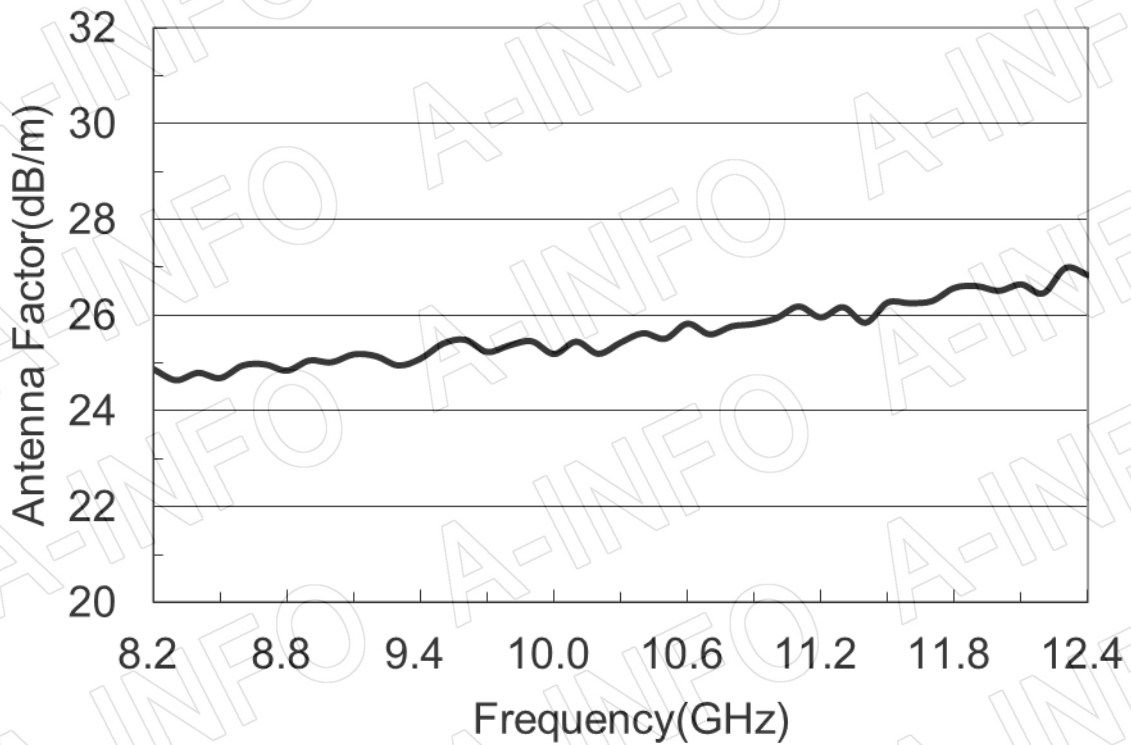
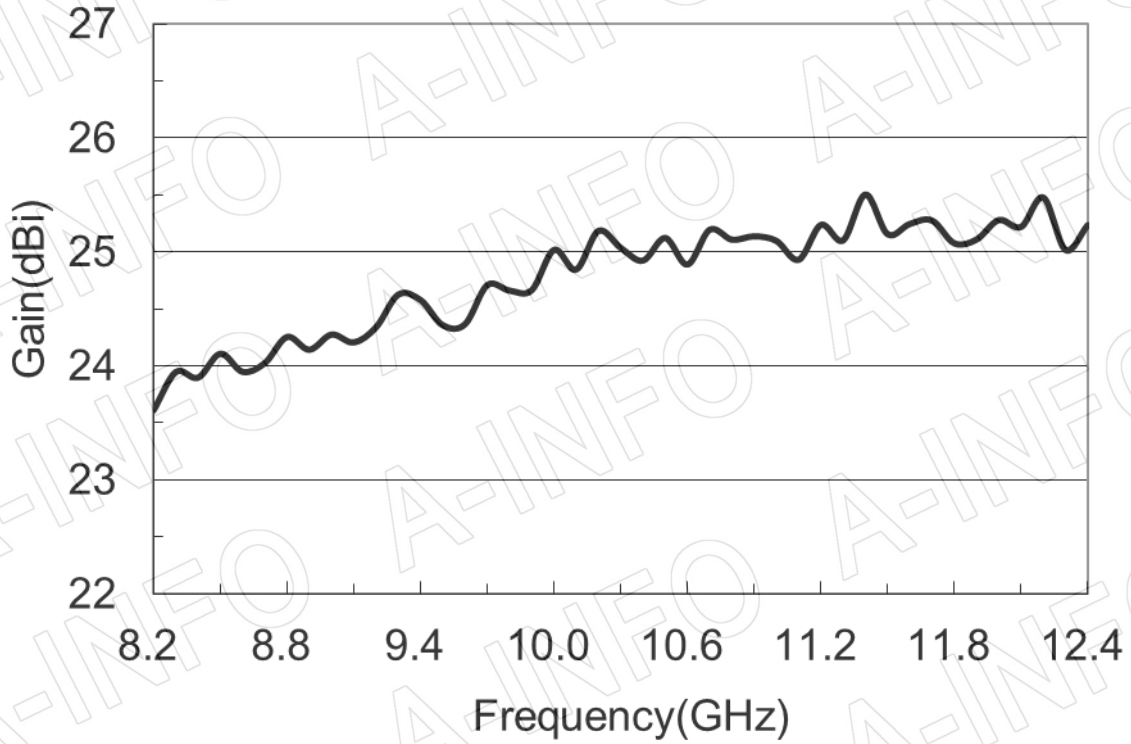
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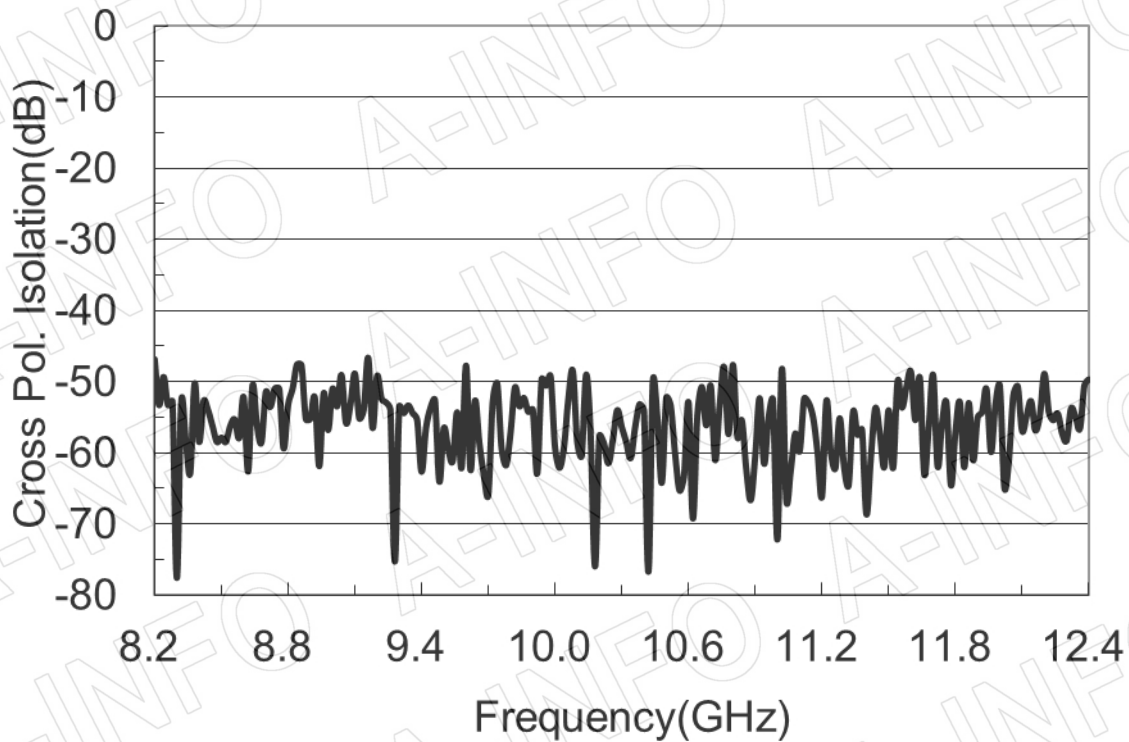
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## Test Results (Including circular to rectangular transition)

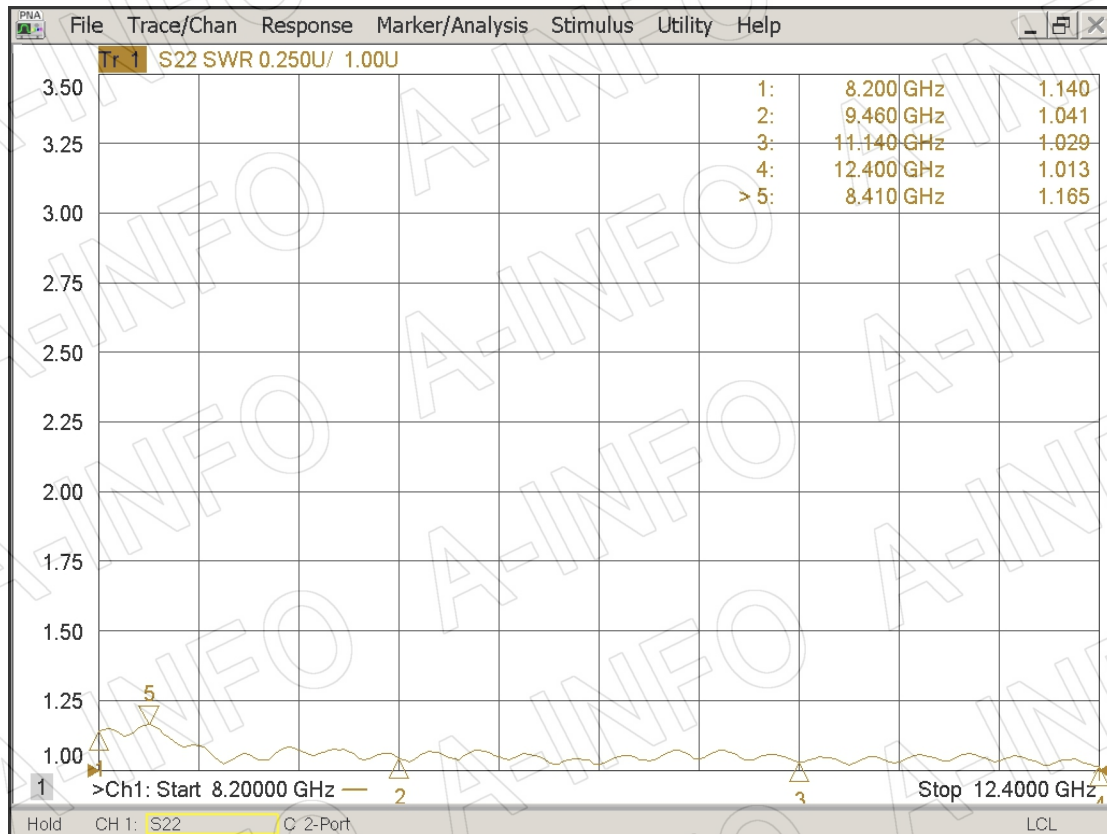
### 1. Gain & Antenna Factor



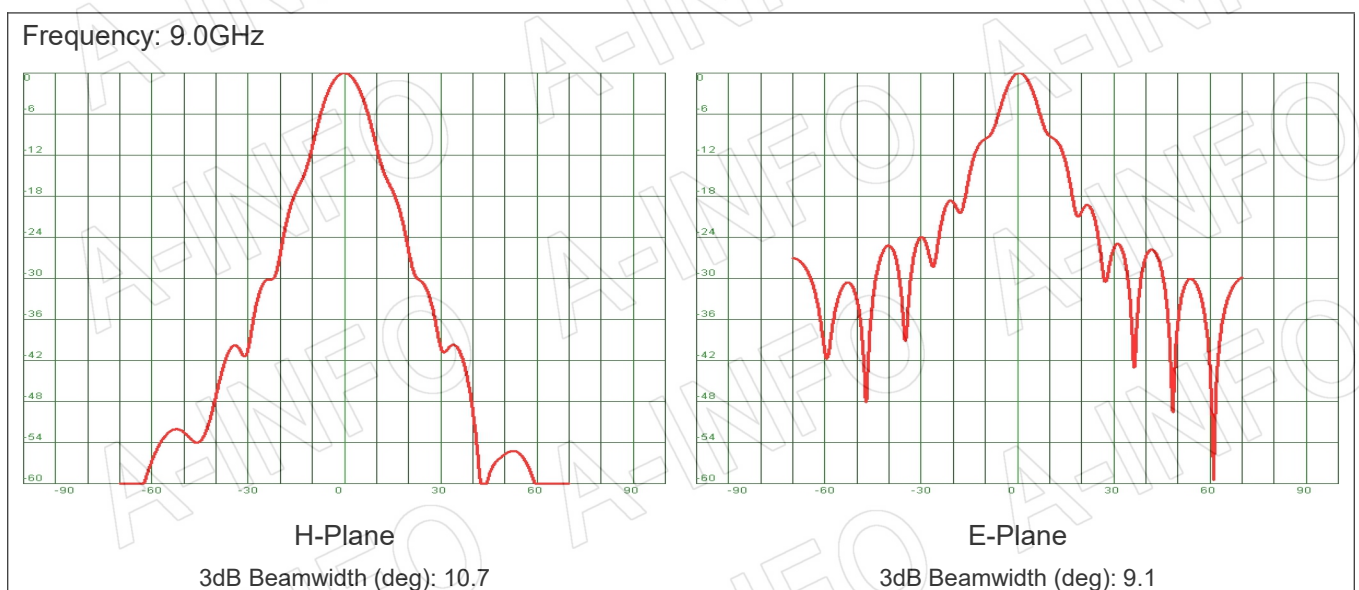
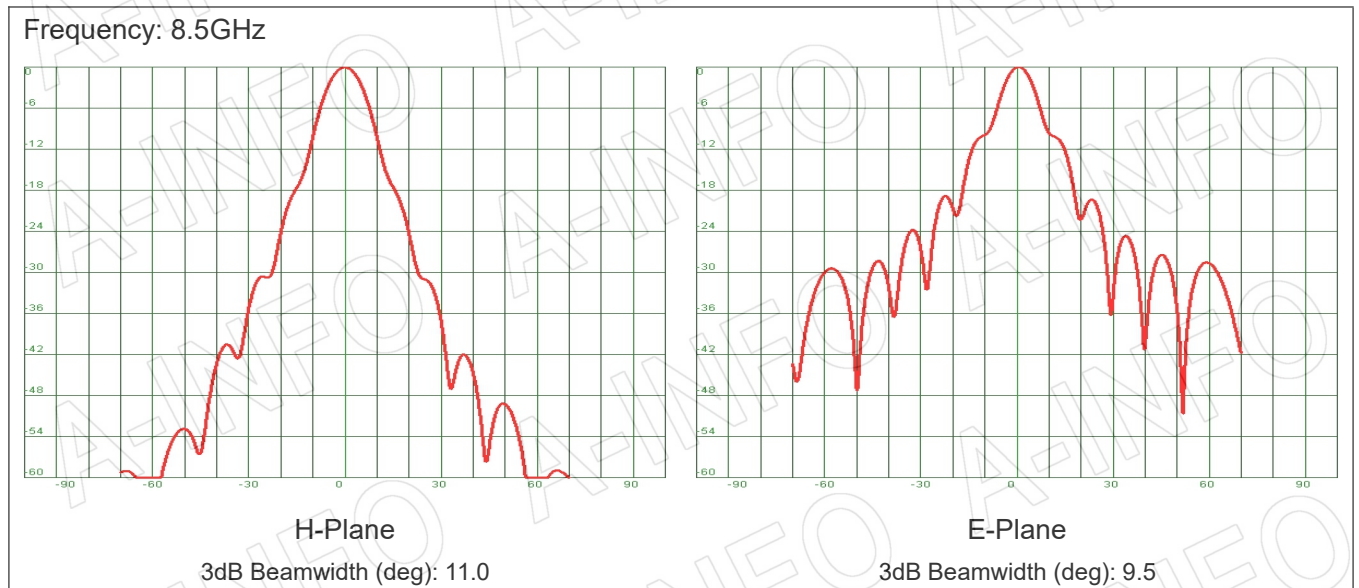
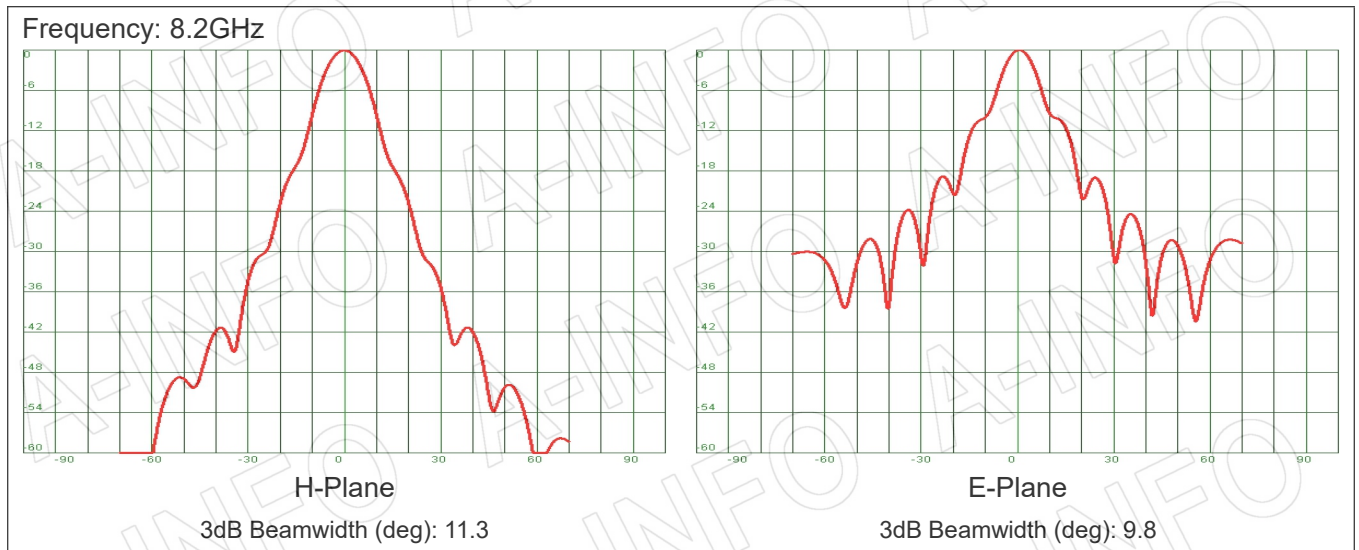
## 2. Cross Polarization Isolation



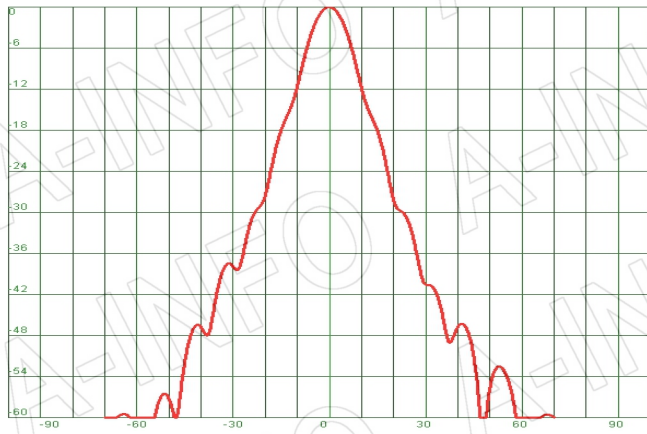
## 3. VSWR



## 4. Pattern

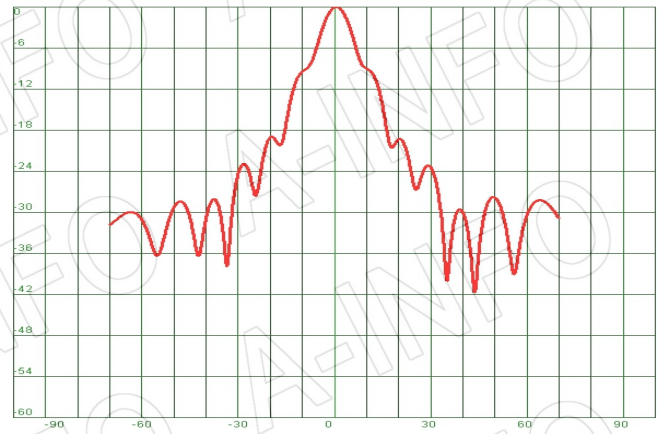


Frequency: 9.5GHz



H-Plane

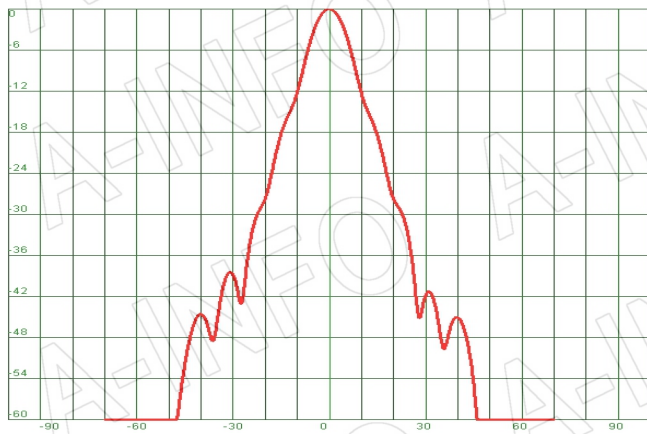
3dB Beamwidth (deg): 10.0



E-Plane

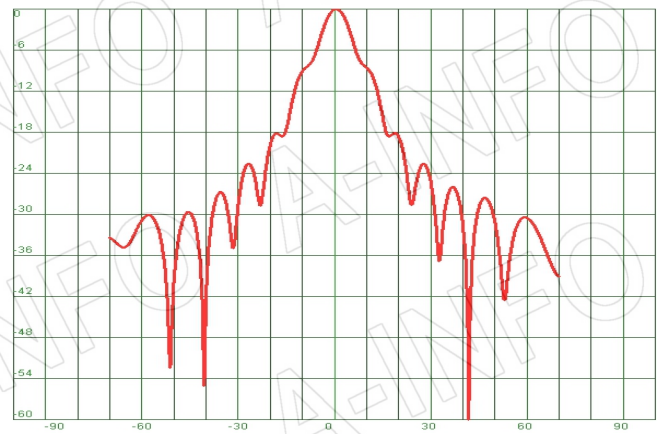
3dB Beamwidth (deg): 8.6

Frequency: 10.0GHz



H-Plane

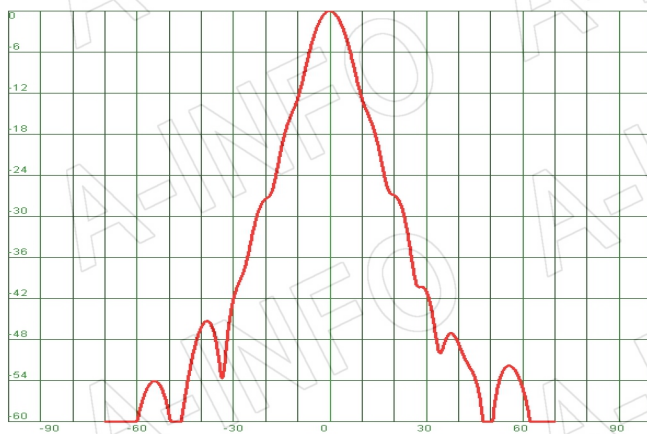
3dB Beamwidth (deg): 9.5



E-Plane

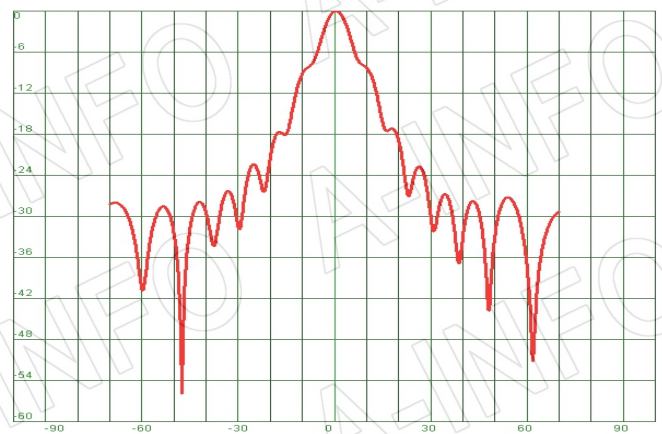
3dB Beamwidth (deg): 8.3

Frequency: 10.5GHz



H-Plane

3dB Beamwidth (deg): 9.1



E-Plane

3dB Beamwidth (deg): 8.0

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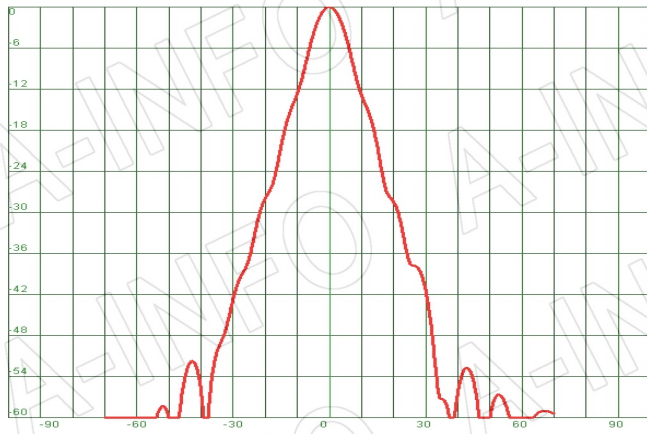
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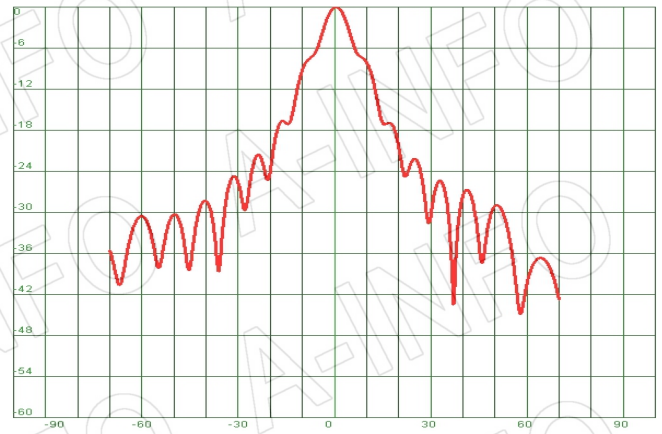
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Frequency: 11.0GHz



H-Plane

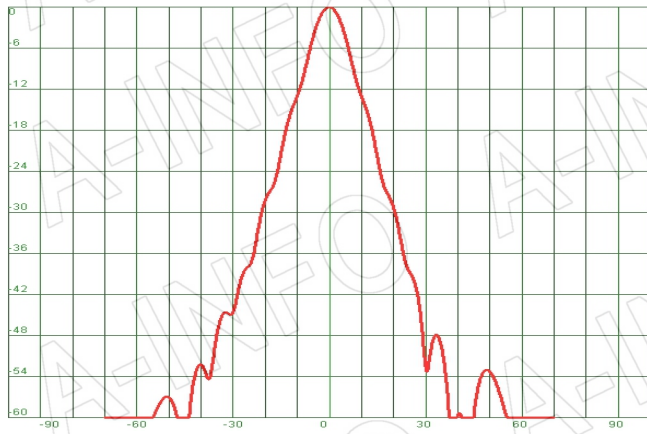
3dB Beamwidth (deg): 8.7



E-Plane

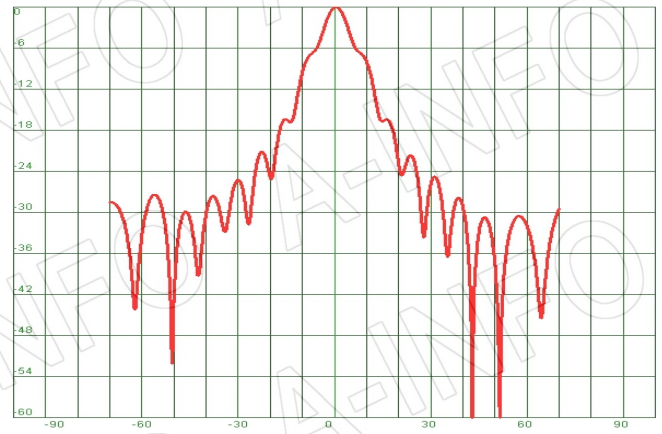
3dB Beamwidth (deg): 7.6

Frequency: 11.5GHz



H-Plane

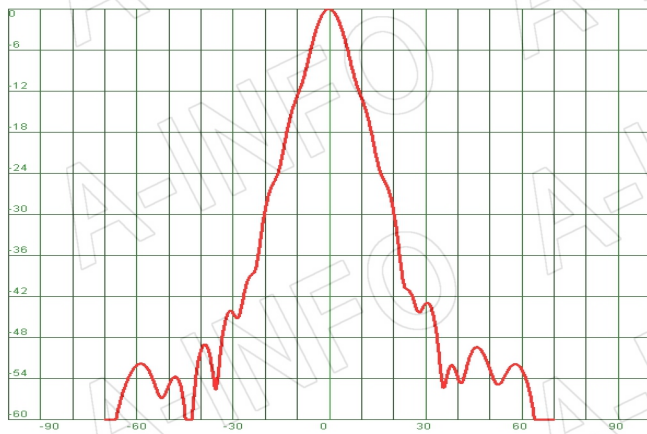
3dB Beamwidth (deg): 8.5



E-Plane

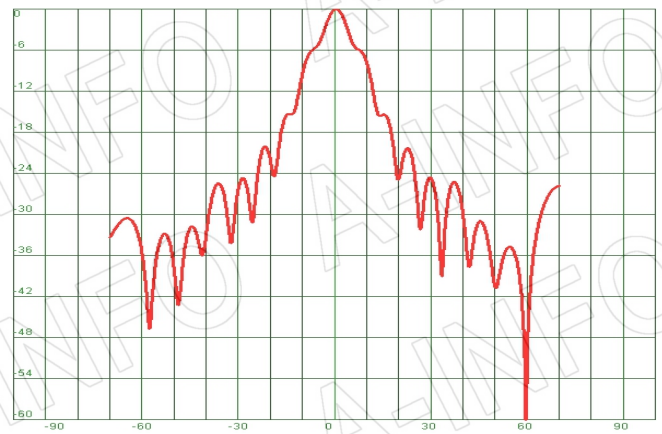
3dB Beamwidth (deg): 7.4

Frequency: 12.0GHz



H-Plane

3dB Beamwidth (deg): 8.2



E-Plane

3dB Beamwidth (deg): 7.4

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USA :

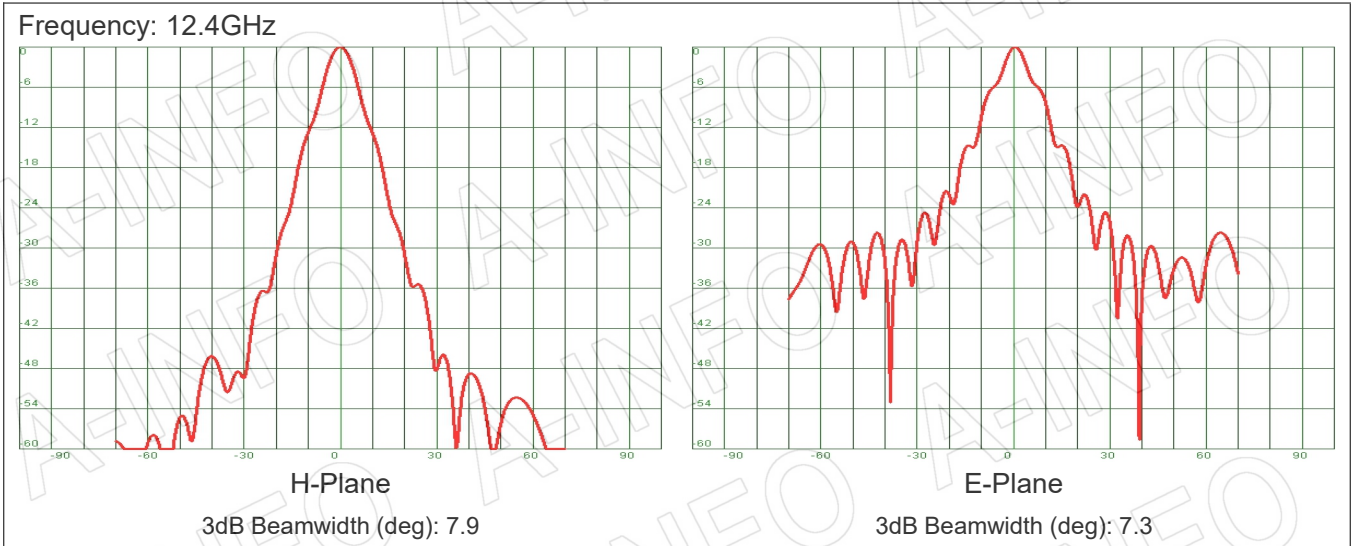
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