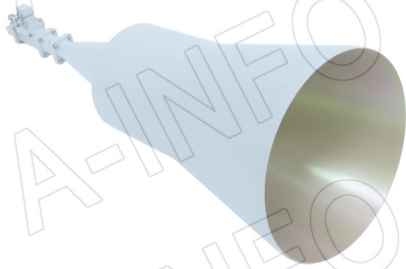


For reference only. See data sheet for the detailed specifications.

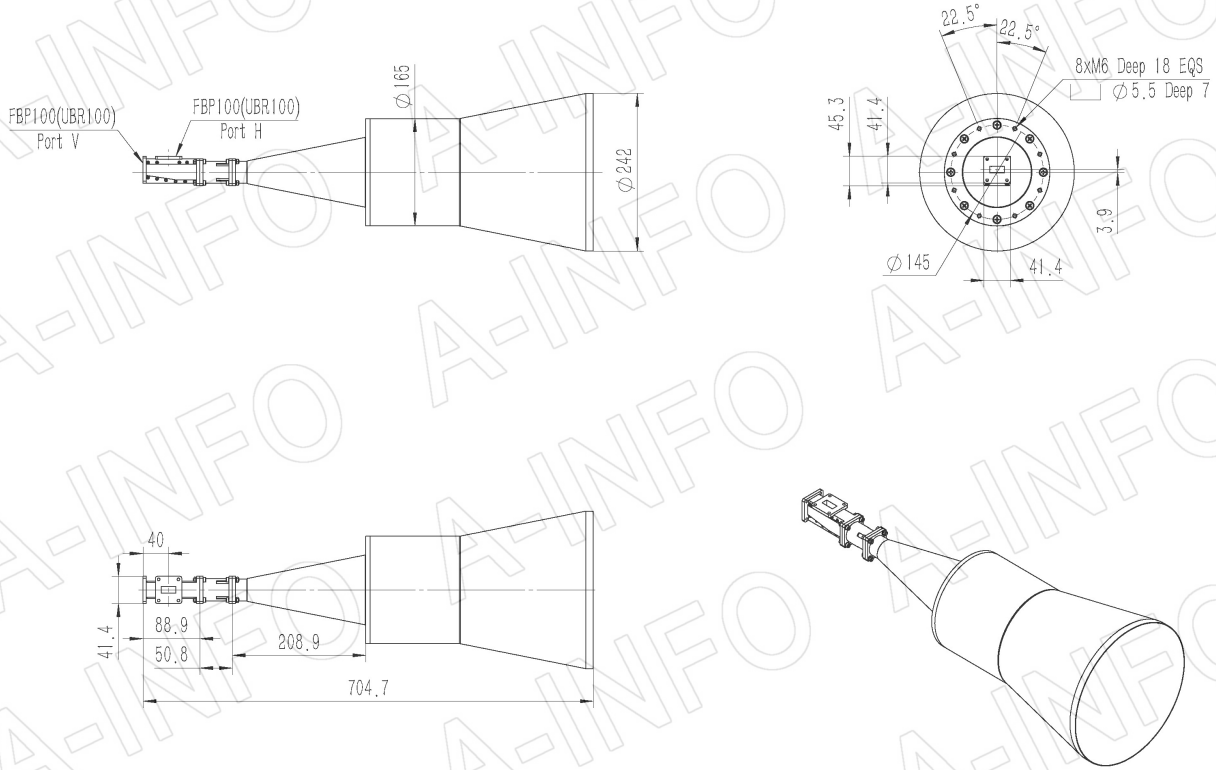
## Technical Specification



Frequency Range(GHz)	8.9 – 11.7
Waveguide	WR90
Gain(dBi)	25 Typ.
Polarization	Dual Linear
3dB Beamwidth(deg)	E Plane: 8 Typ.
	H Plane: 9 Typ.
Cross Pol. Isolation(dB)	45 Typ.
Port to Port Isolation(dB)	55 Typ. ; 45 Min.
VSWR	A Type: 1.60:1 Max.
	C Type: 1.60:1 Max.
Output	A Type: FBP100(UBR100)
	C Type: SMA-Female or N-Female or TNC-Female or 7mm or 3.5mm-Female
Material	Al
Finish	Silver Plated and Chemical Conversion Coating, Gray Paint
Size(mm)	A Type: 242 x 242 x 704.7
	C Type: 242 x 242 x 742.7
Net Weight(Kg)	A Type: 5.19 Around
	C Type: 5.31 Around

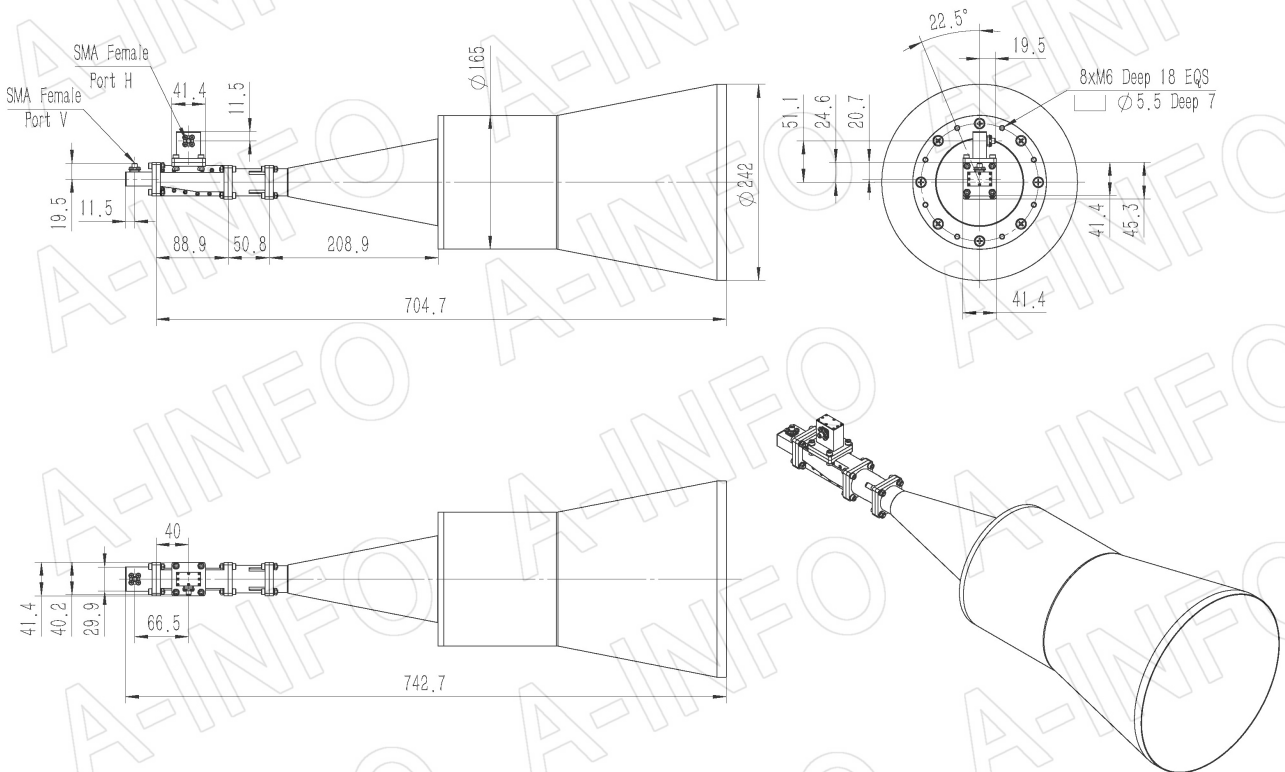
## Outline Drawing (Size: mm)

FBP100 Output (P/N: LB-CNH-90-25-T16-A)



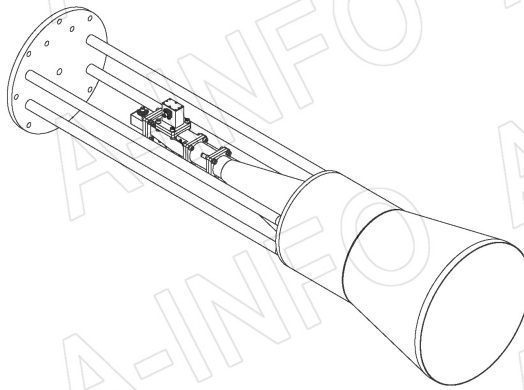
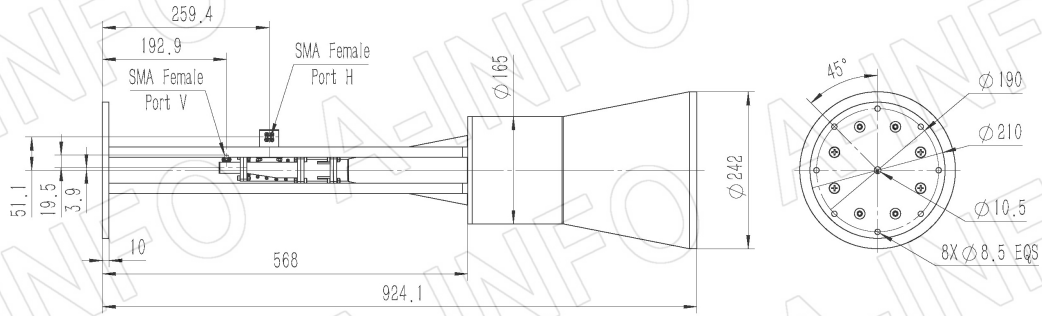
## SMA-Female Output (P/N: LB-CNH-90-25-T16-C-SF)

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



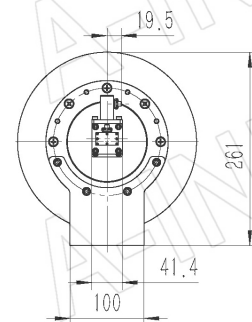
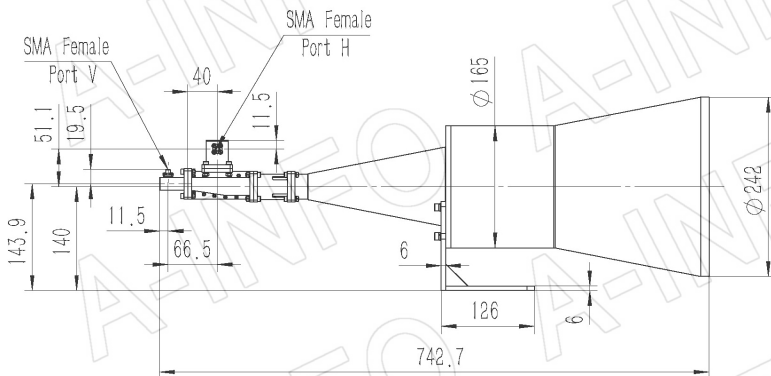
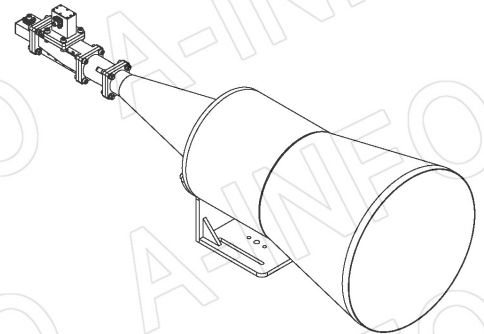
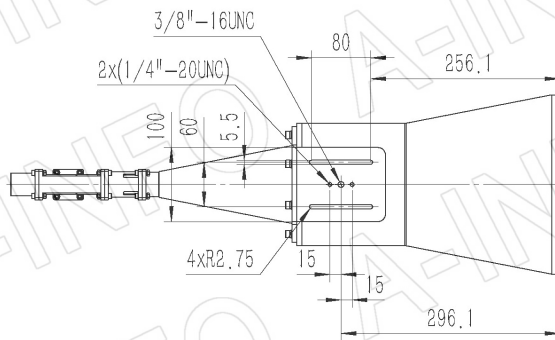
## SMA-Female Output with Round Mounting Bracket (Option, P/N: LB-CNH-90-25-MB)

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

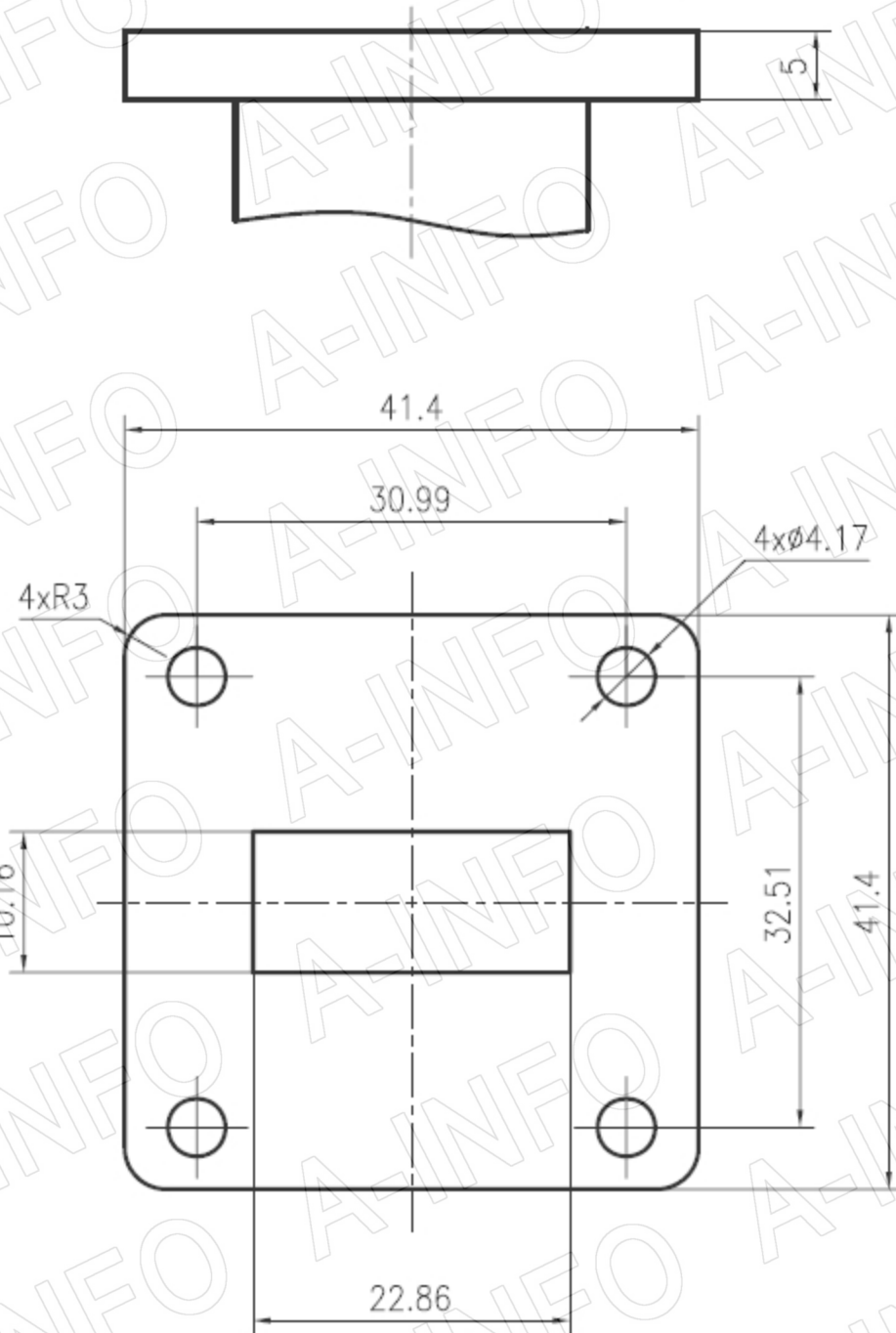


## SMA-Female Output with L Type Mounting Bracket (Option, P/N: LB-CNH-90-25-L)

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



## Flange Drawing (Size: mm)



### FBP100

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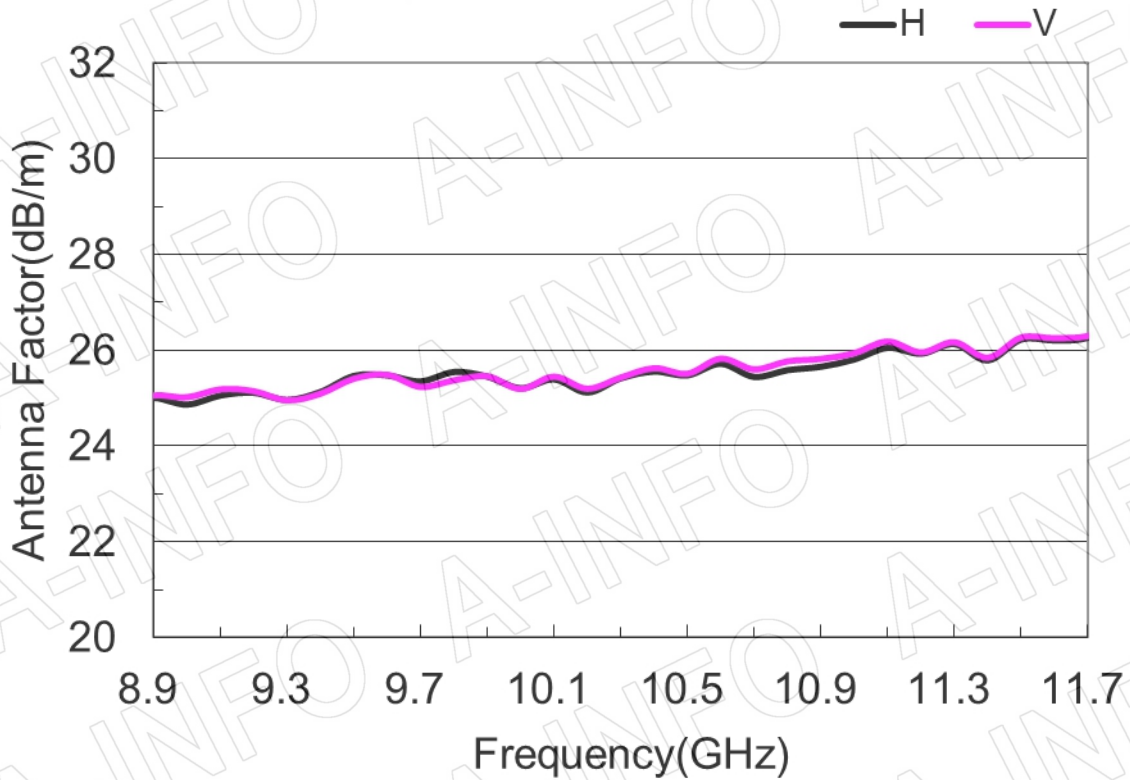
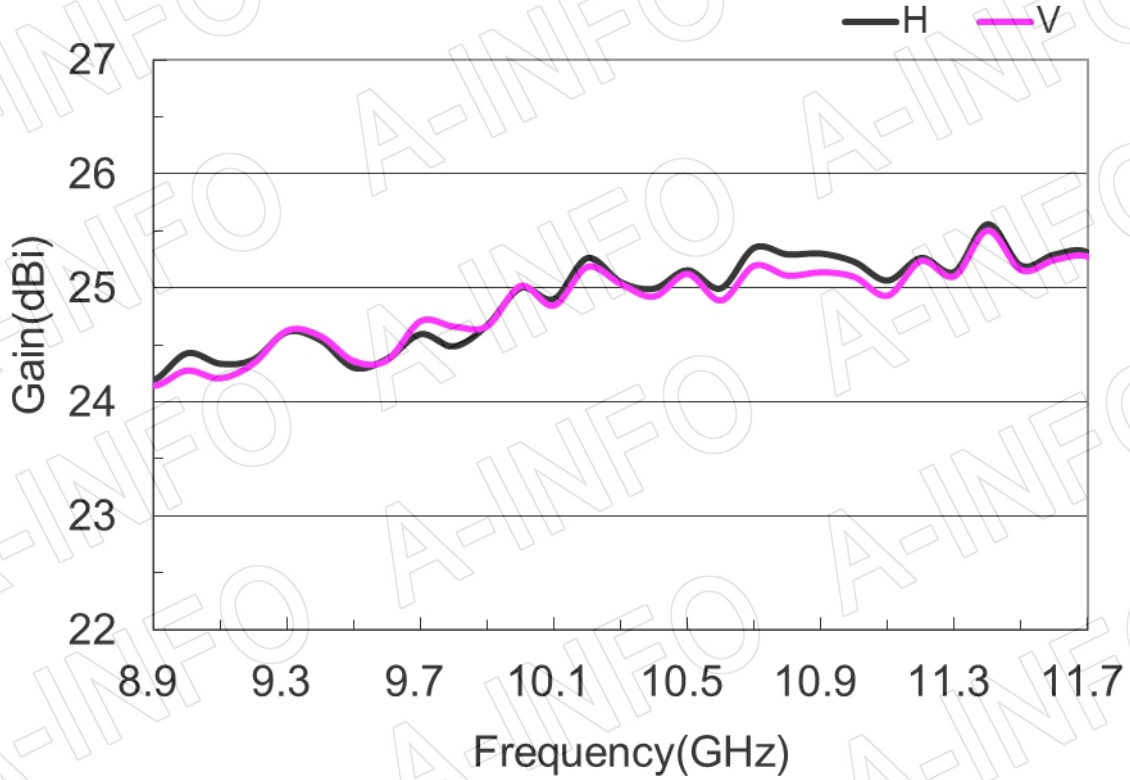
Page 4 of 14

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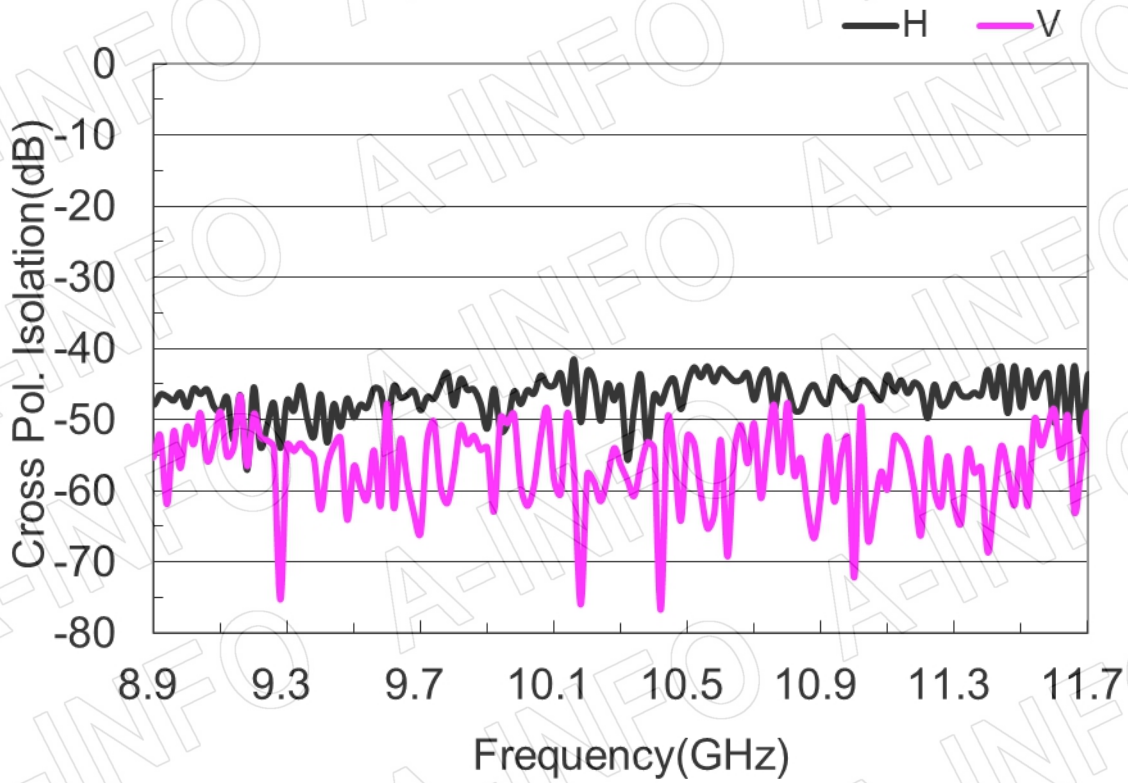
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Test Results

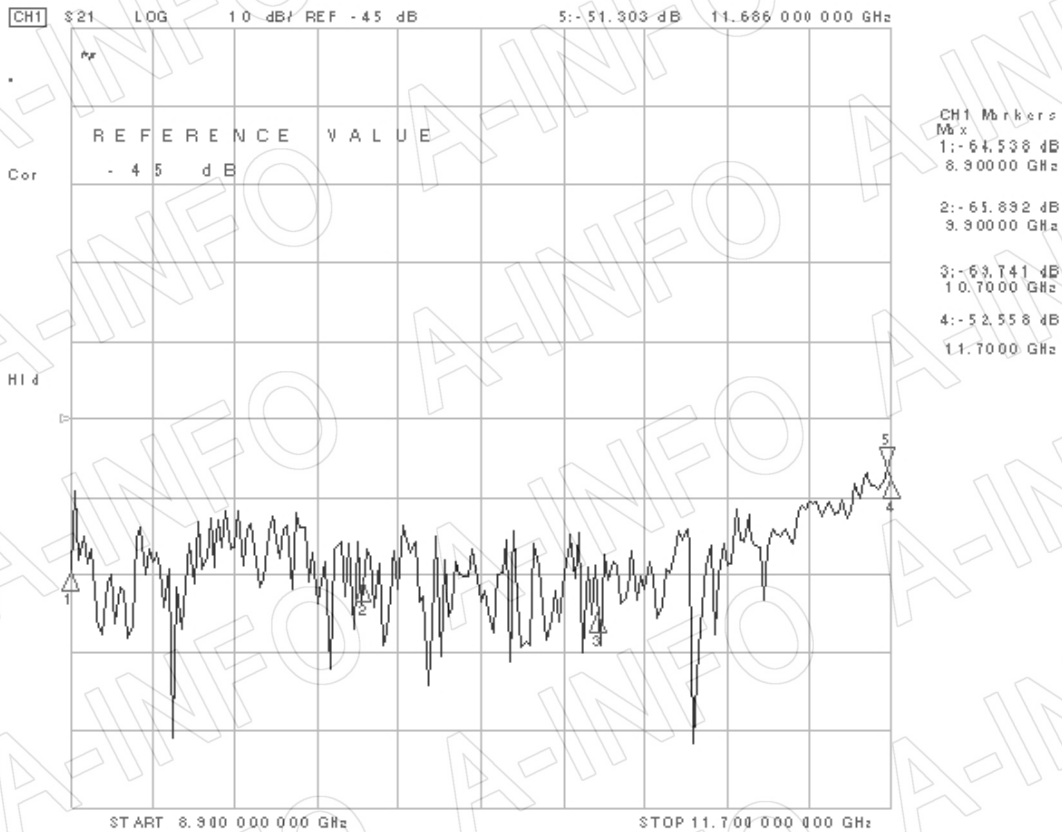
### 1. Gain & Antenna Factor



## 2. Cross Polarization Isolation

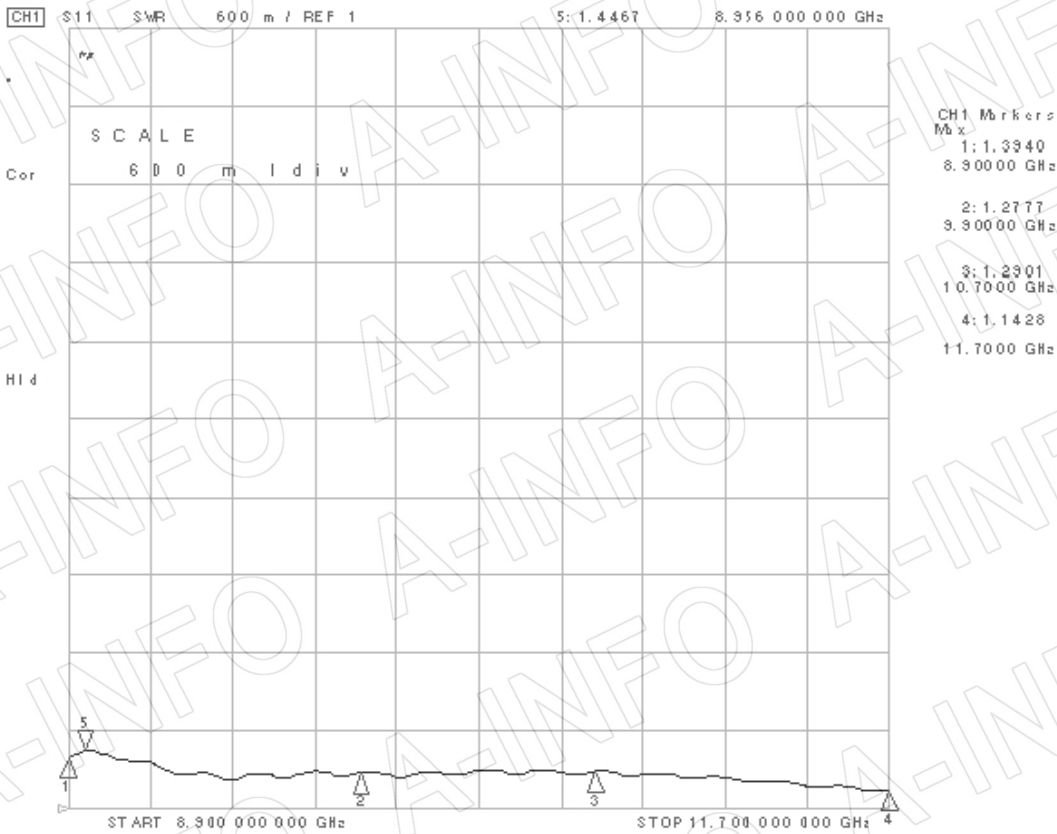


## 3. Port to Port Isolation

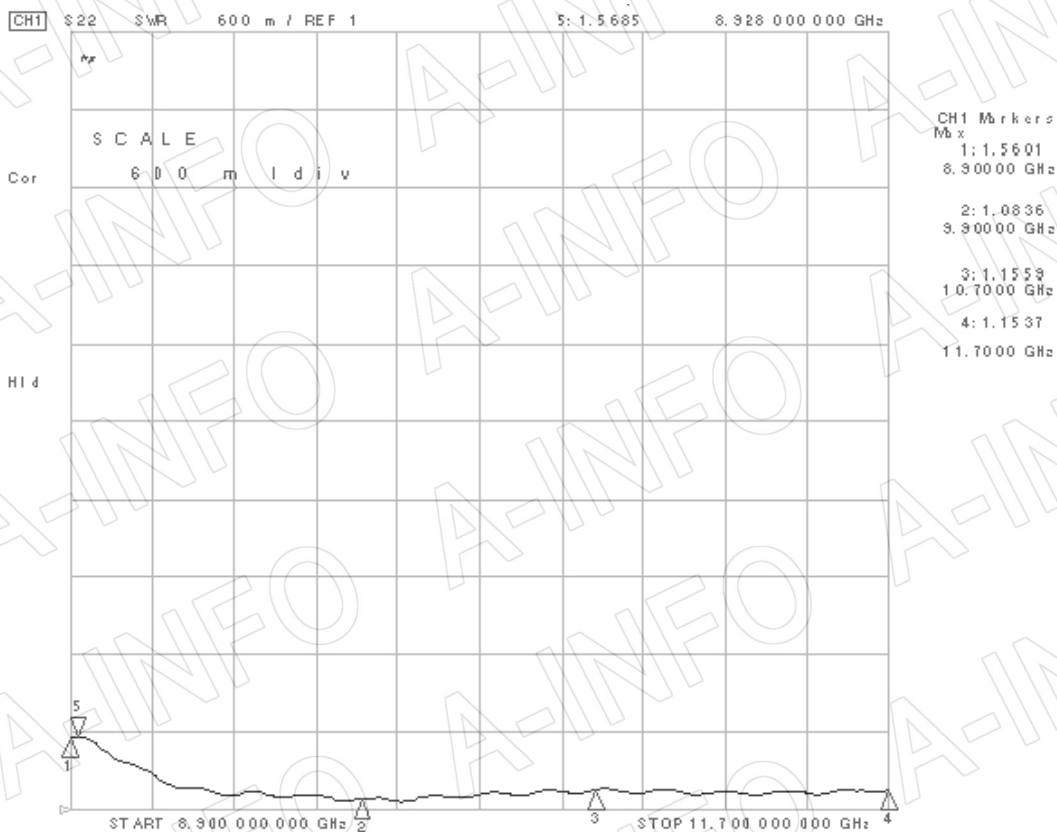


## 4. VSWR\_A Type

### Port-H

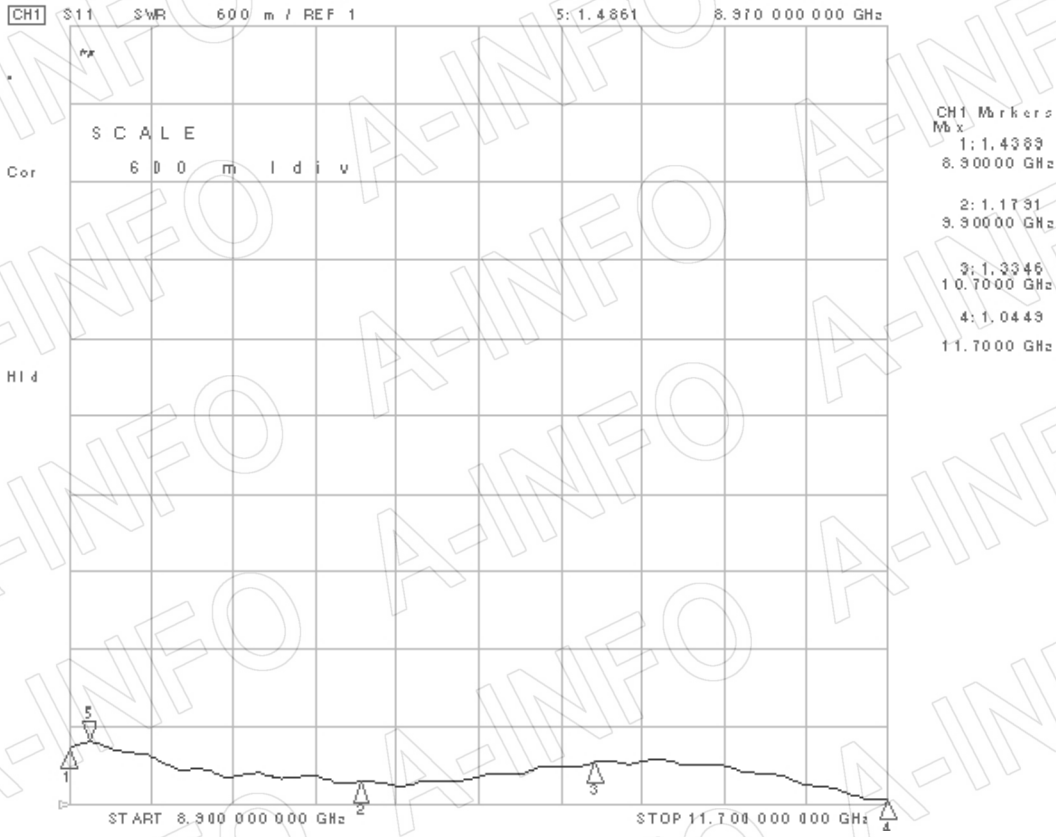


### Port-V

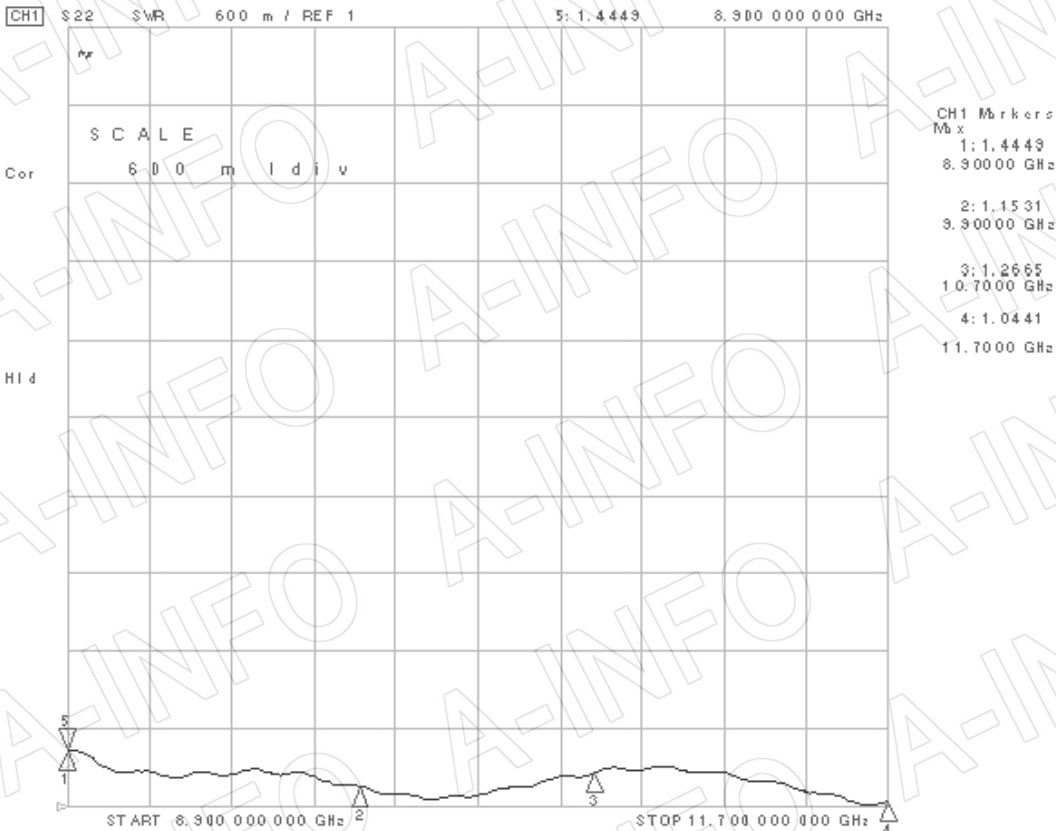


## VSWR\_C Type

### Port-H



### Port-V

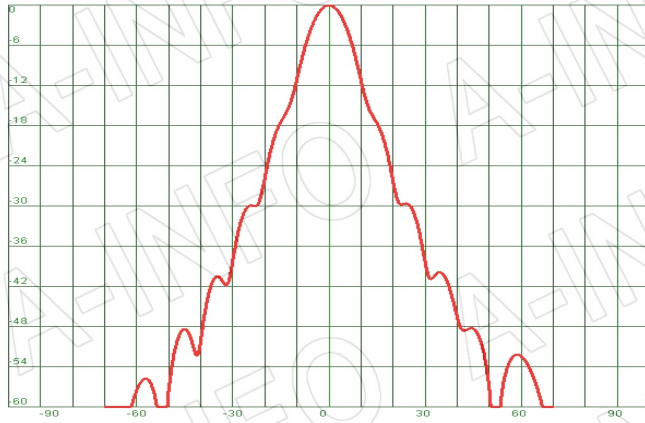




## 5. Pattern

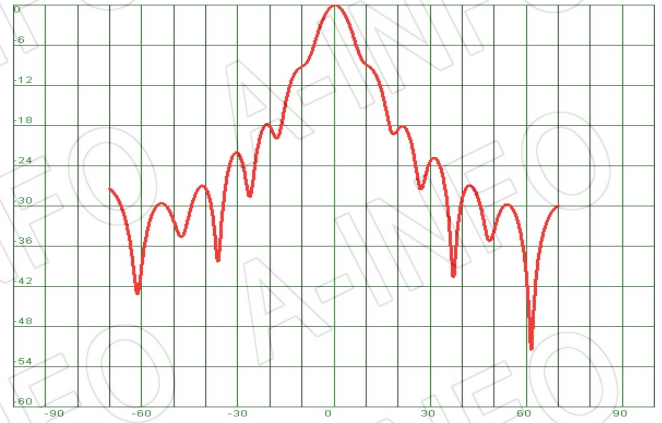
### Port-H

Frequency: 8.9GHz



H-Plane

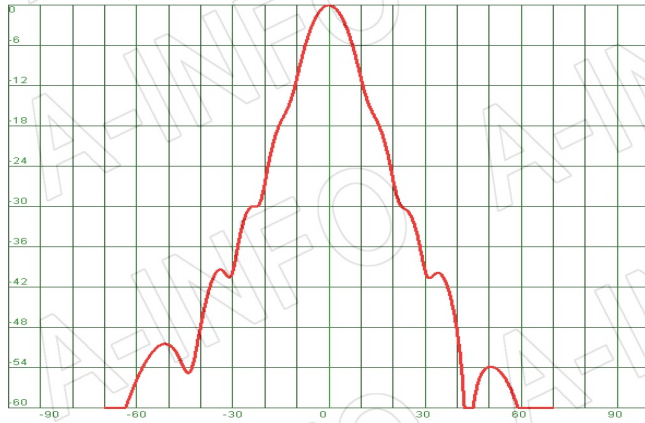
3dB Beamwidth (deg): 10.4



E-Plane

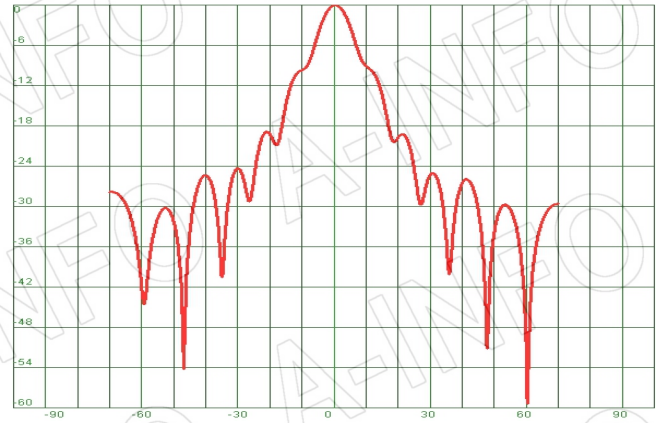
3dB Beamwidth (deg): 9.1

Frequency: 9.0GHz



H-Plane

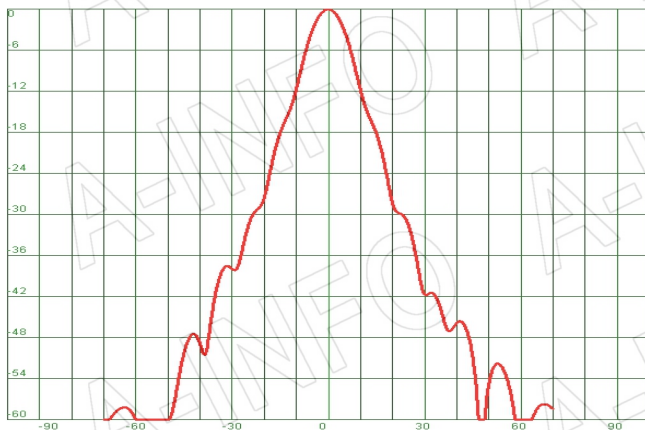
3dB Beamwidth (deg): 10.5



E-Plane

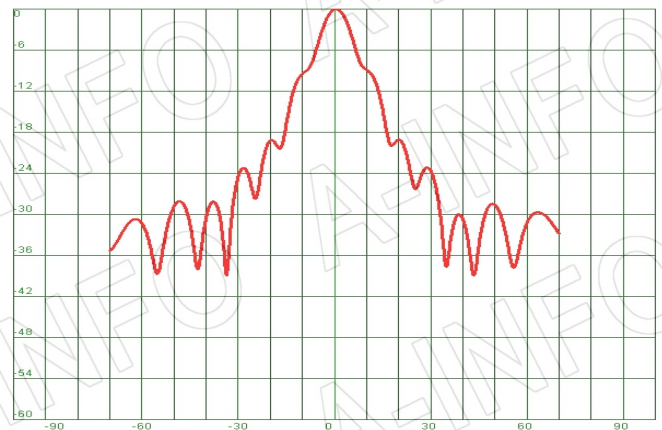
3dB Beamwidth (deg): 9.1

Frequency: 9.5GHz



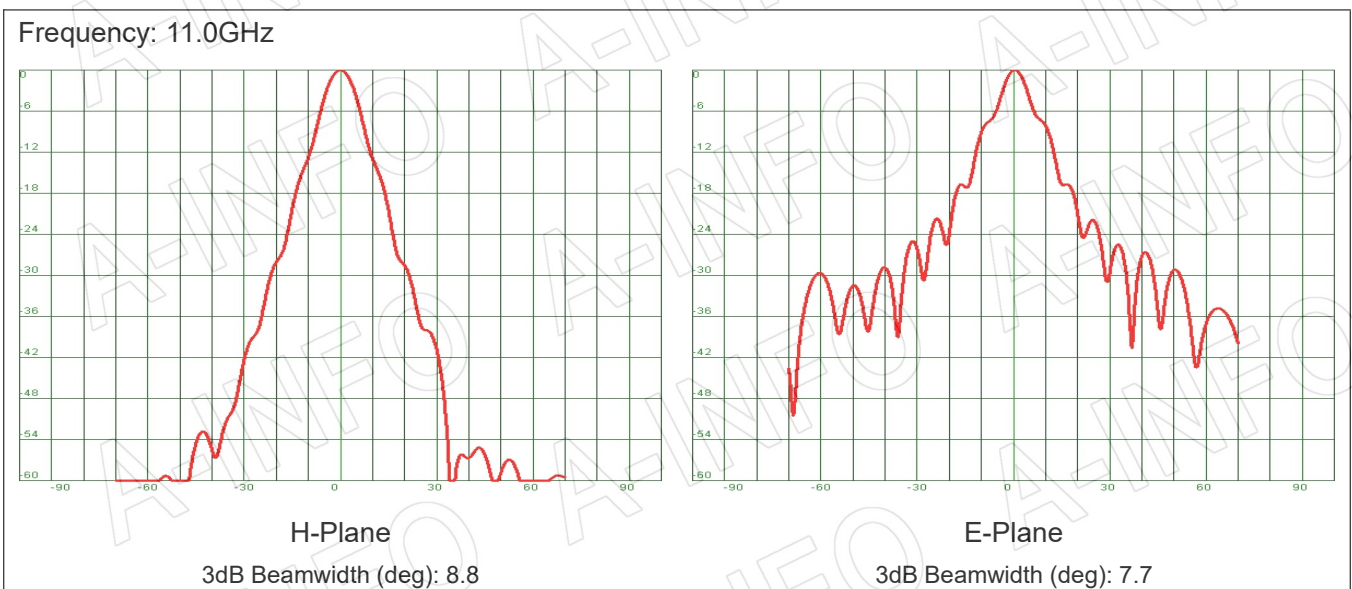
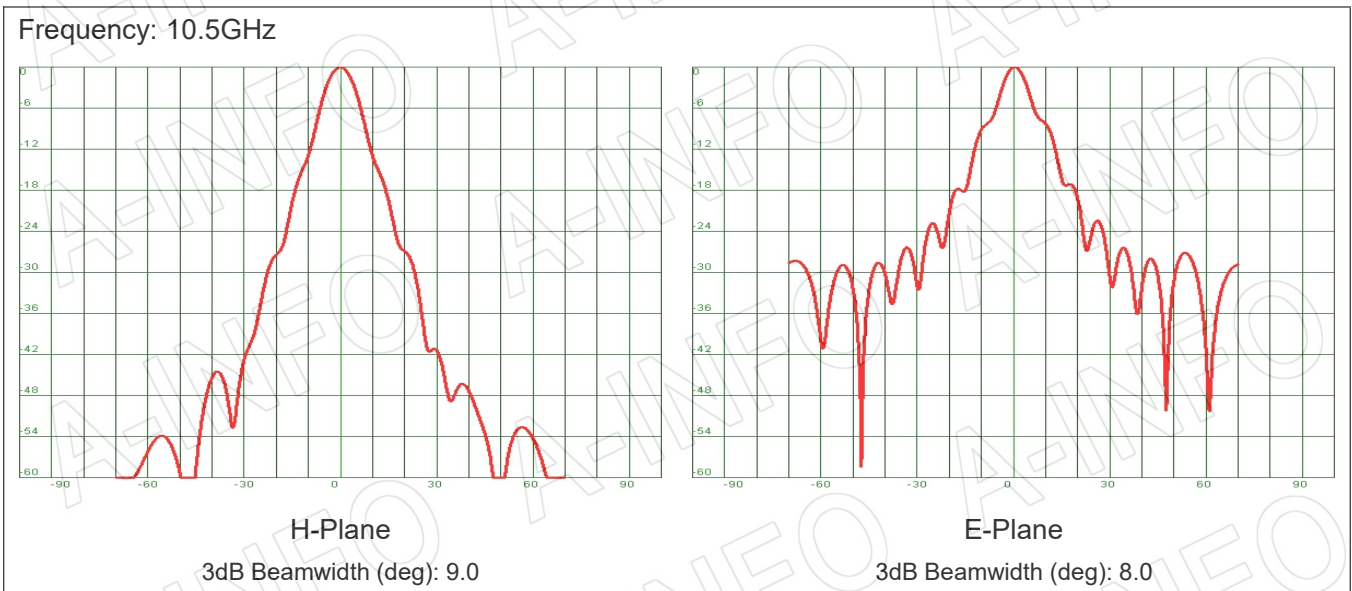
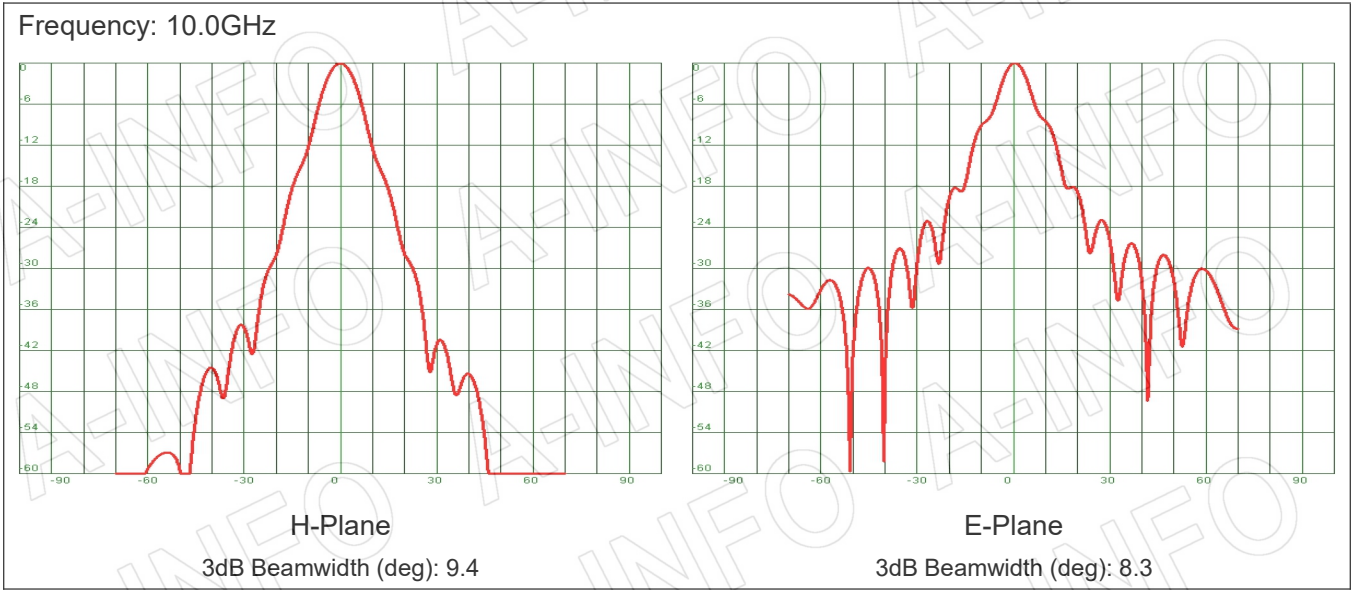
H-Plane

3dB Beamwidth (deg): 9.9

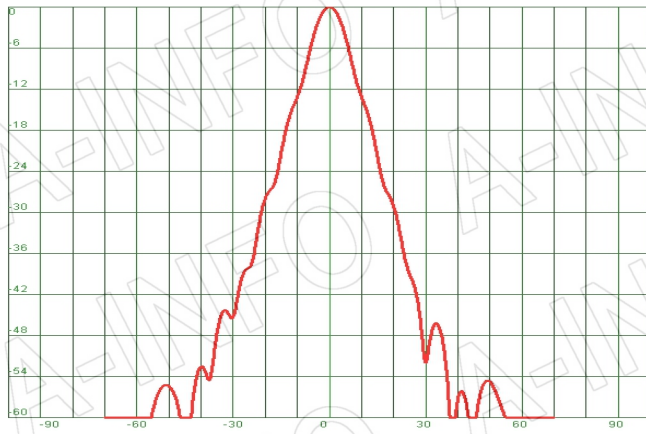


E-Plane

3dB Beamwidth (deg): 8.6

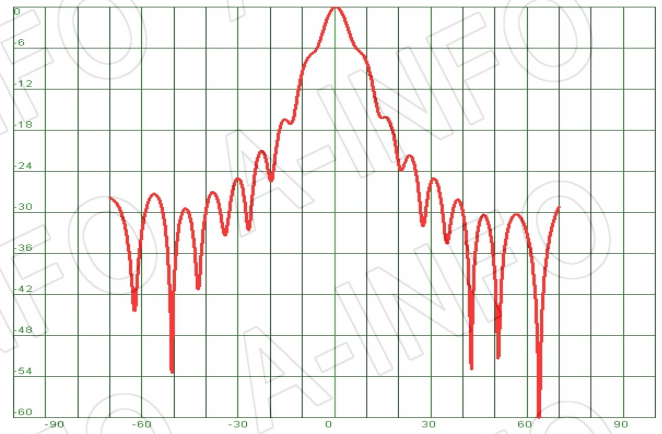


Frequency: 11.5GHz



H-Plane

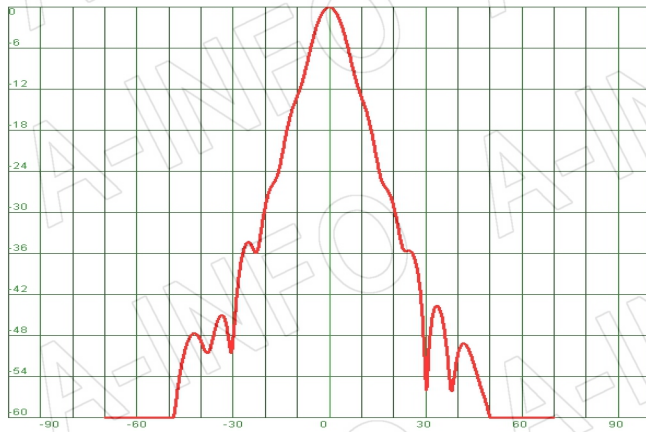
3dB Beamwidth (deg): 8.4



E-Plane

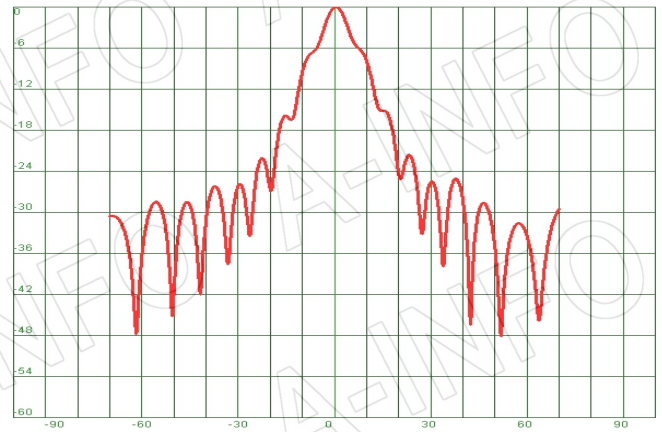
3dB Beamwidth (deg): 7.5

Frequency: 11.7GHz



H-Plane

3dB Beamwidth (deg): 8.3

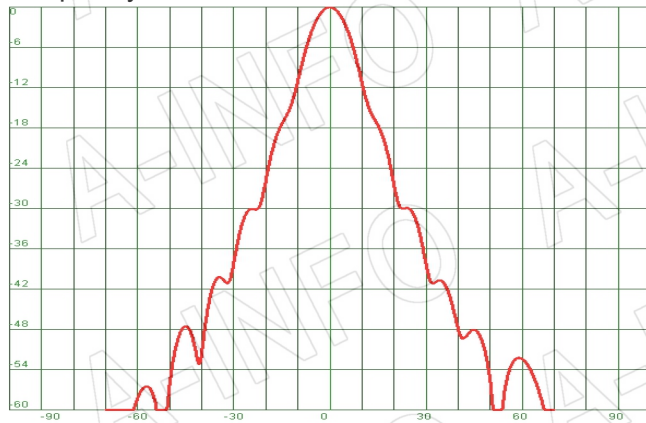


E-Plane

3dB Beamwidth (deg): 7.4

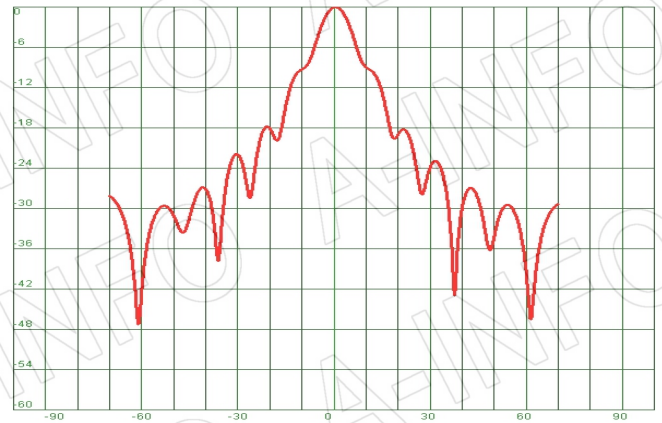
## Port-V

Frequency: 8.9GHz



H-Plane

3dB Beamwidth (deg): 10.4



E-Plane

3dB Beamwidth (deg): 9.2

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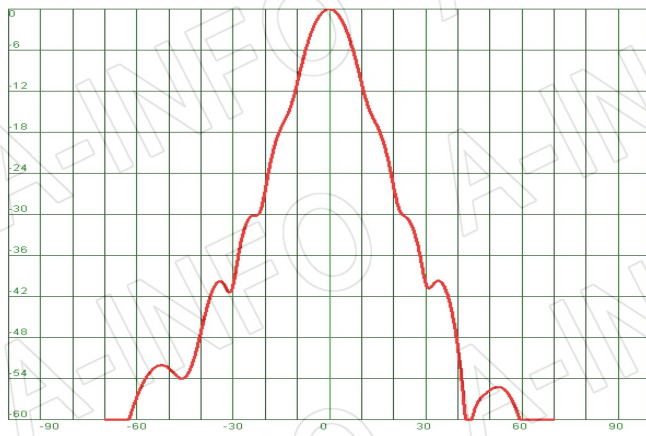
China(Beijing): Tel: (+86) 10-6266-7326,  
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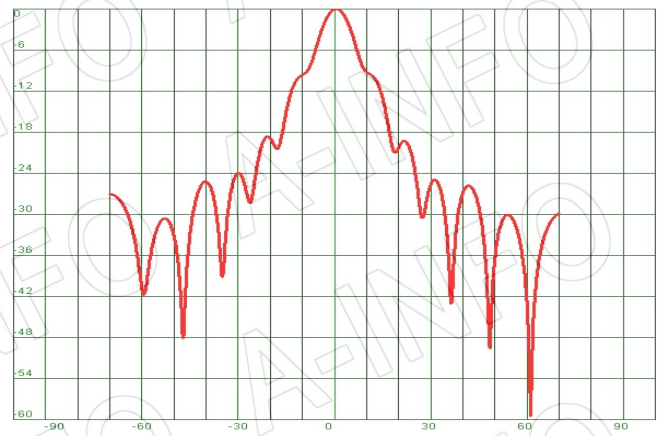
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Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

Frequency: 9.0GHz



H-Plane

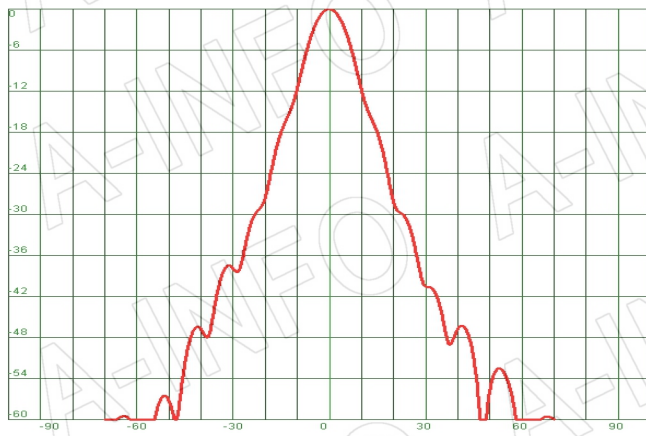
3dB Beamwidth (deg): 10.7



E-Plane

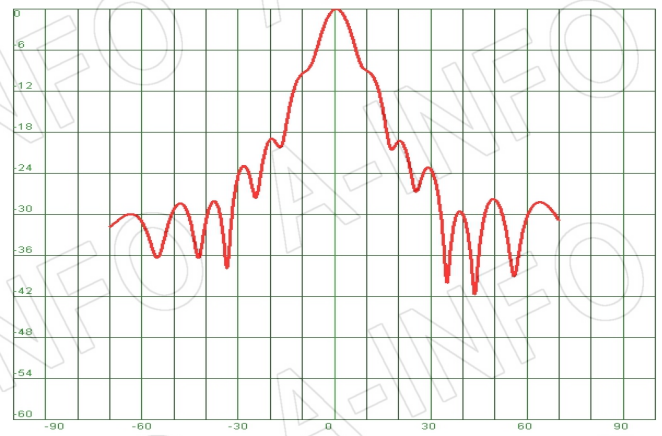
3dB Beamwidth (deg): 9.1

Frequency: 9.5GHz



H-Plane

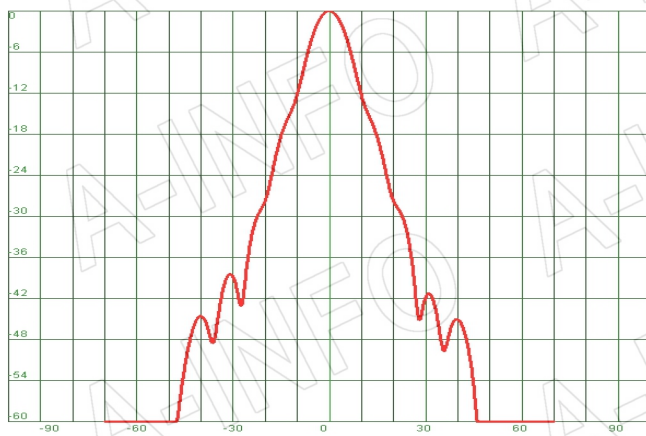
3dB Beamwidth (deg): 10.0



E-Plane

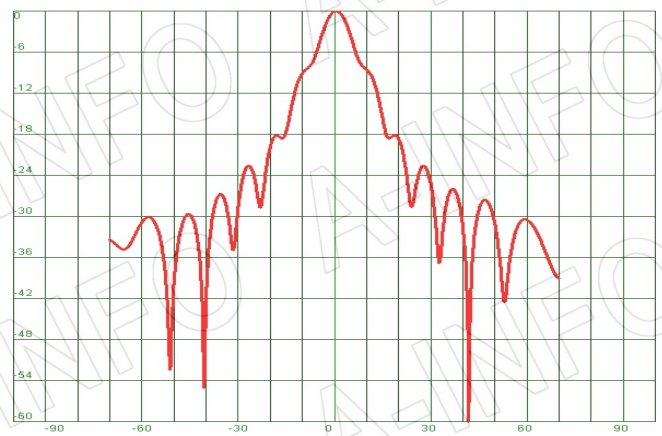
3dB Beamwidth (deg): 8.6

Frequency: 10.0GHz



H-Plane

3dB Beamwidth (deg): 9.5



E-Plane

3dB Beamwidth (deg): 8.3

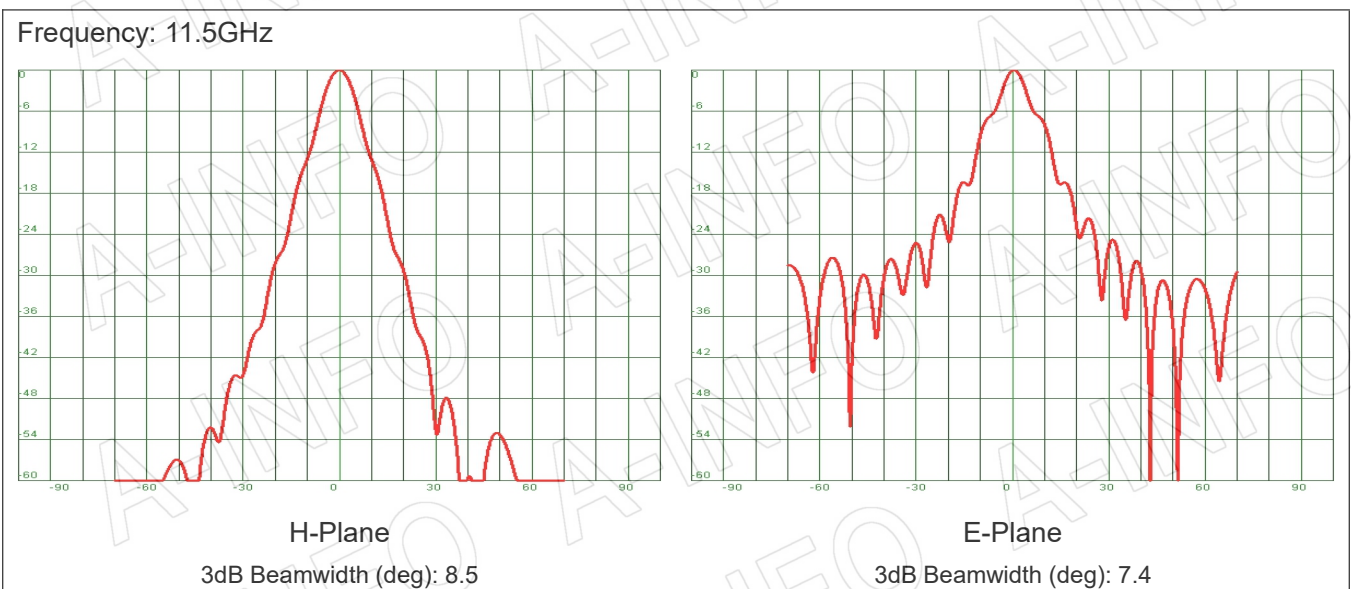
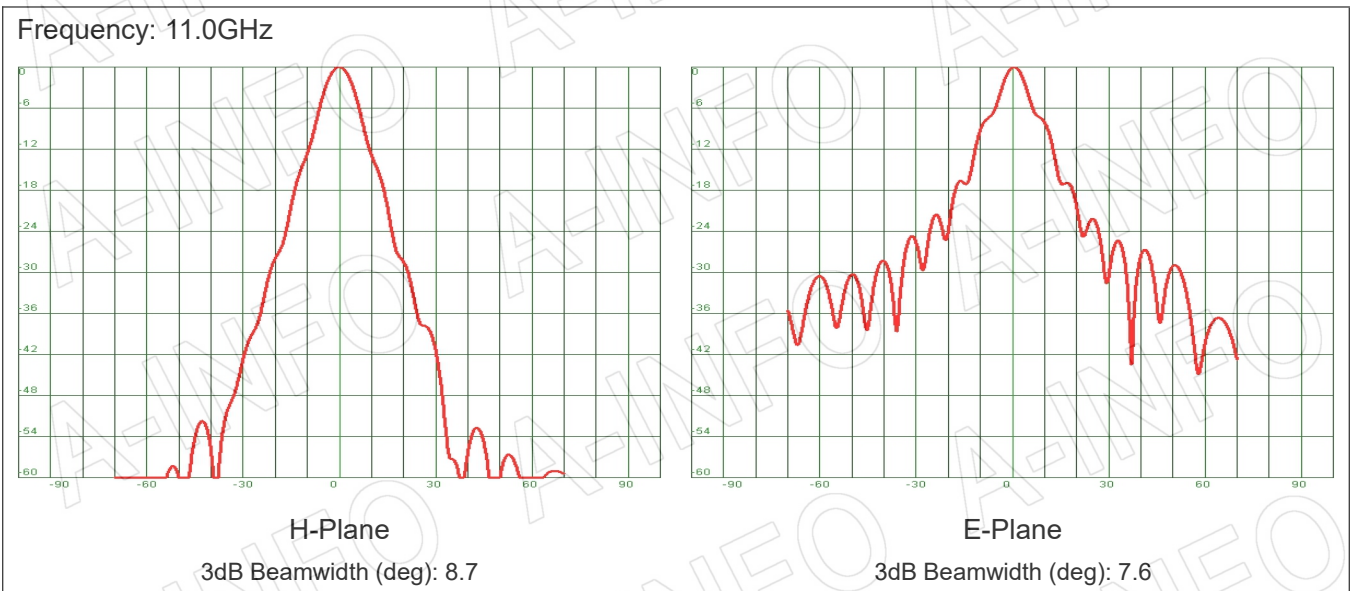
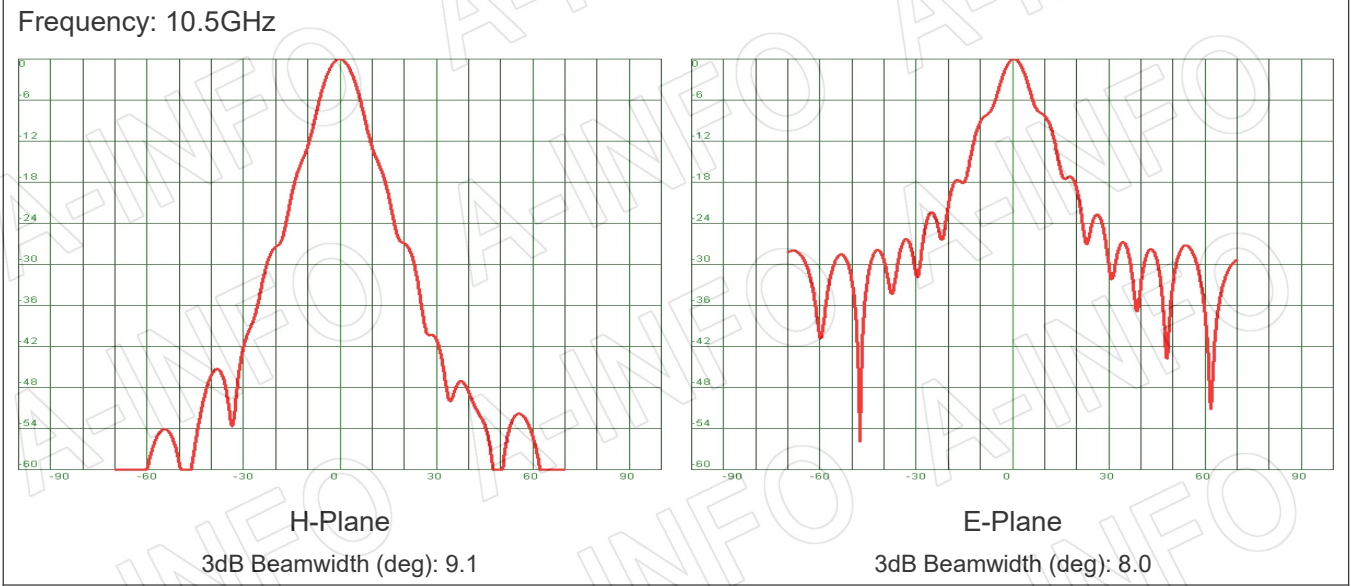
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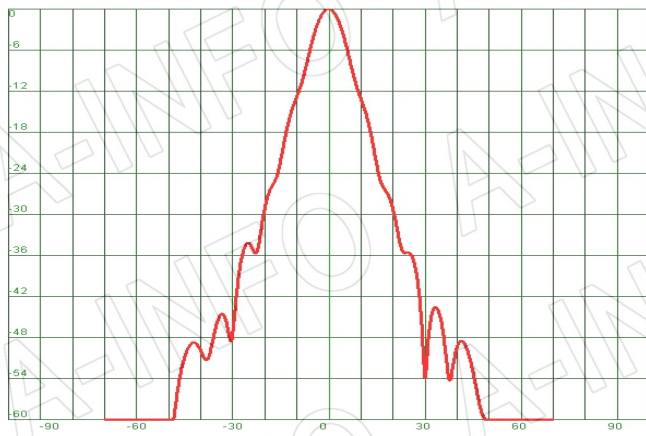
Page 12 of 14

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Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

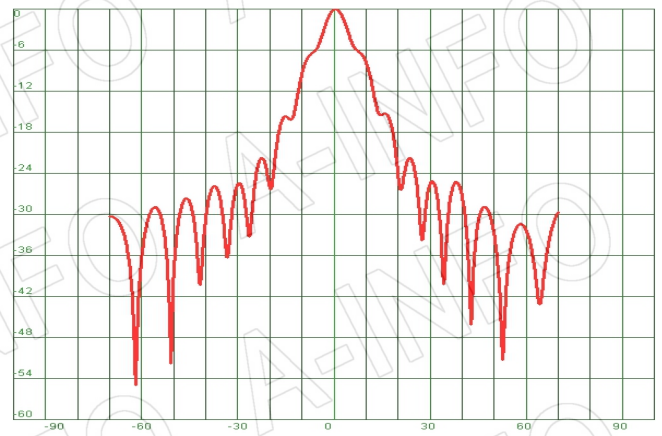


Frequency: 11.7GHz



H-Plane

3dB Beamwidth (deg): 8.2



E-Plane

3dB Beamwidth (deg): 7.4

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