

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

## Technical Specification



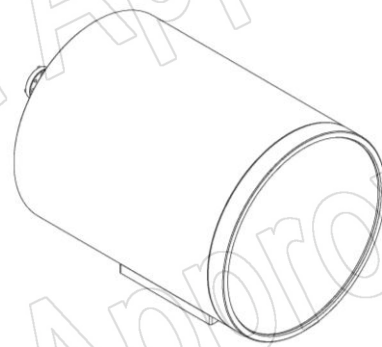
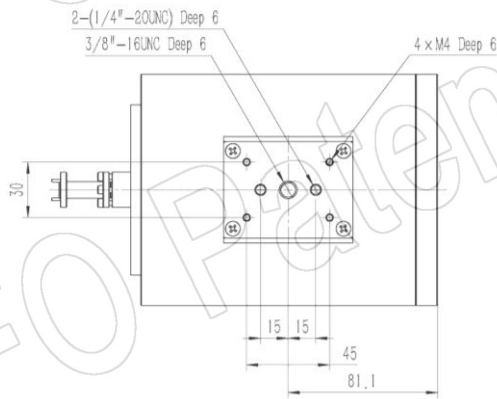
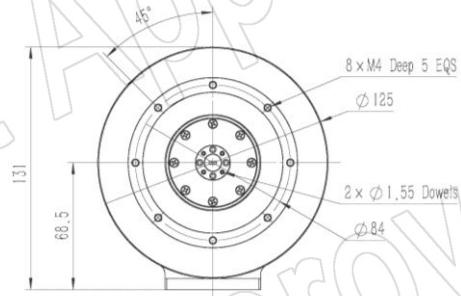
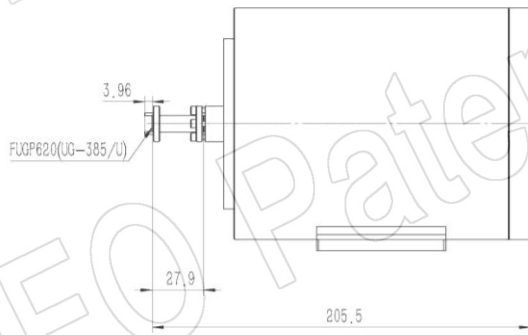
Frequency Range(GHz)	A Type, WG output: 50.0 – 75.0
	C Type, 1.0mm-F: 50.0 – 75.0
	C Type, 1.85mm-F: 50.0 – 65.0
Waveguide	WR15
Gain(dBi)	34.5 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E-Plane: 3.0 Typ.
	H-Plane: 3.0 Typ.
Sidelobe Level(dB)	E-Plane: 28 Typ.
	H-Plane: 28 Typ.
Cross Pol. Isolation(dB)	40 Typ.
VSWR	A Type: 1.80:1 Max.
	C Type: 2.20:1 Max.
Output	A Type: FUGP620(UG-385/U)
	C Type: 1.0mm-Female or 1.85mm-Female
Feed Antenna Type	Corrugated Horn
Material	Cu
Size(mm)	A Type: 125 x 131 x 205.5
	C Type: 125 x 131 x 230.9
Net Weight(Kg)	A Type: 1.22 Around
	C Type: 1.25 Around

**PATENT ID (China)**

**ZL202120619530.X, ZL202130167433.7**

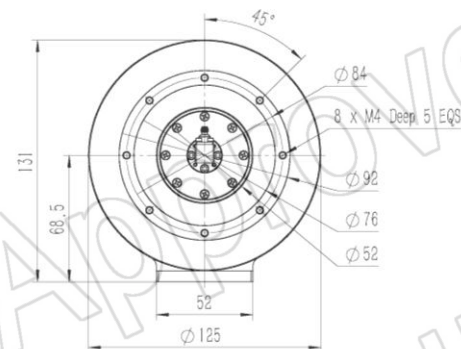
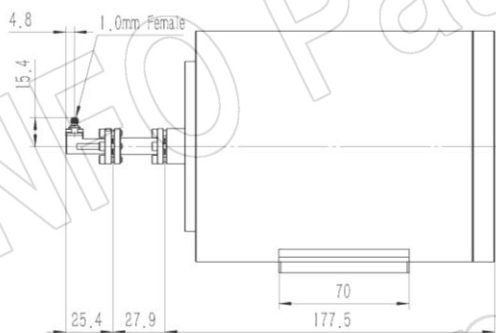
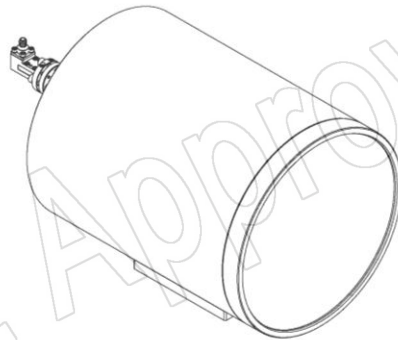
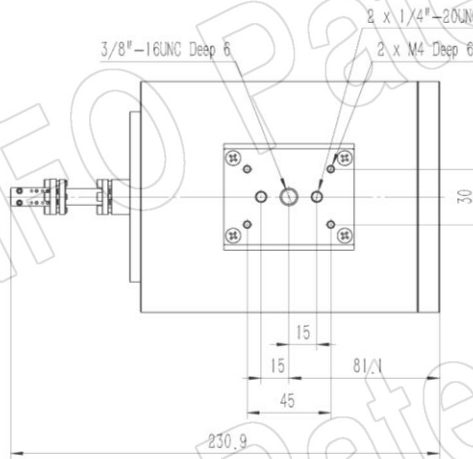
## Outline Drawing (Size: mm)

FUGP620 Output (P/N: LB-GL-15-30-A)

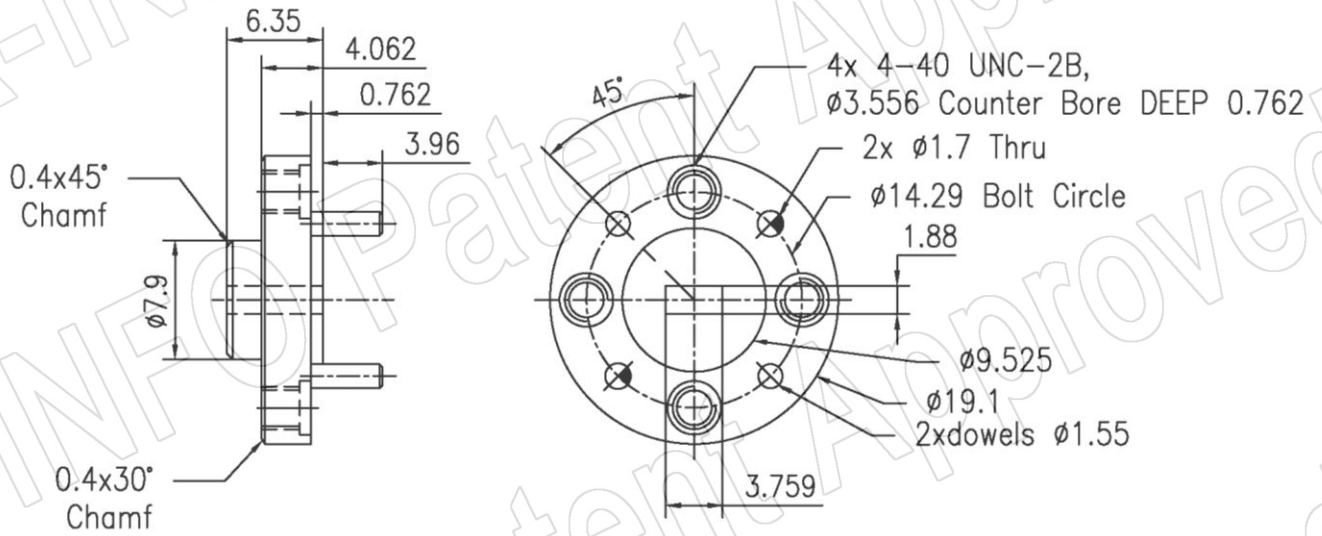


## 1.0mm-Female Output (P/N: LB-GL-15-30-C-1.0F)

For 1.85mm-Female output outline drawing, please contact A-INFO.



## Flange Drawing (Size: mm)



FUGP620

(equivalent to UG-385/U)

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China(Chengdu):  
USA :

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Tel: (+1) 949-639-9688,

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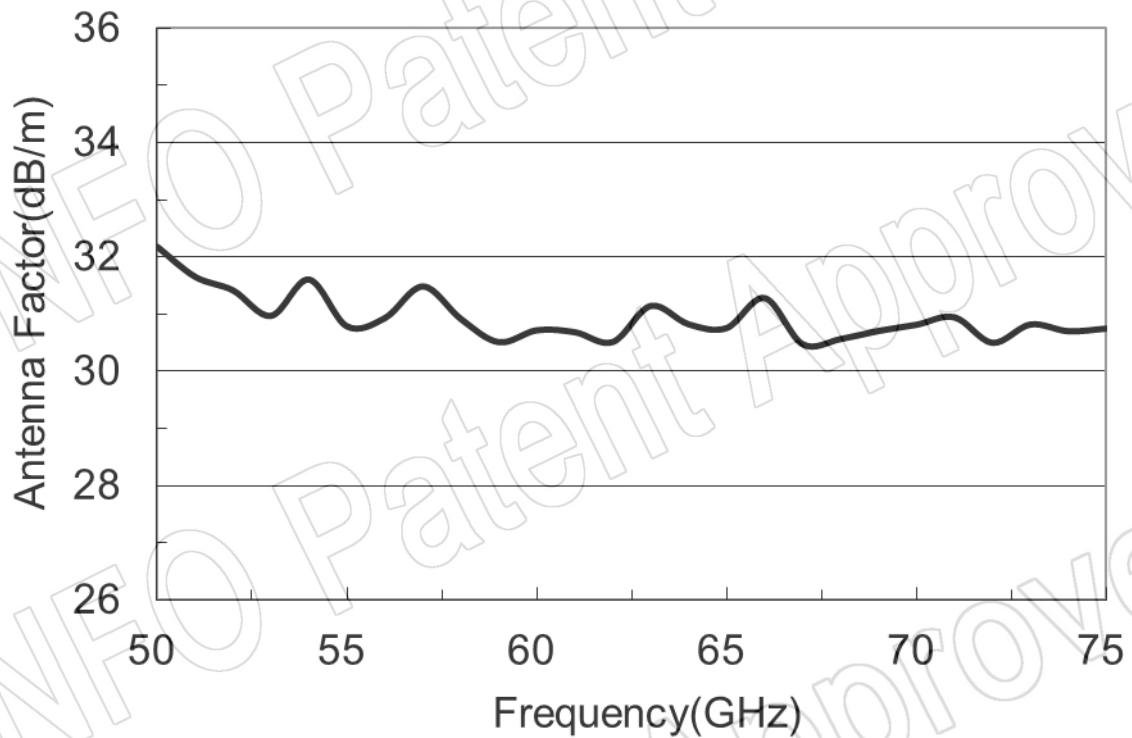
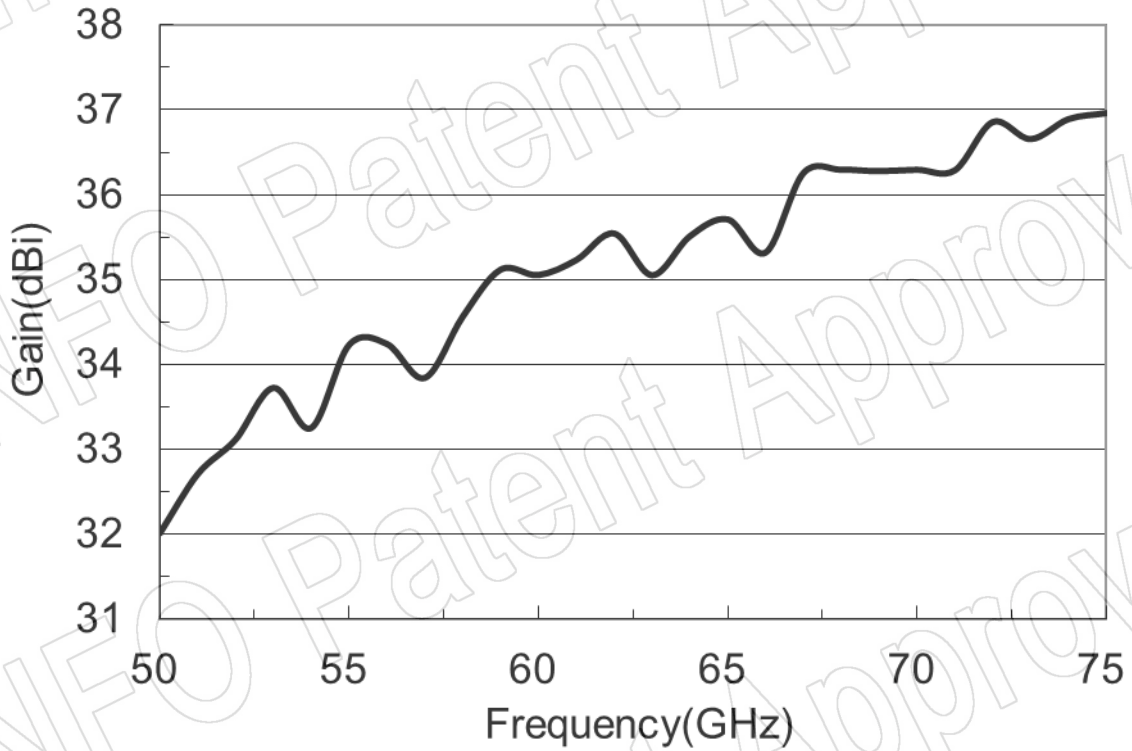
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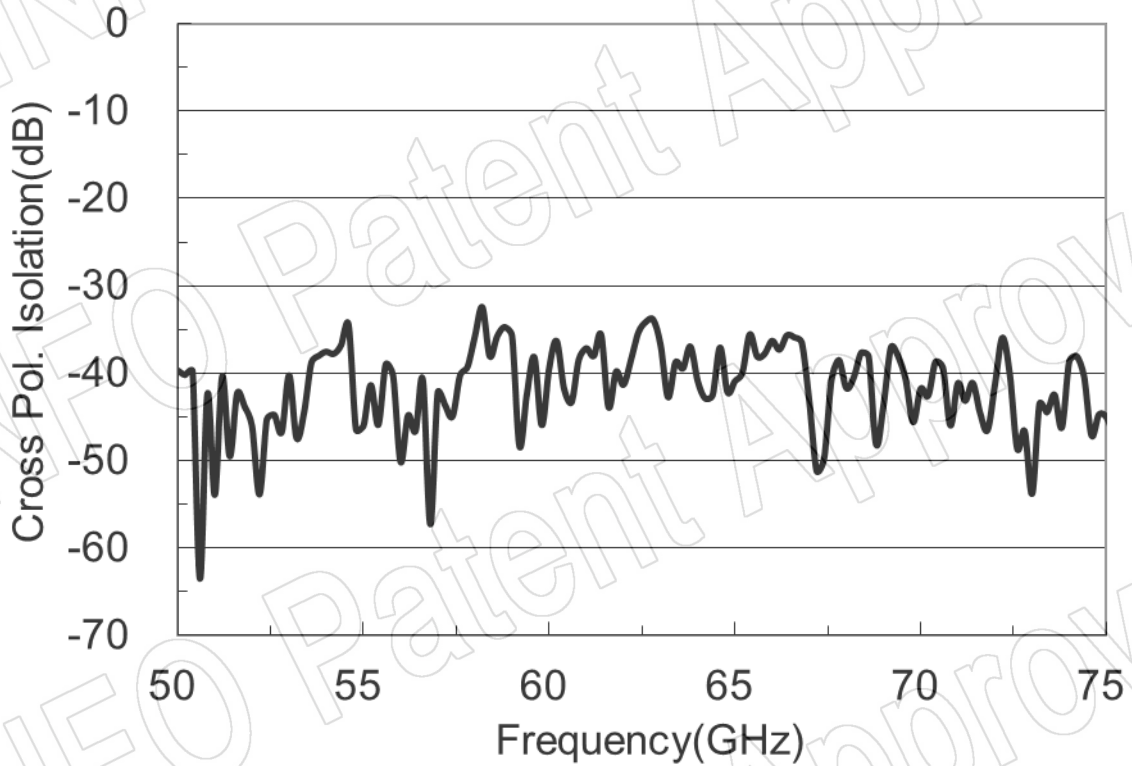
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Test Results

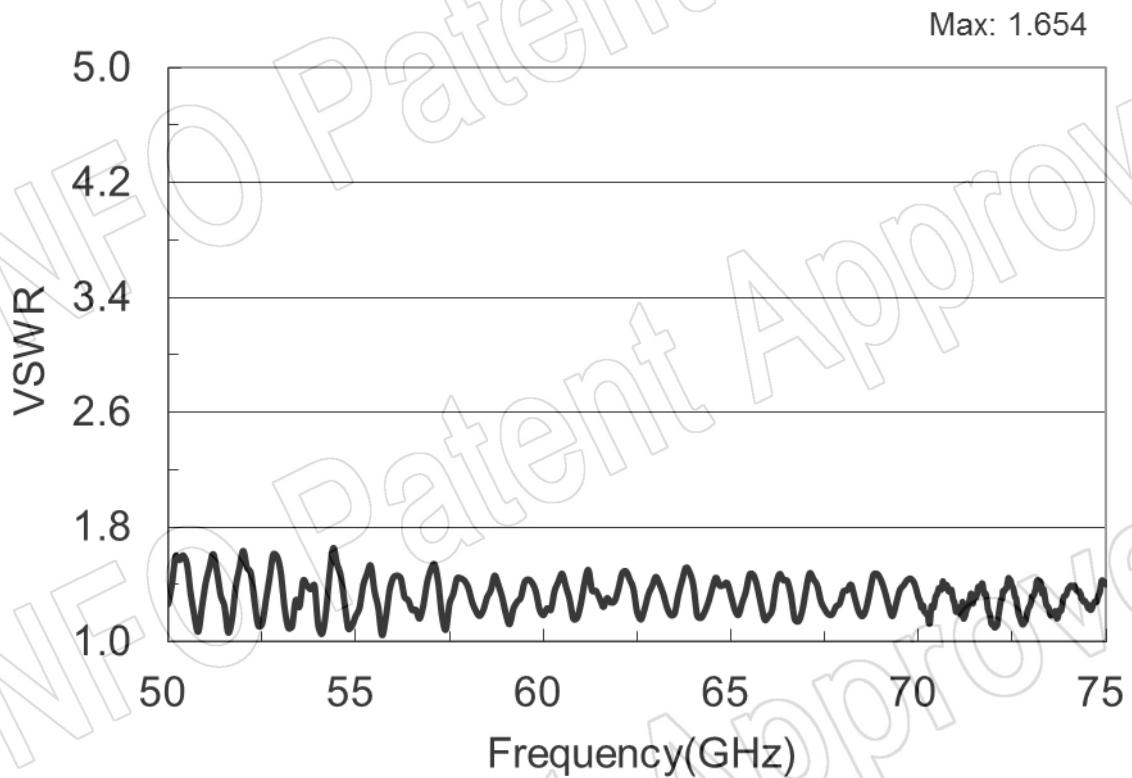
### 1. Gain & Antenna Factor



## 2. Cross Polarization Isolation

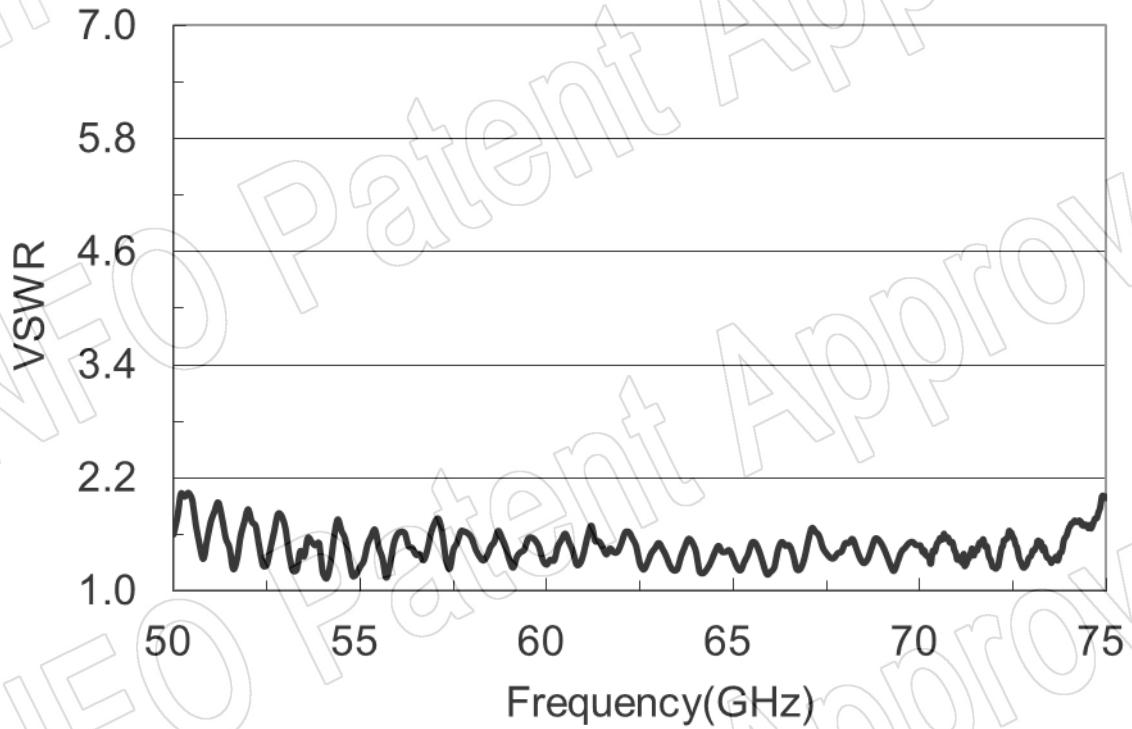


## 3. VSWR\_A Type

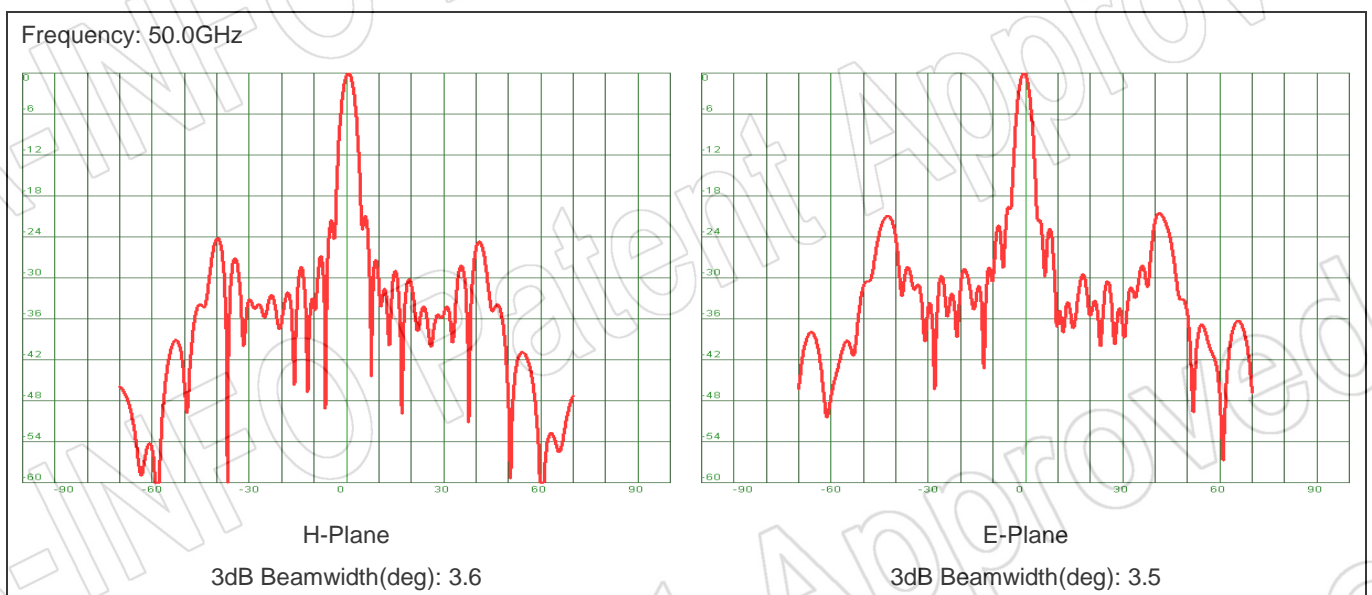


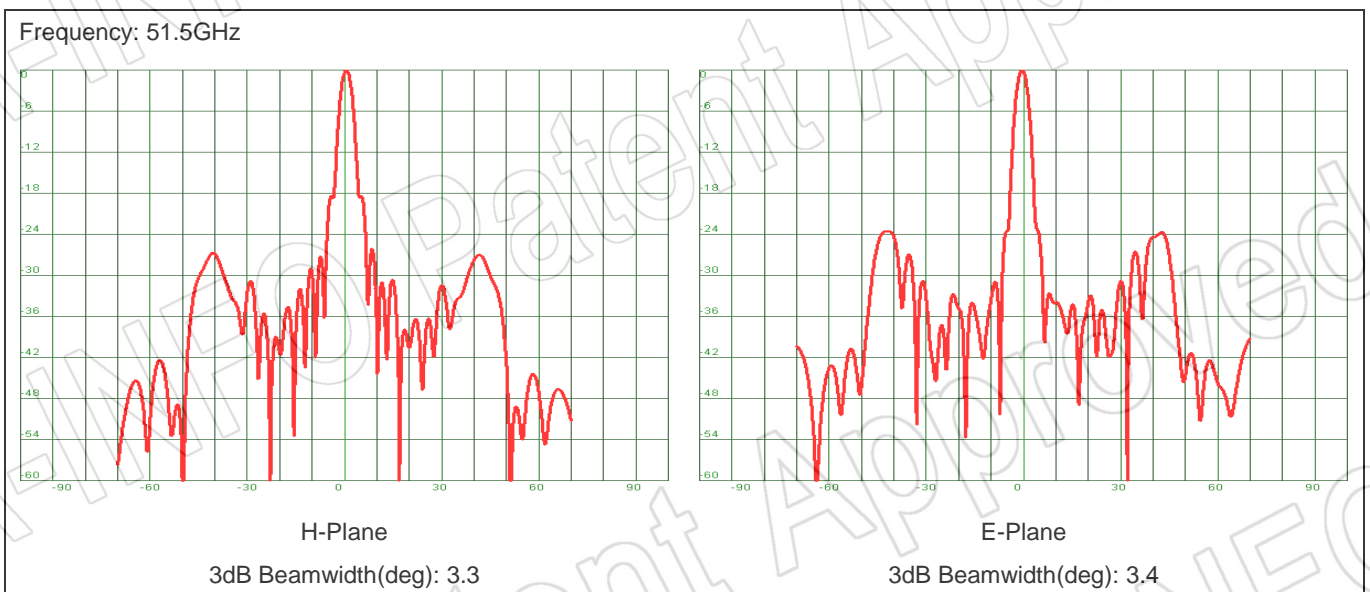
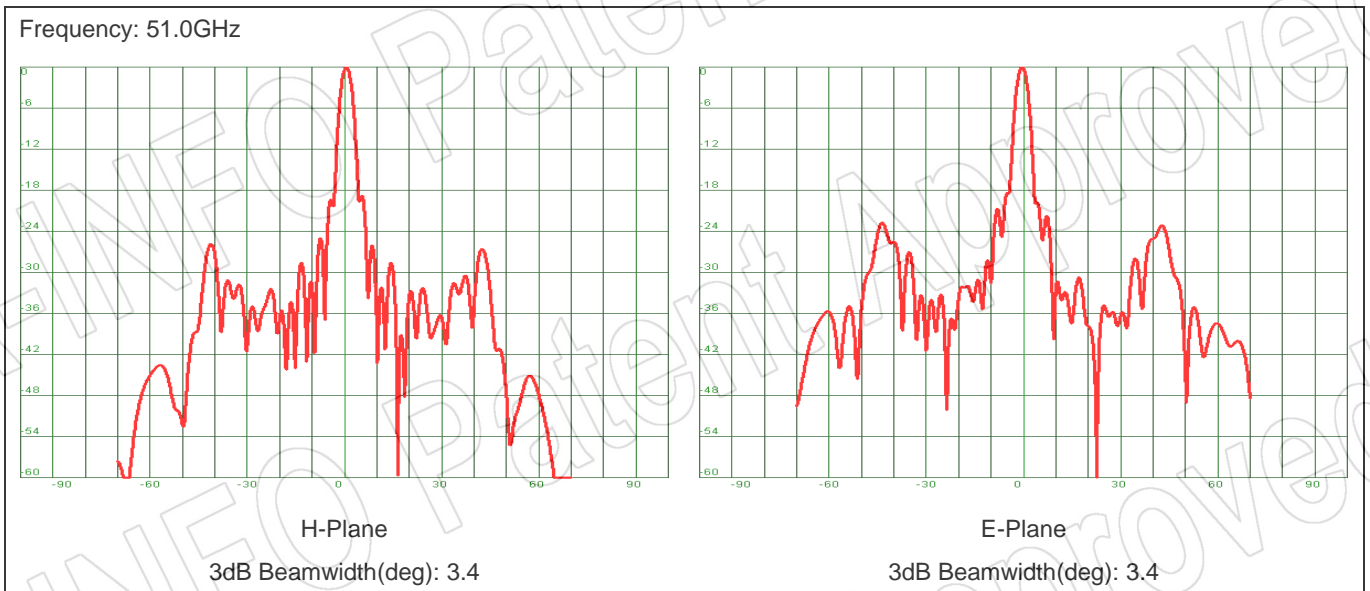
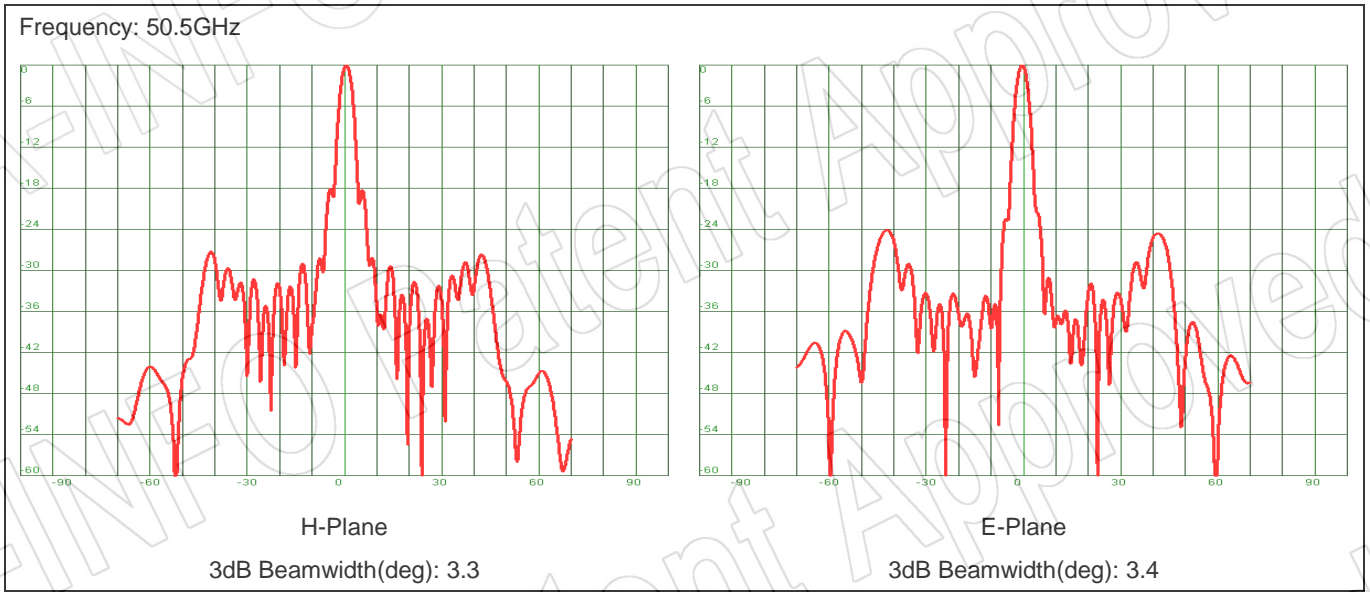
**VSWR\_C Type**

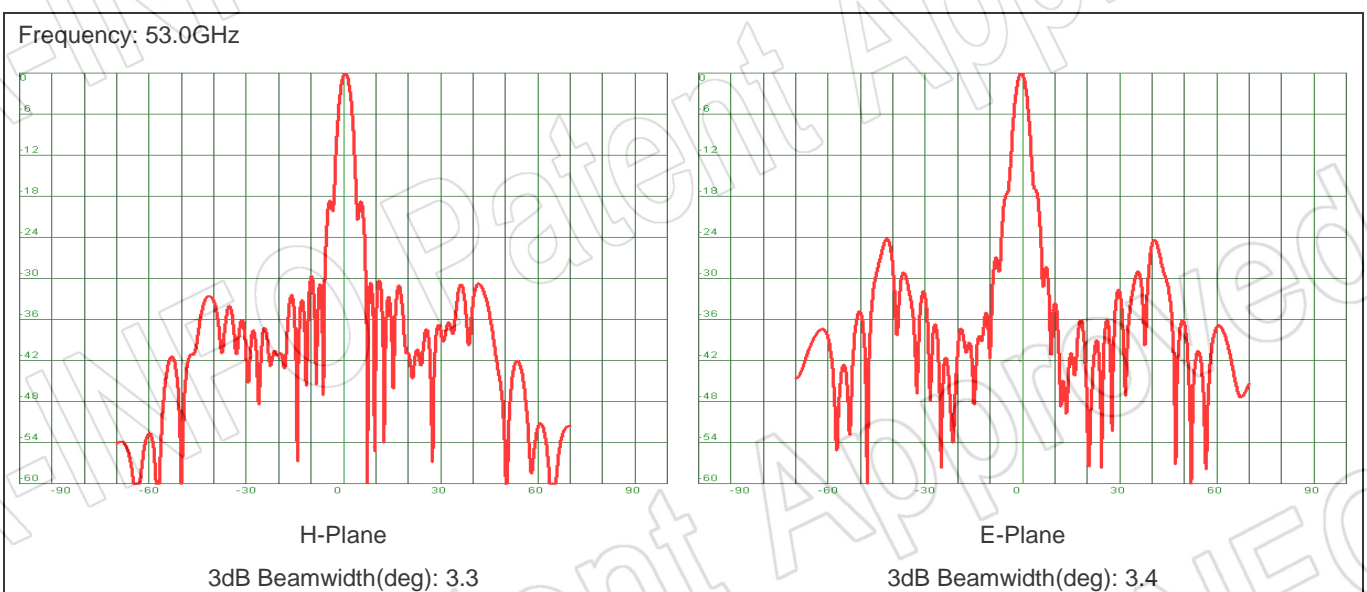
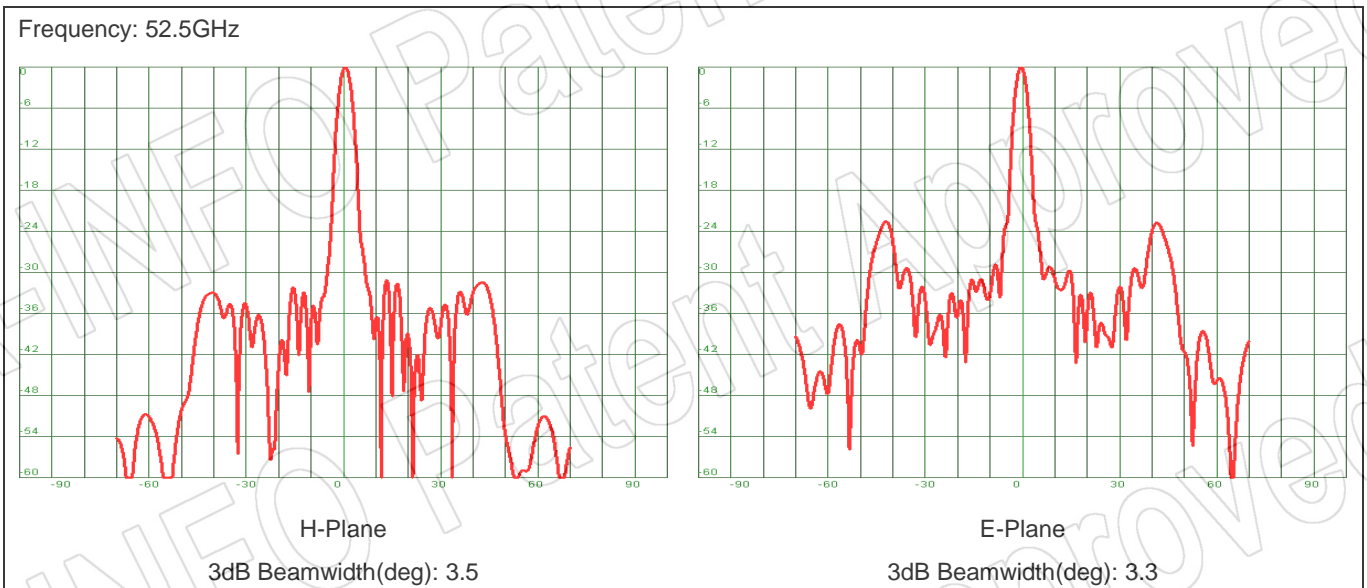
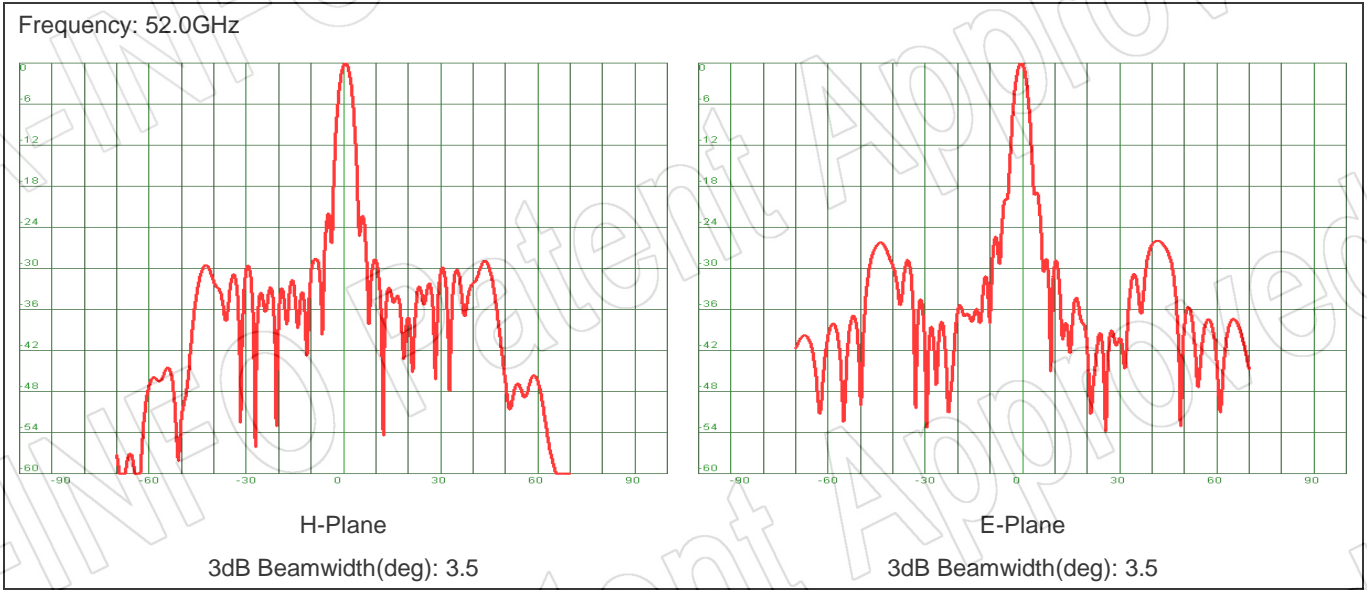
Max: 2.044



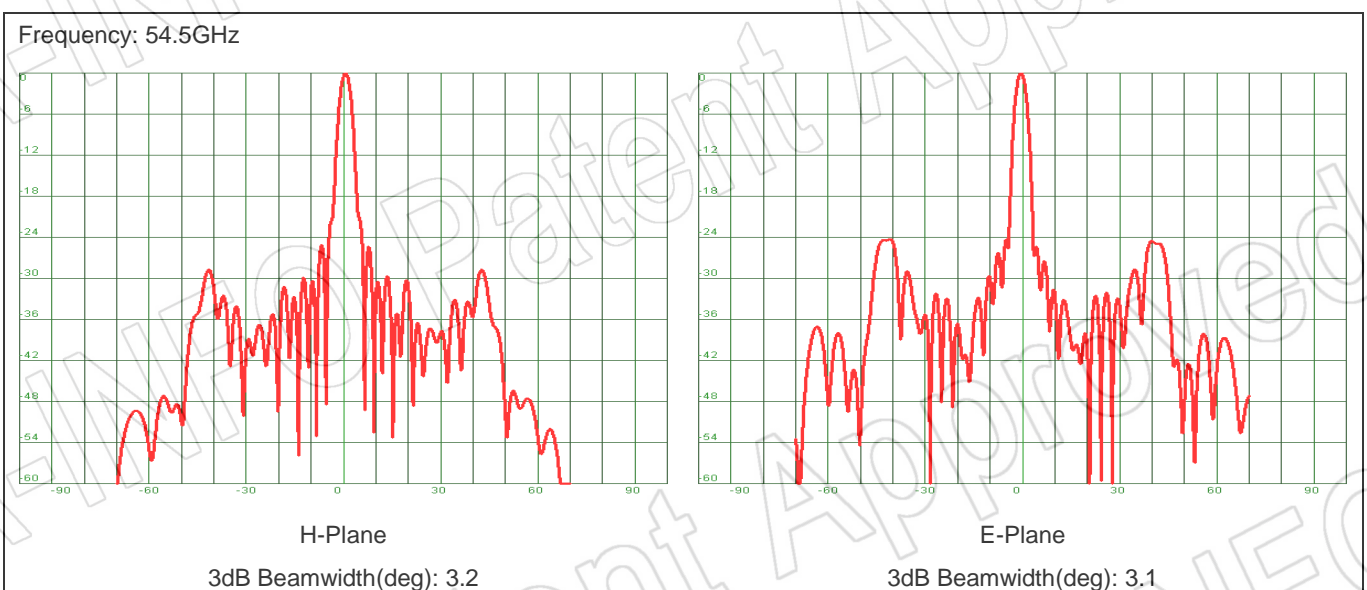
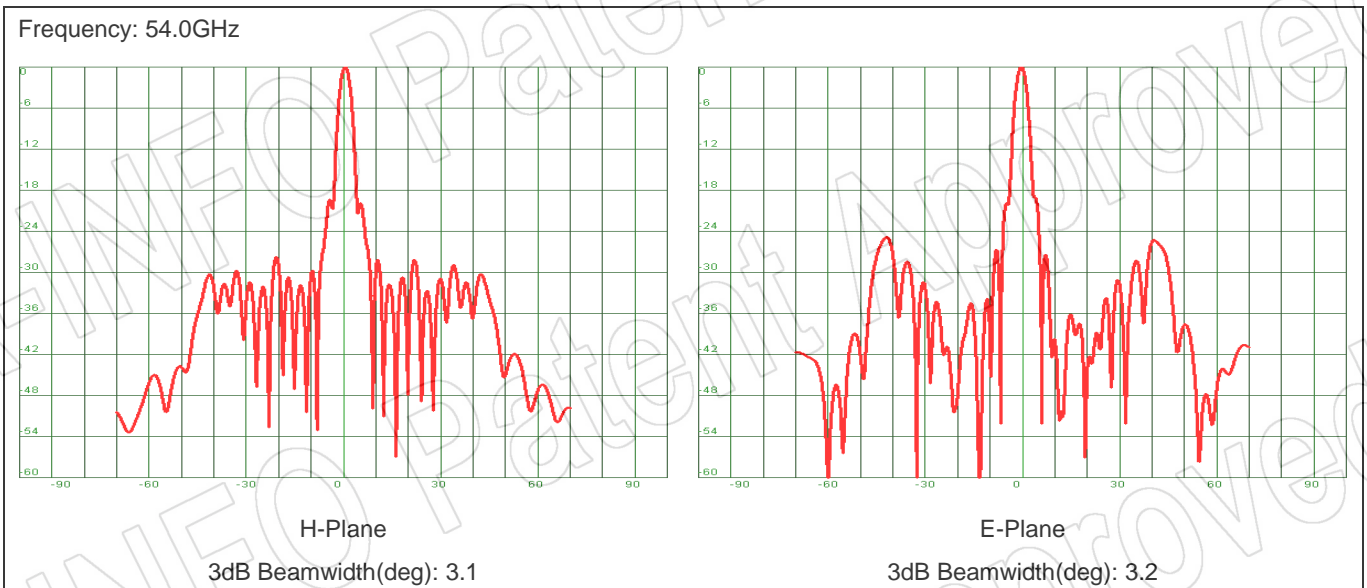
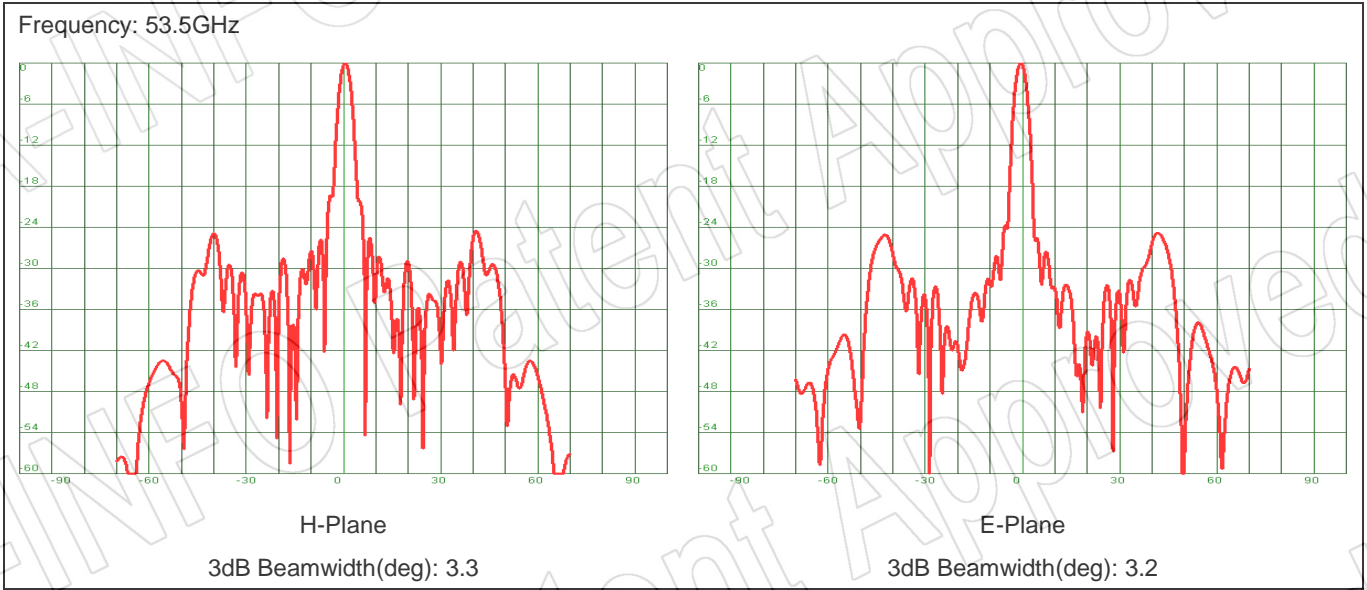
**4. Pattern**

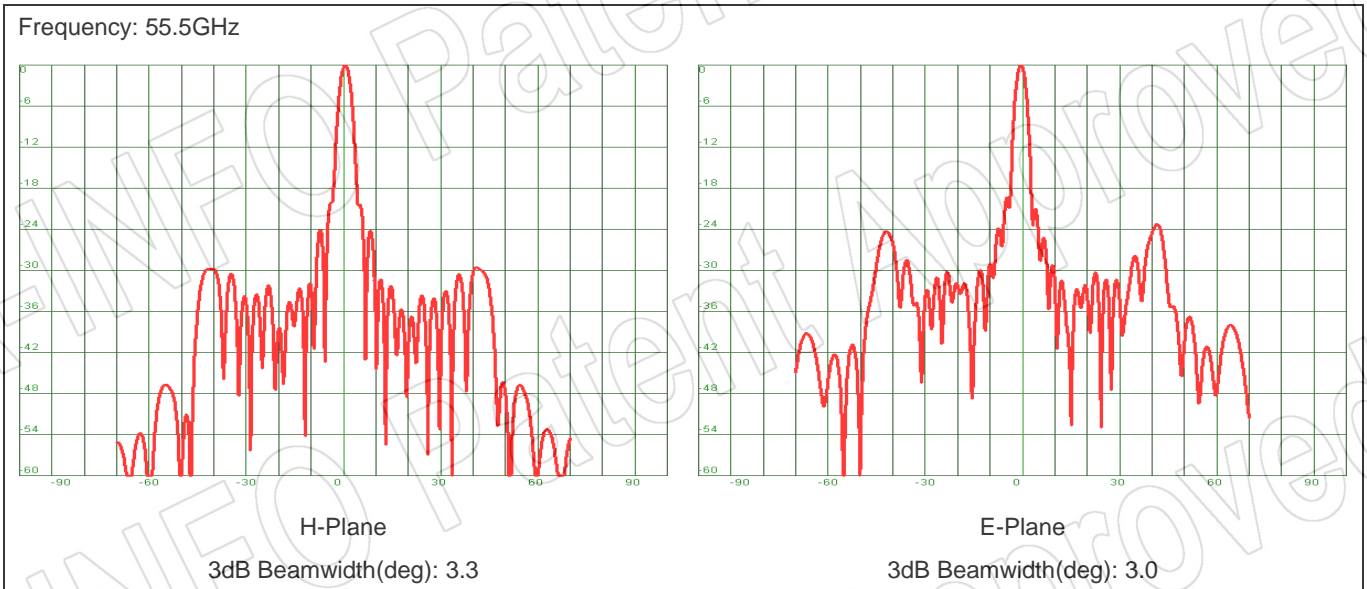
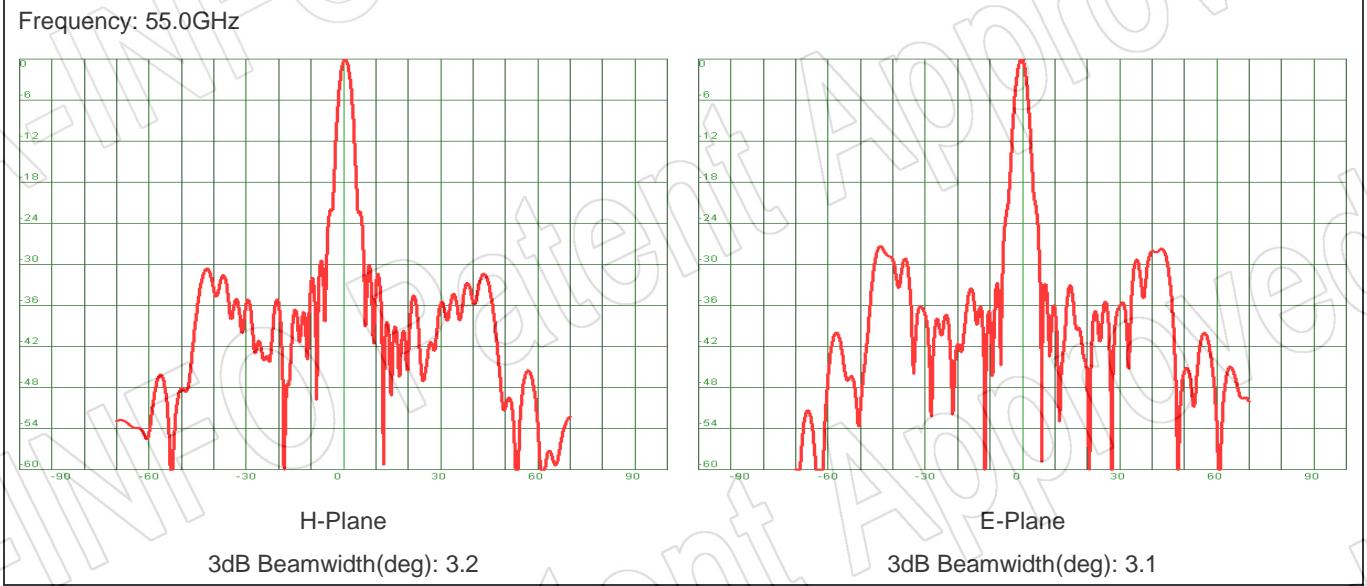


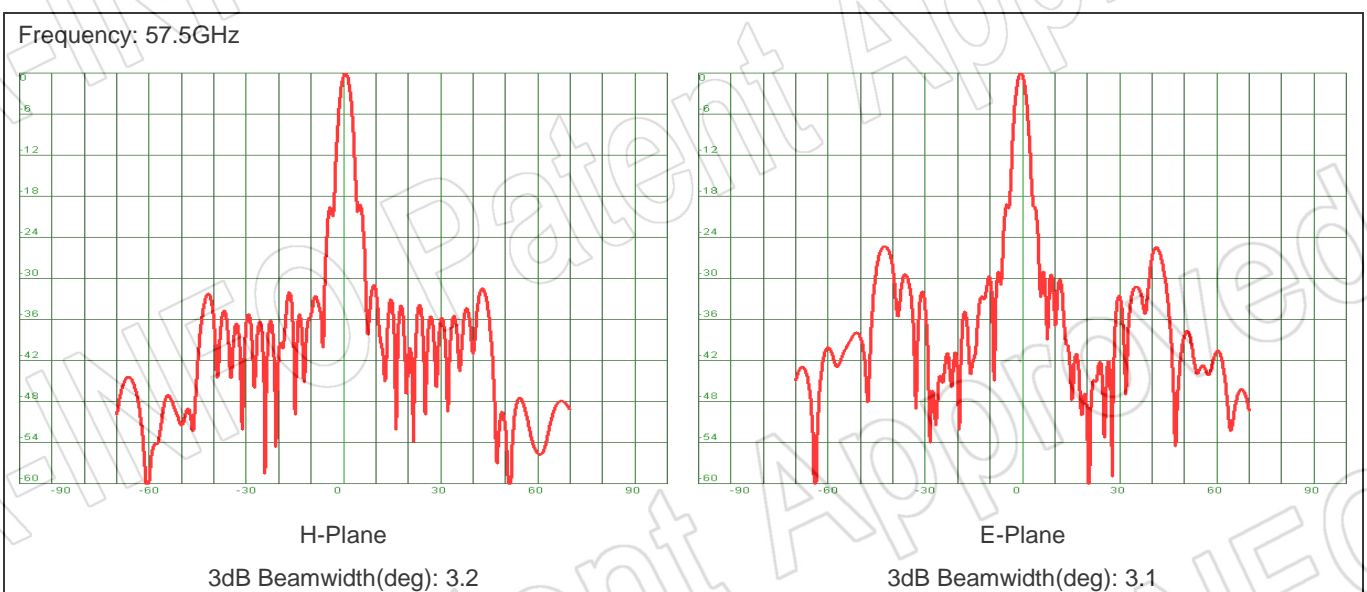
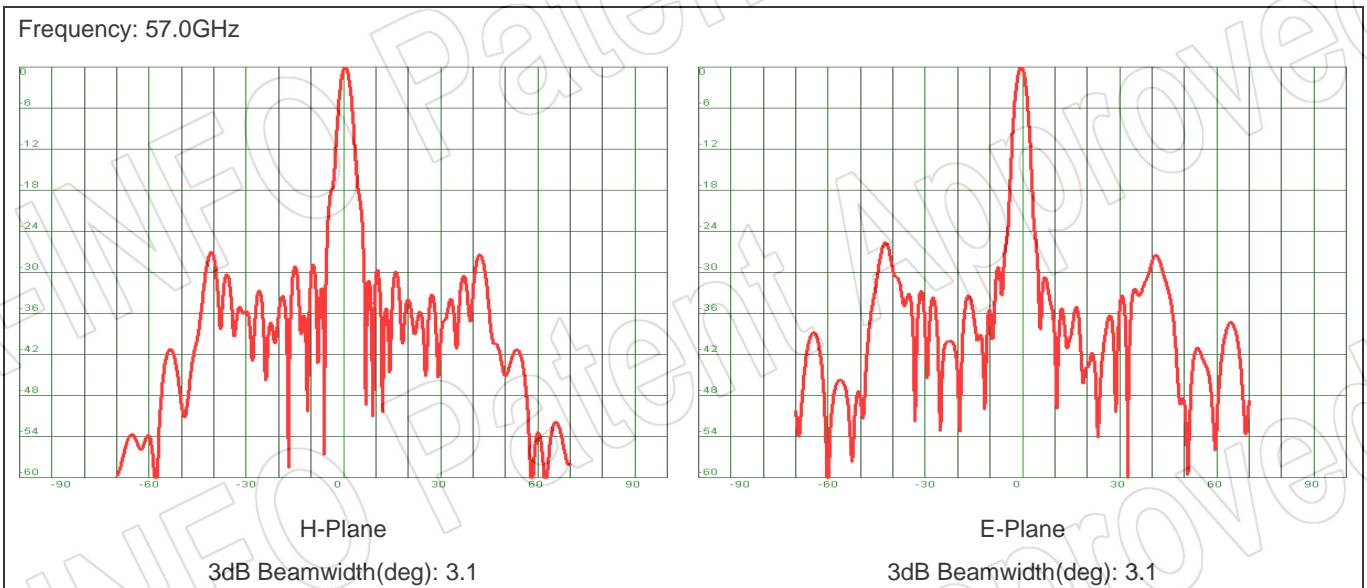
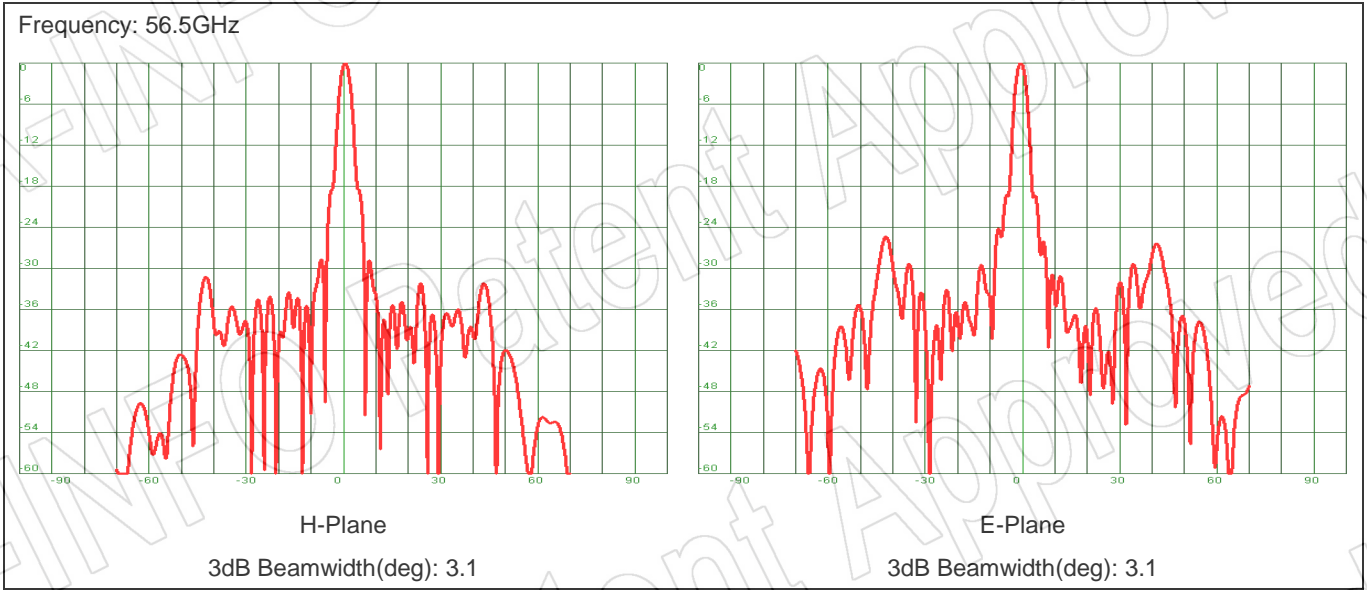


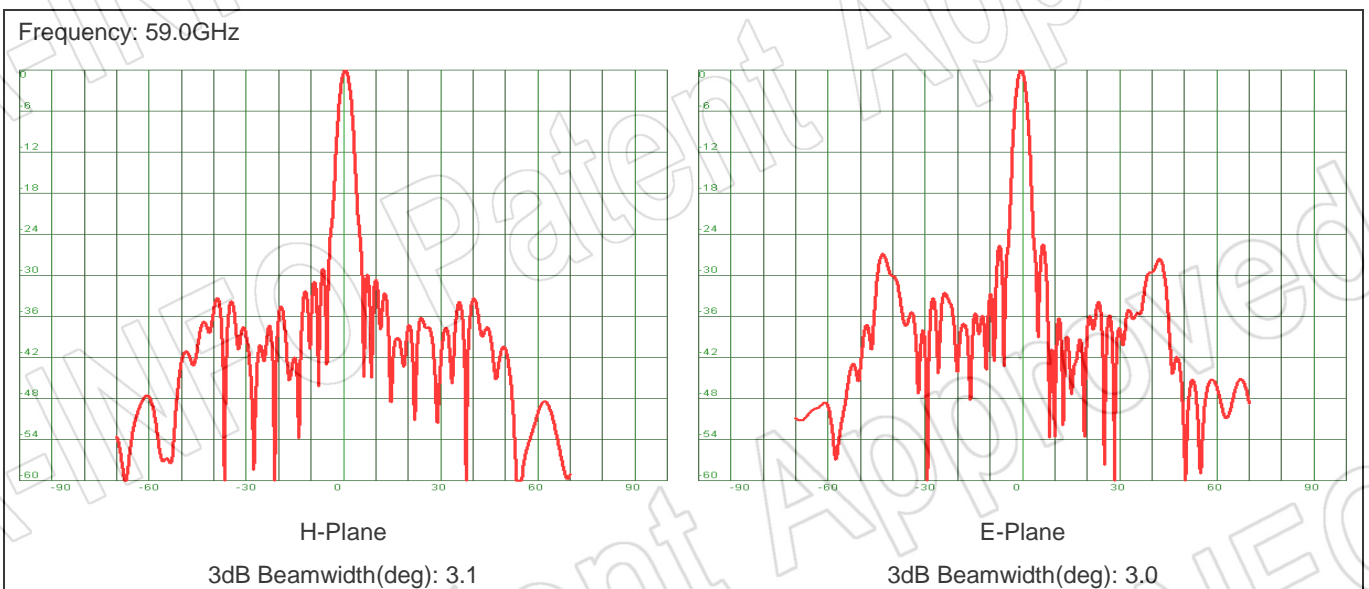
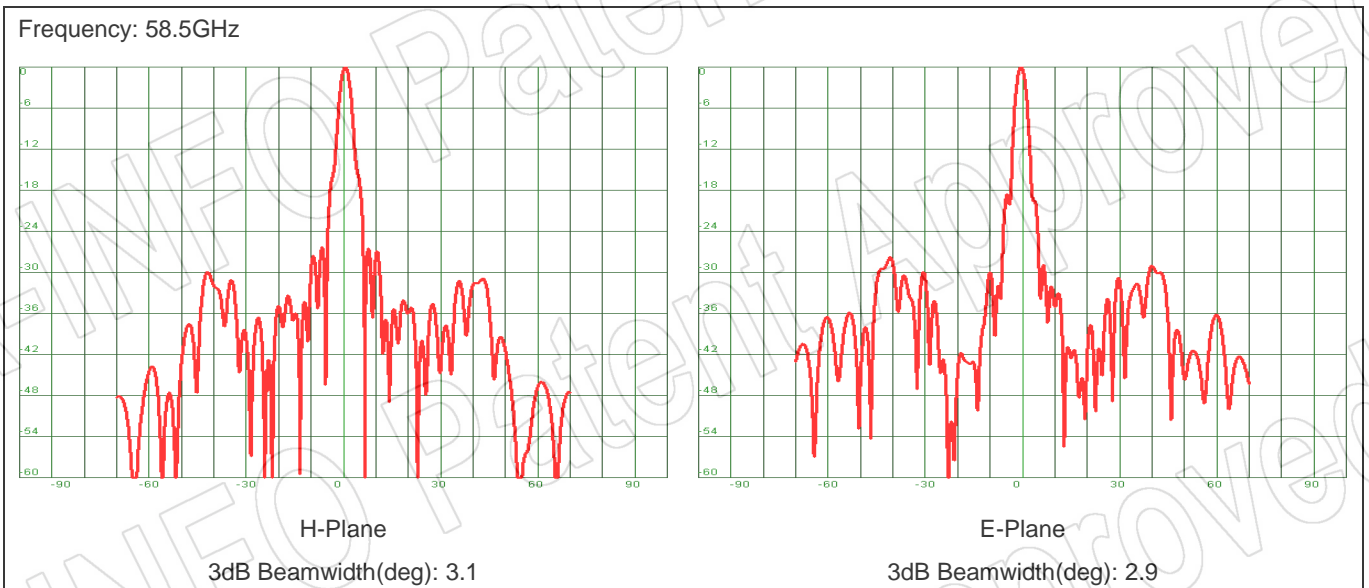
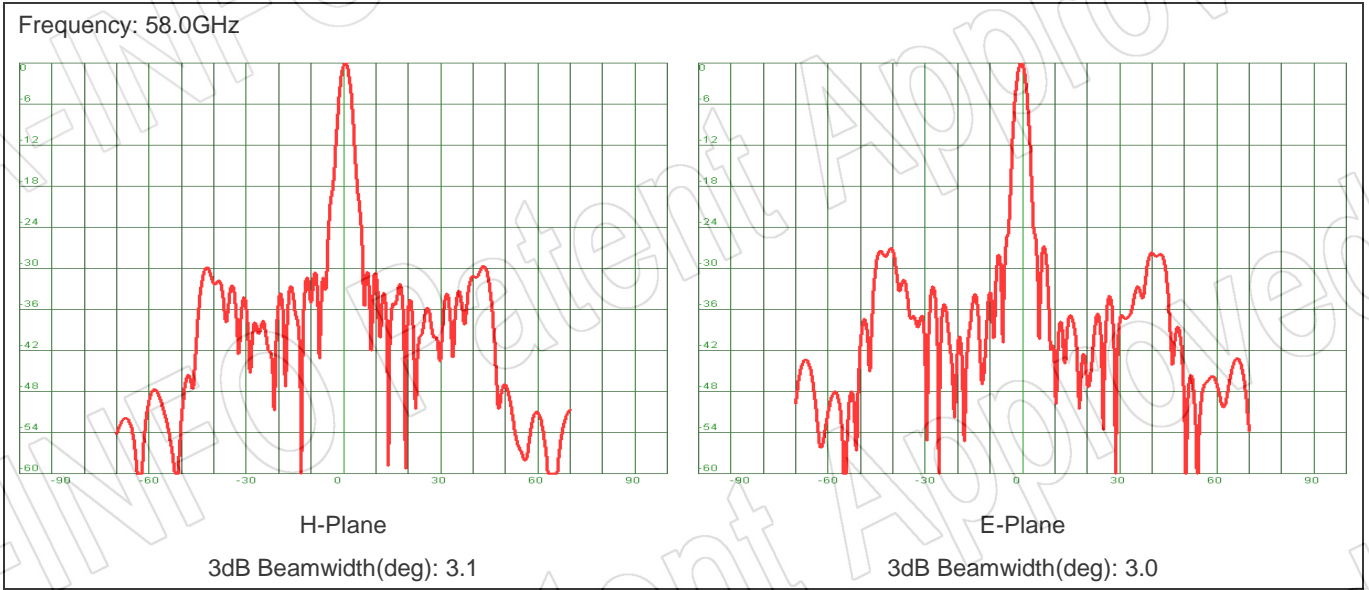


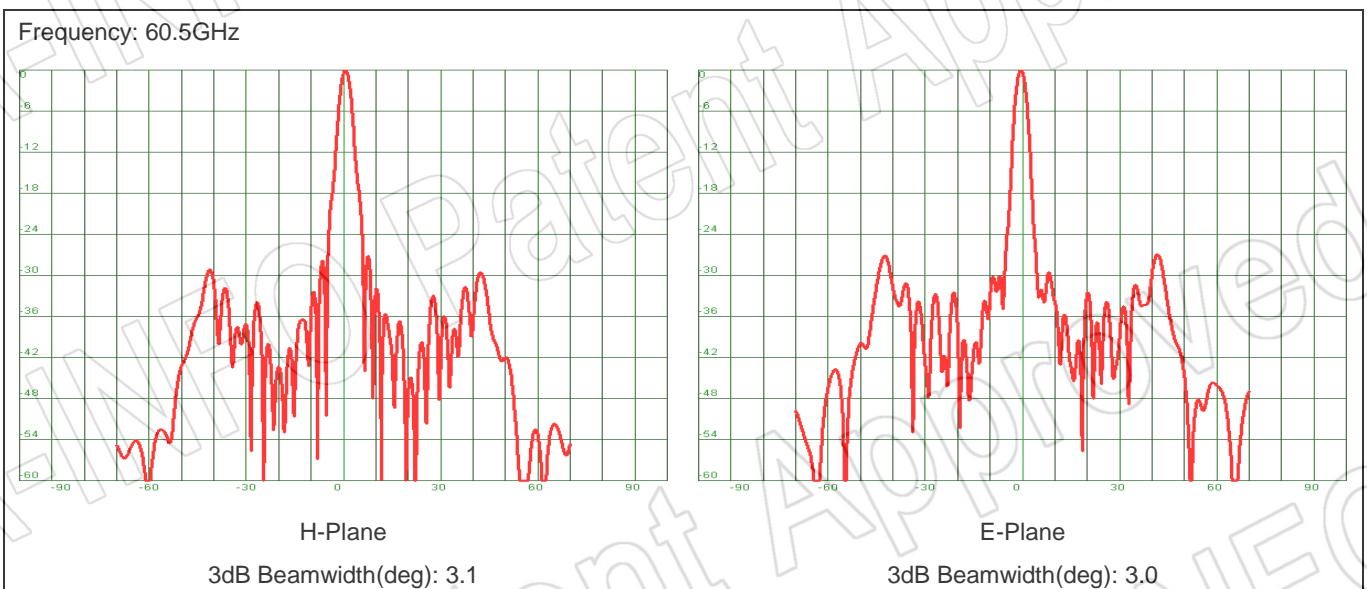
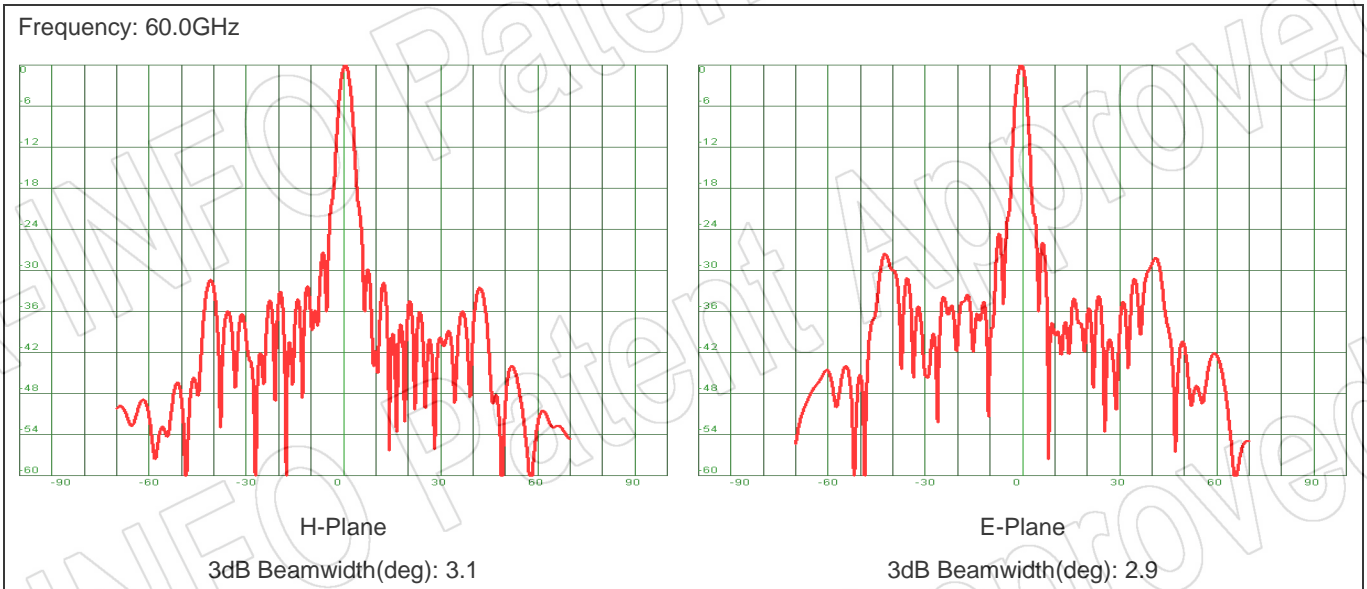
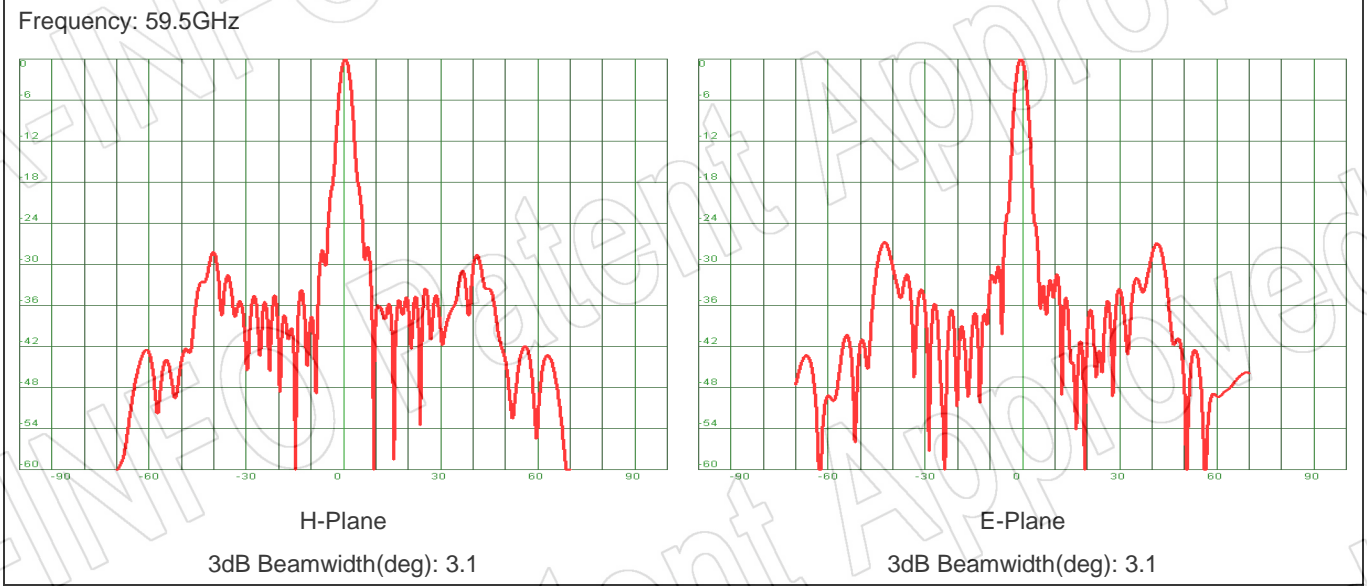




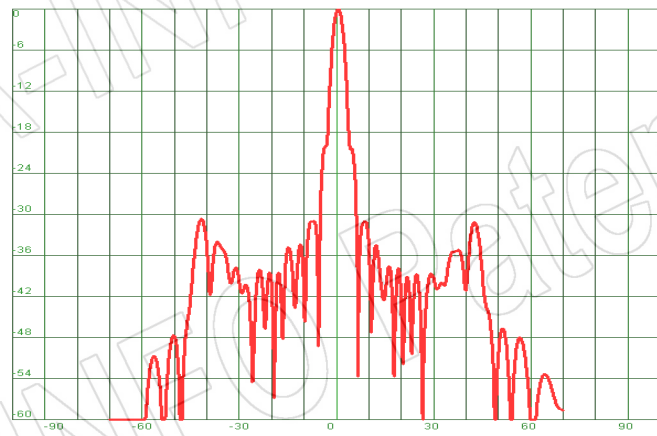






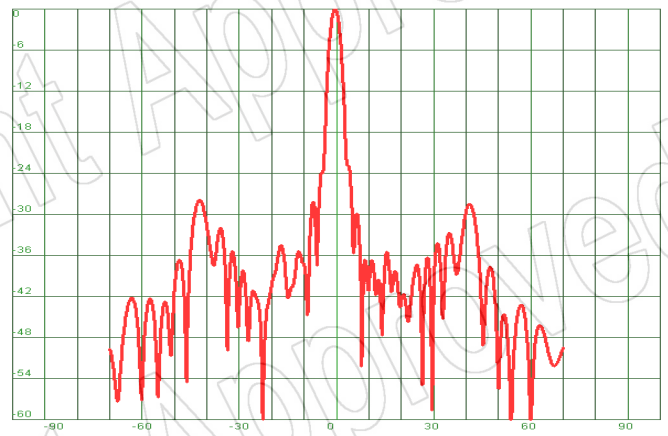


Frequency: 61.0GHz



H-Plane

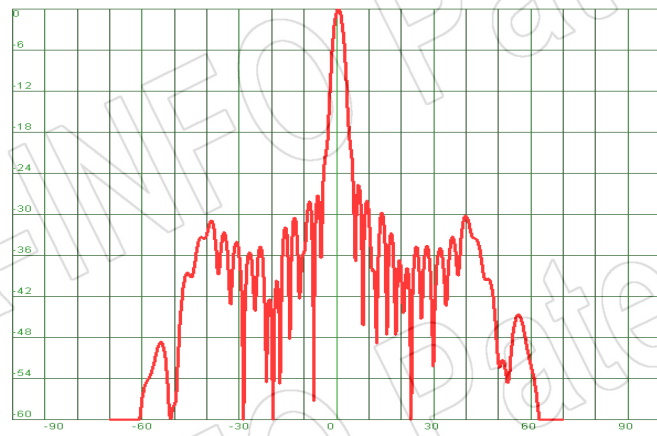
3dB Beamwidth(deg): 2.9



E-Plane

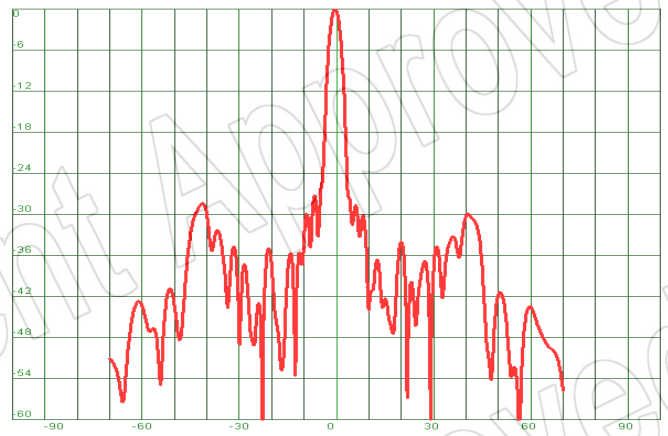
3dB Beamwidth(deg): 2.9

Frequency: 61.5GHz



H-Plane

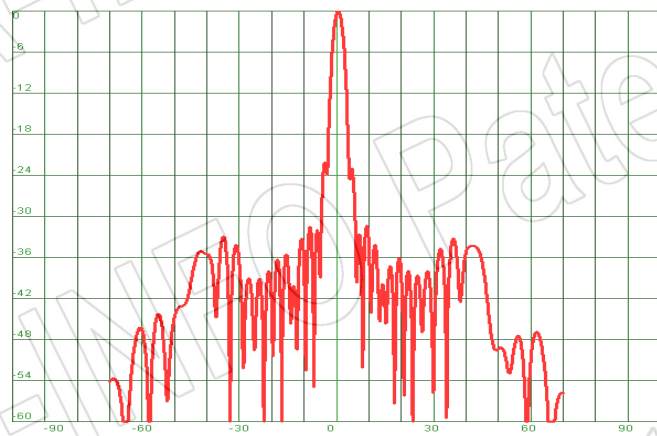
3dB Beamwidth(deg): 2.8



E-Plane

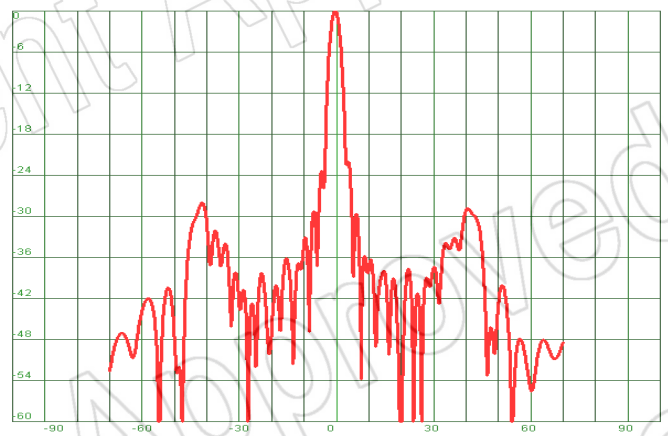
3dB Beamwidth(deg): 3.0

Frequency: 62.0GHz



H-Plane

3dB Beamwidth(deg): 2.9



E-Plane

3dB Beamwidth(deg): 2.8

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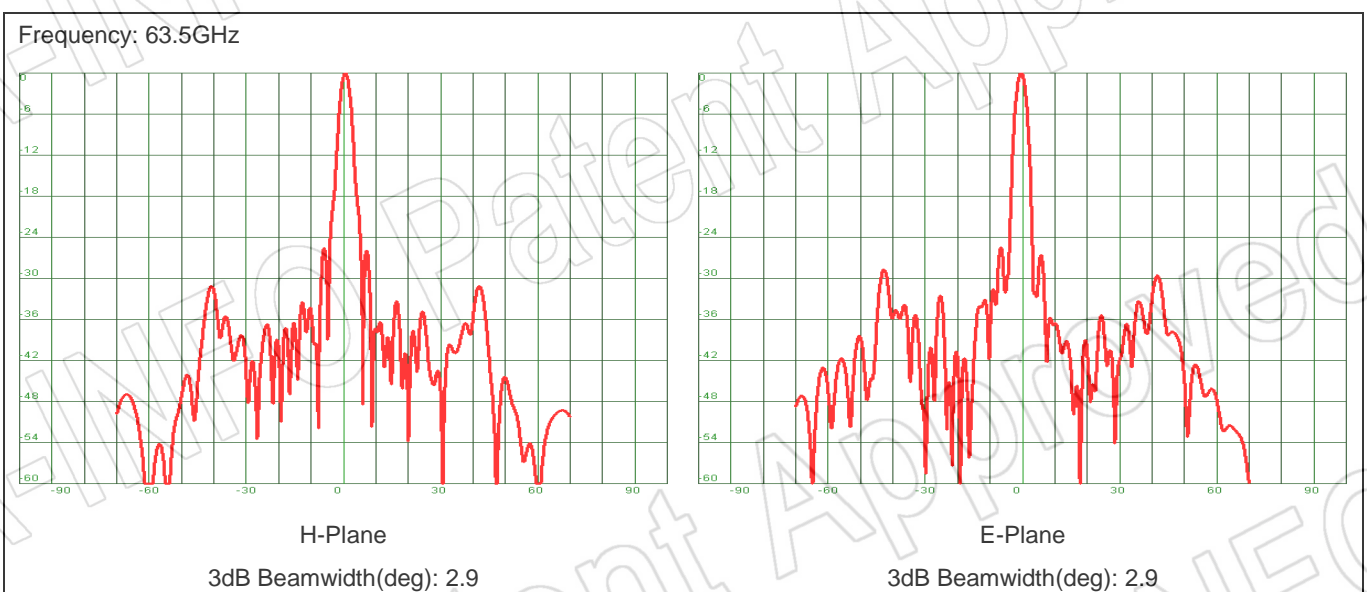
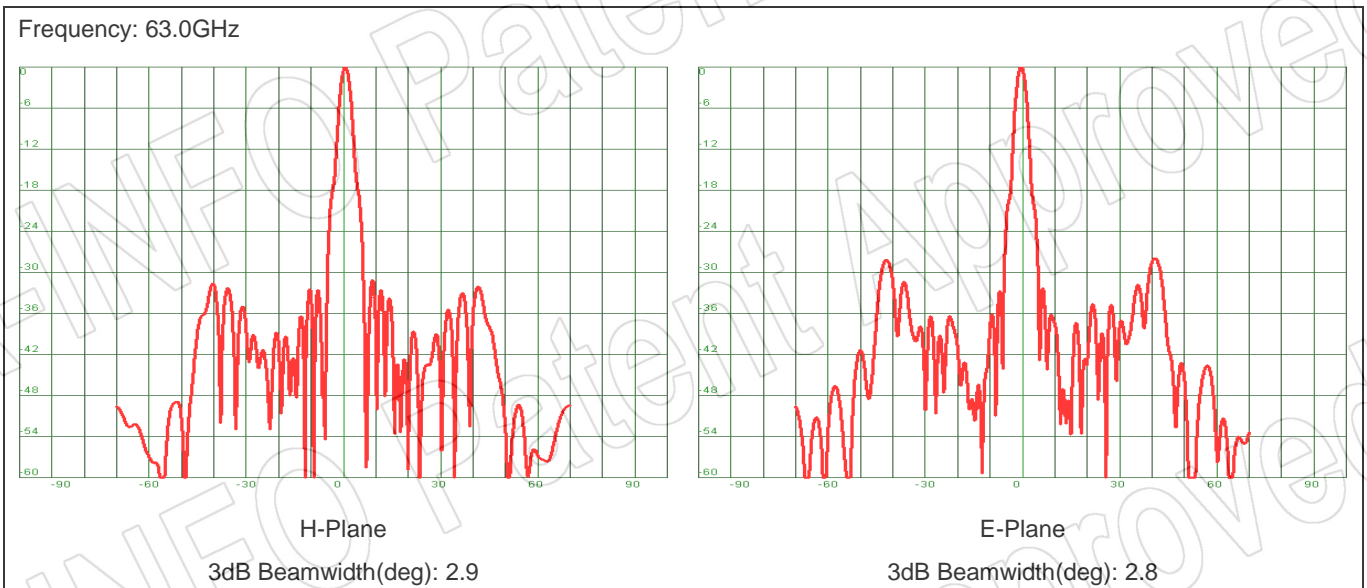
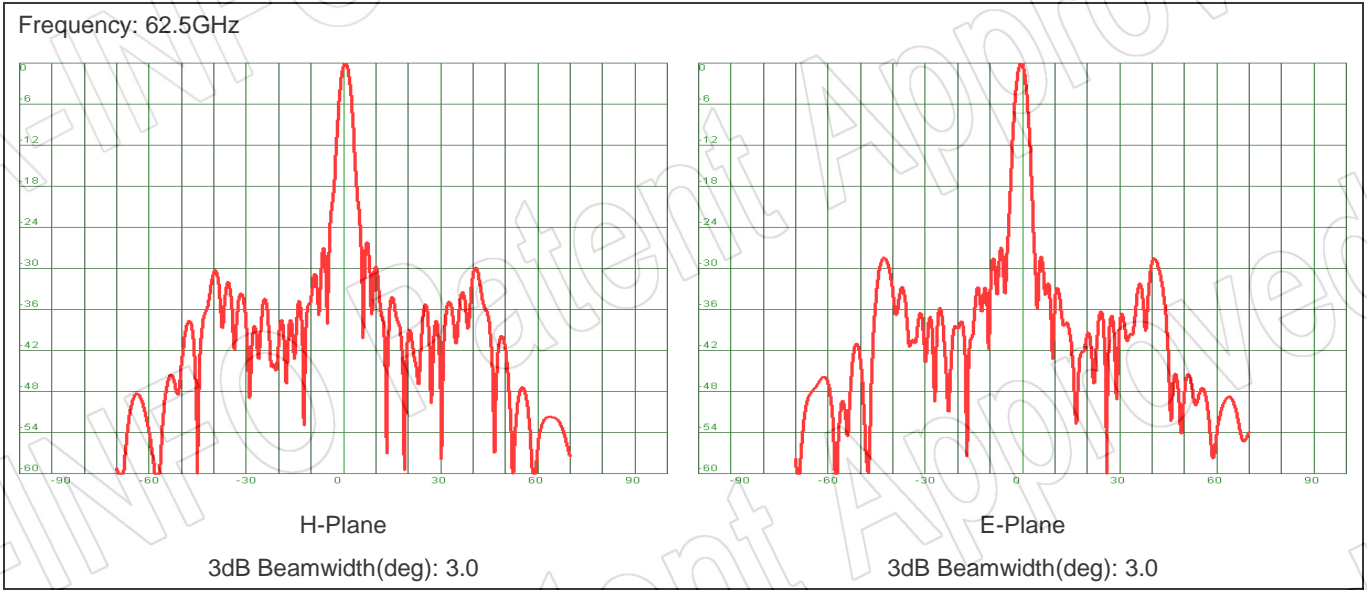
China(Beijing):  
China(Chengdu):  
USA :

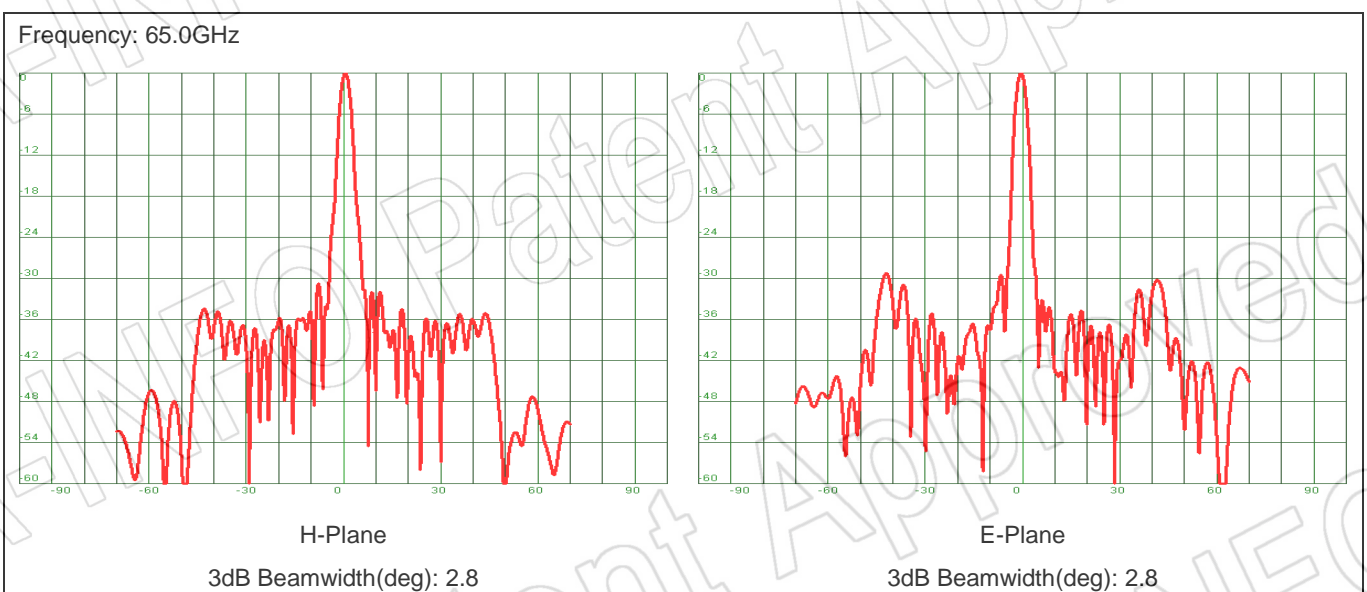
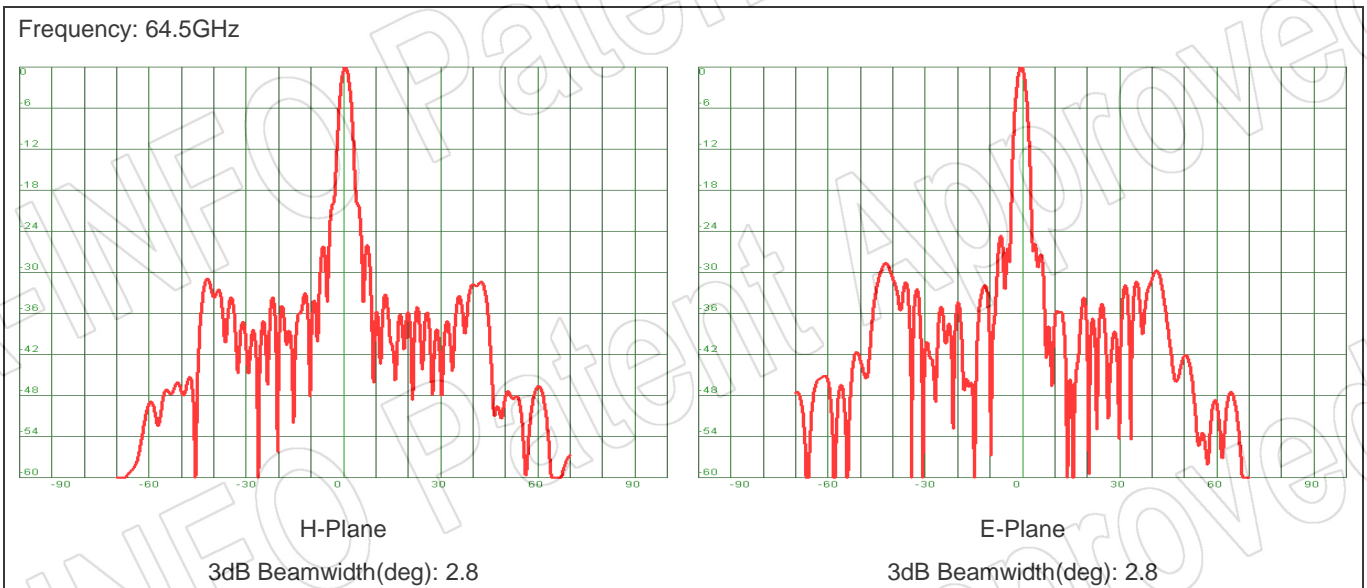
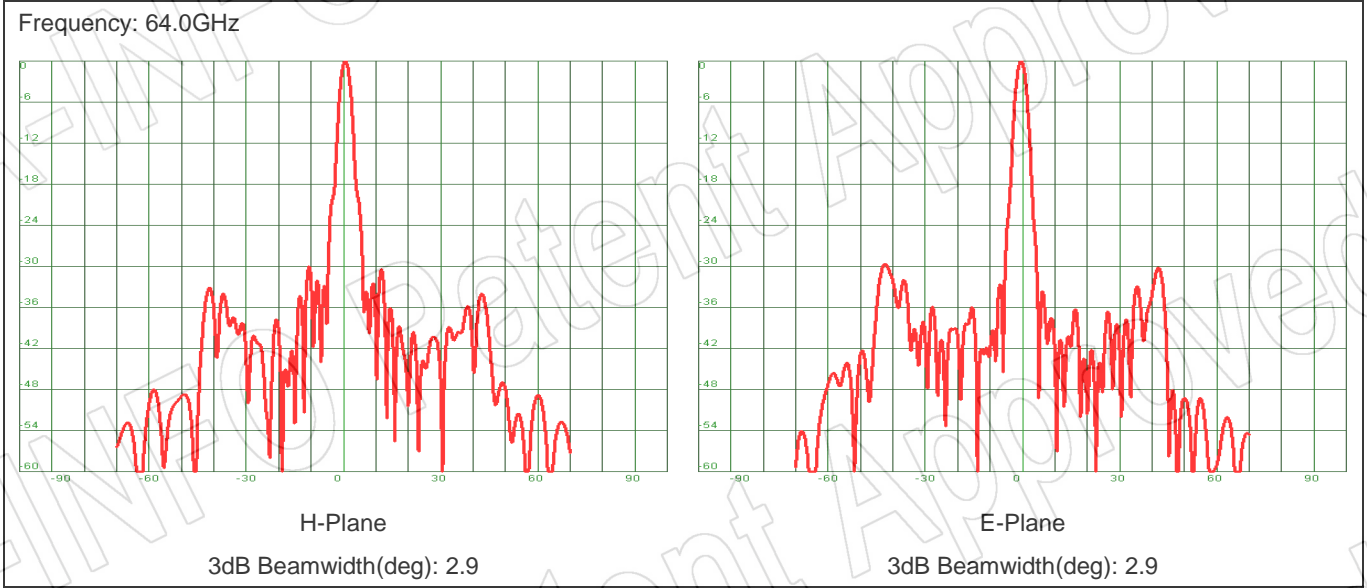
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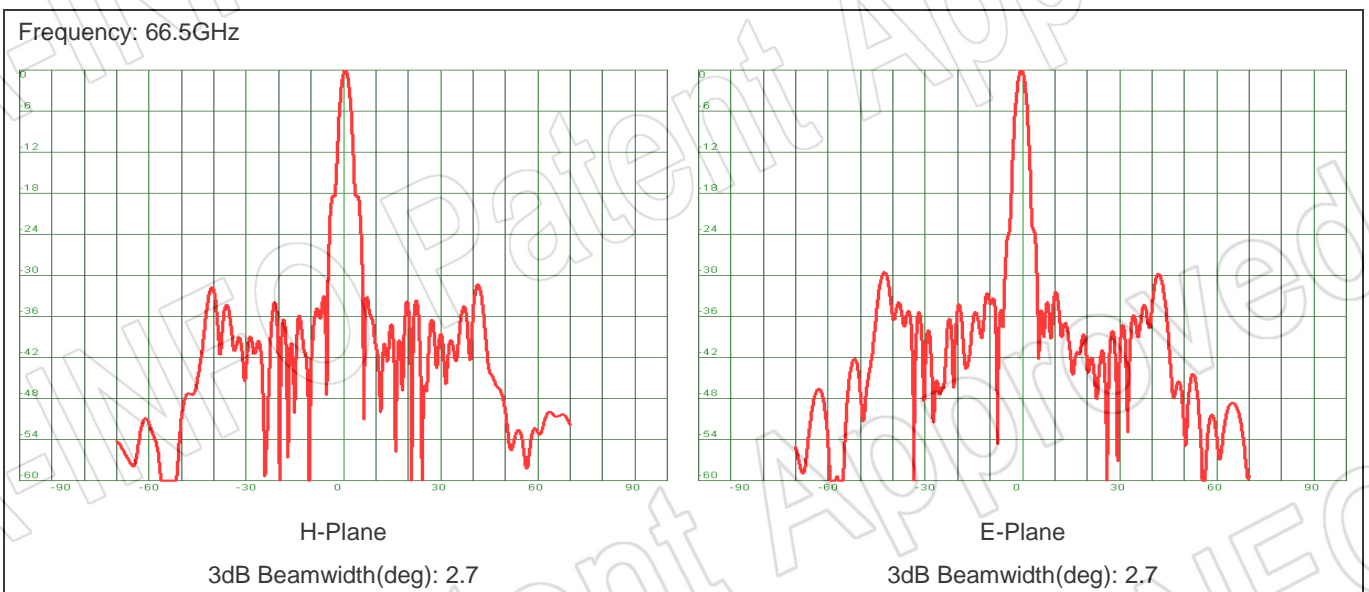
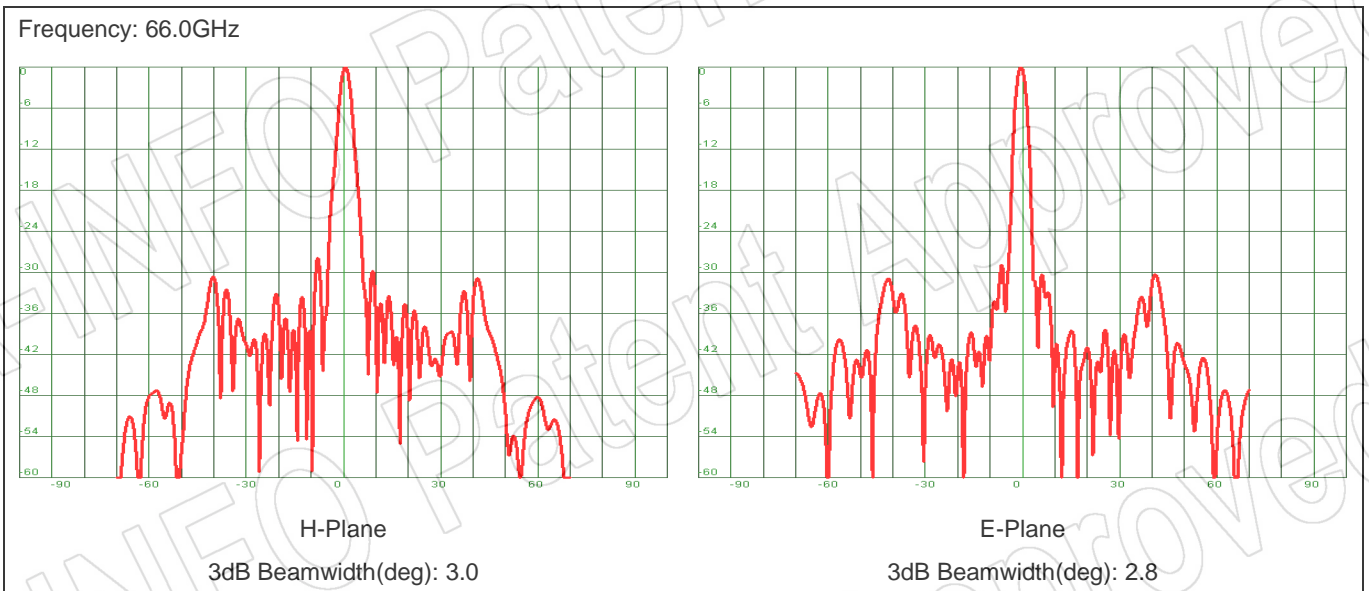
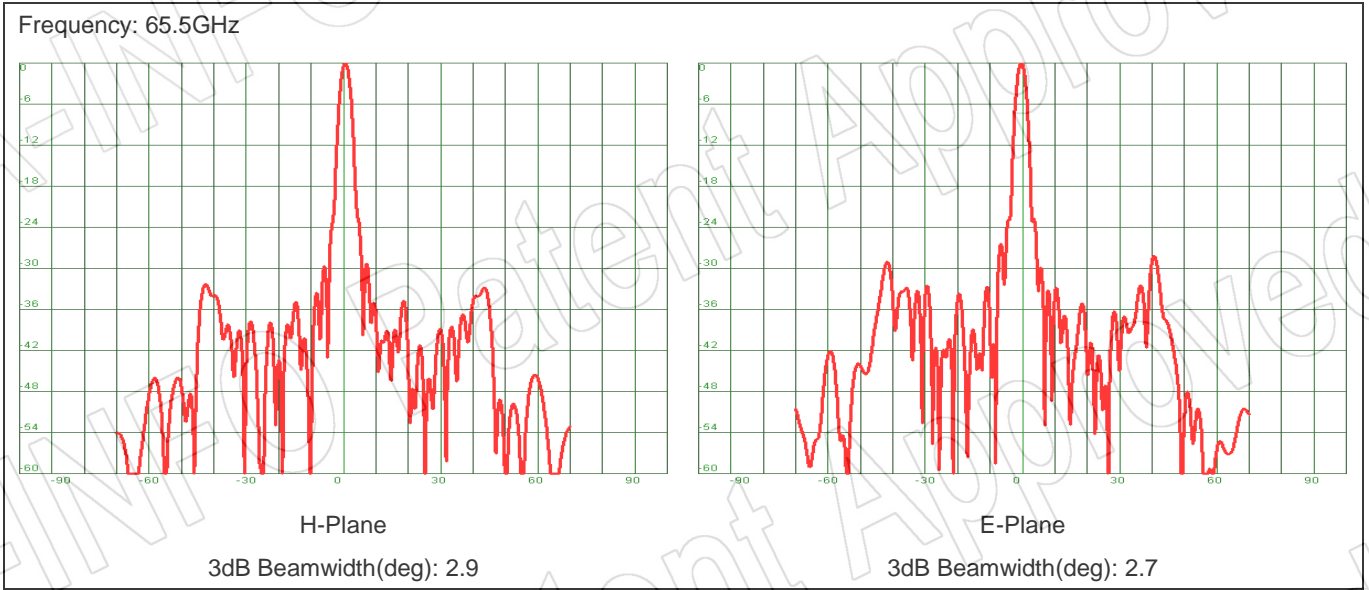
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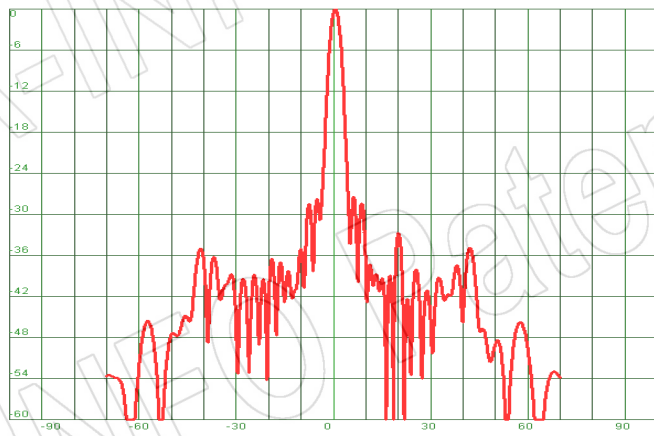






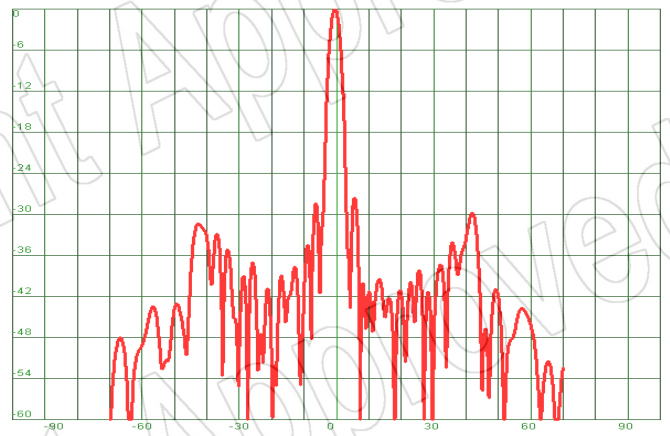


Frequency: 67.0GHz



H-Plane

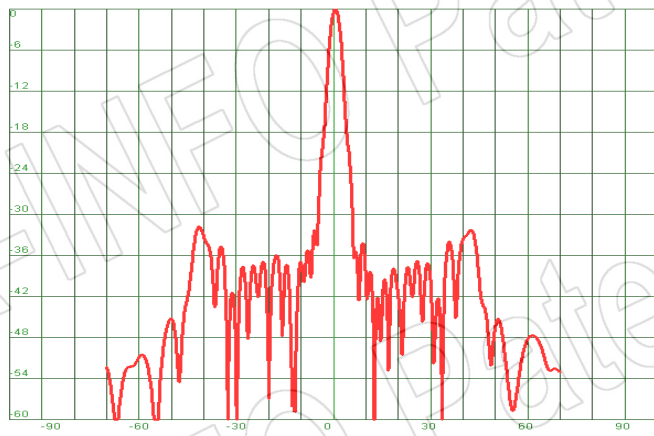
3dB Beamwidth(deg): 2.7



E-Plane

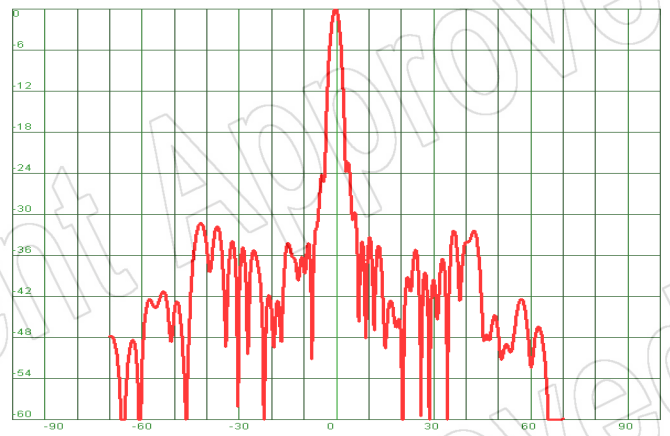
3dB Beamwidth(deg): 2.7

Frequency: 67.5GHz



H-Plane

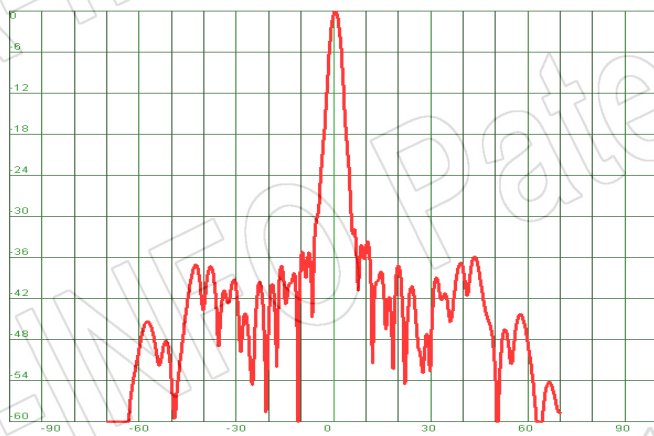
3dB Beamwidth(deg): 3.0



E-Plane

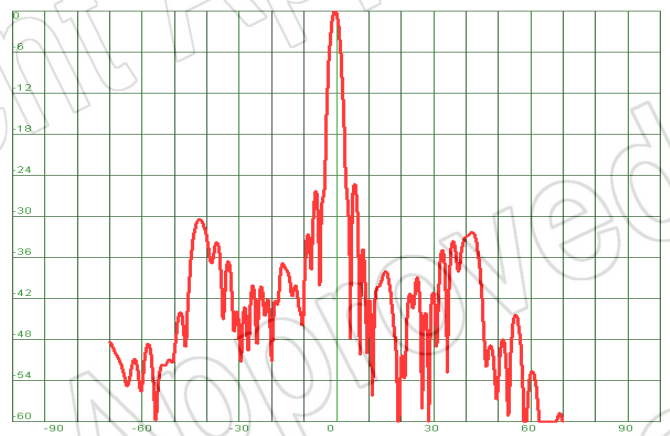
3dB Beamwidth(deg): 2.7

Frequency: 68.0GHz



H-Plane

3dB Beamwidth(deg): 2.7



E-Plane

3dB Beamwidth(deg): 2.7

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China(Chengdu):  
USA :

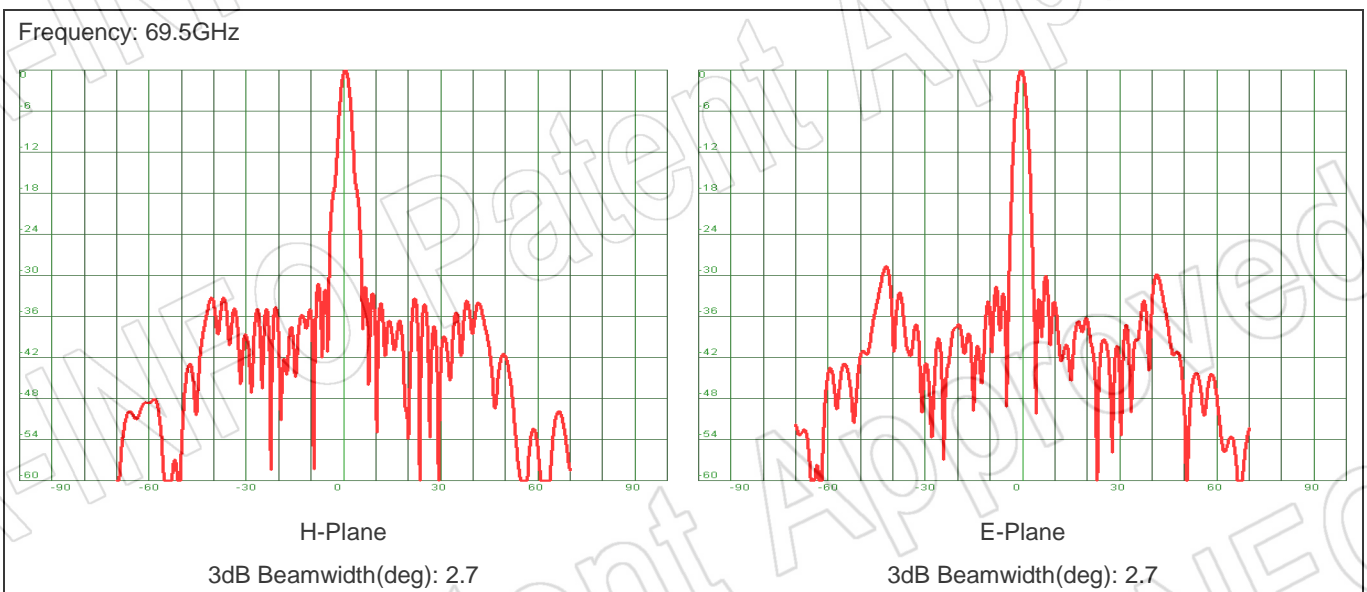
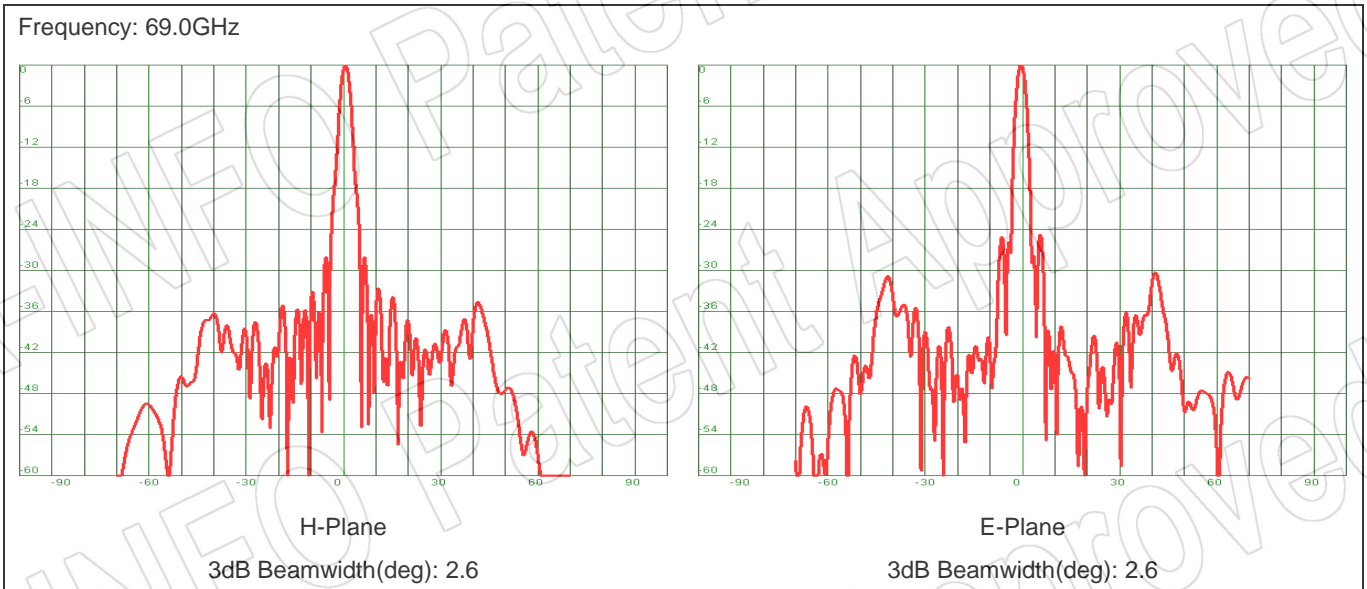
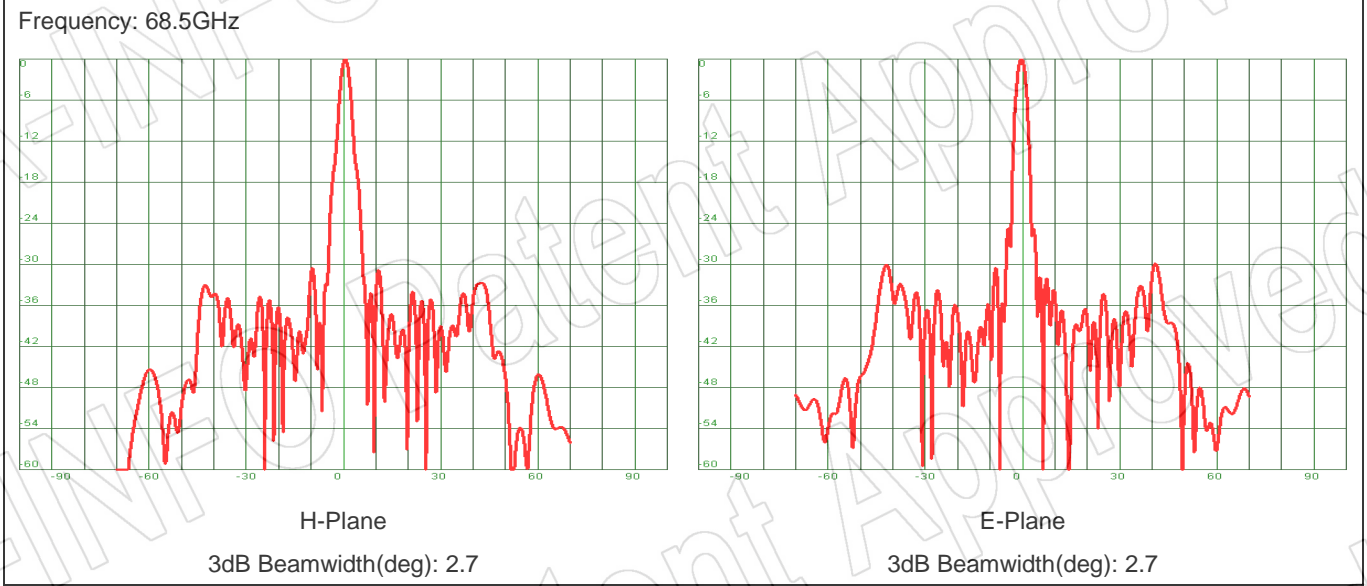
Tel: (+86) 10-6266-7326,  
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Tel: (+1) 949-639-9688,

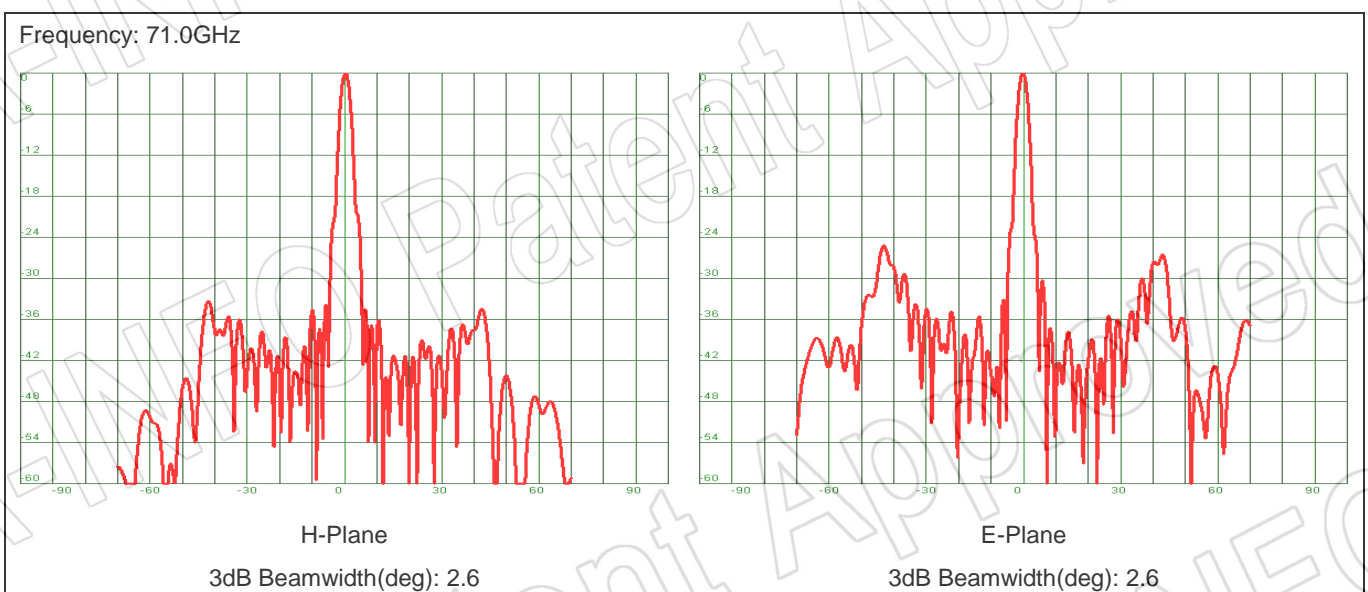
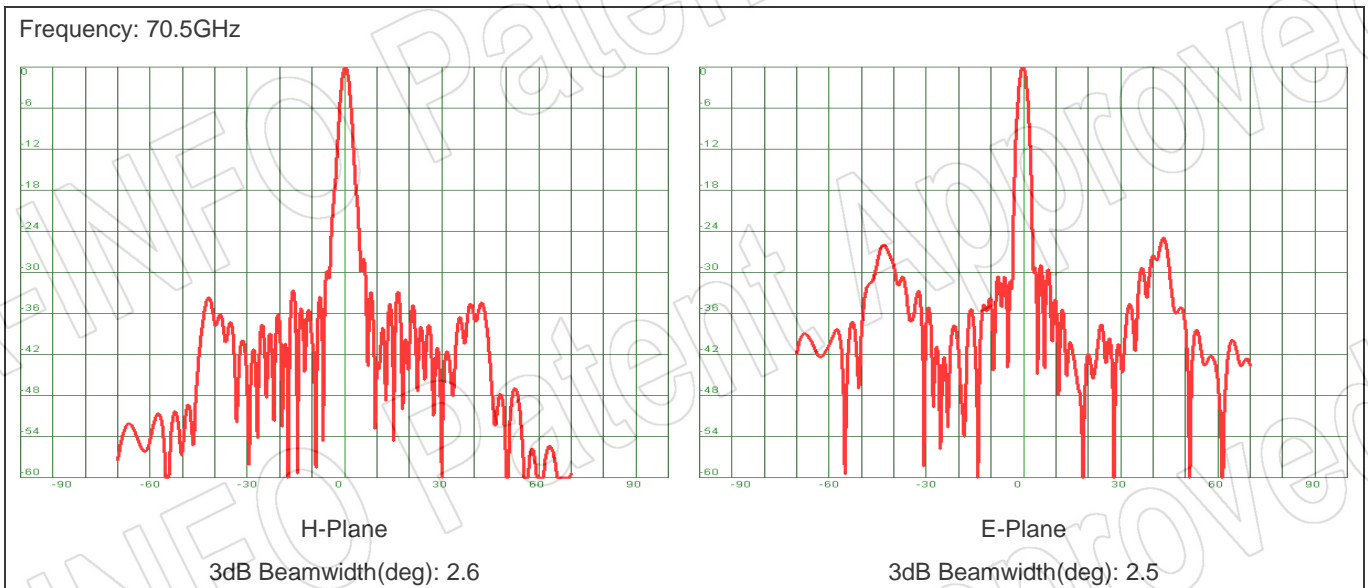
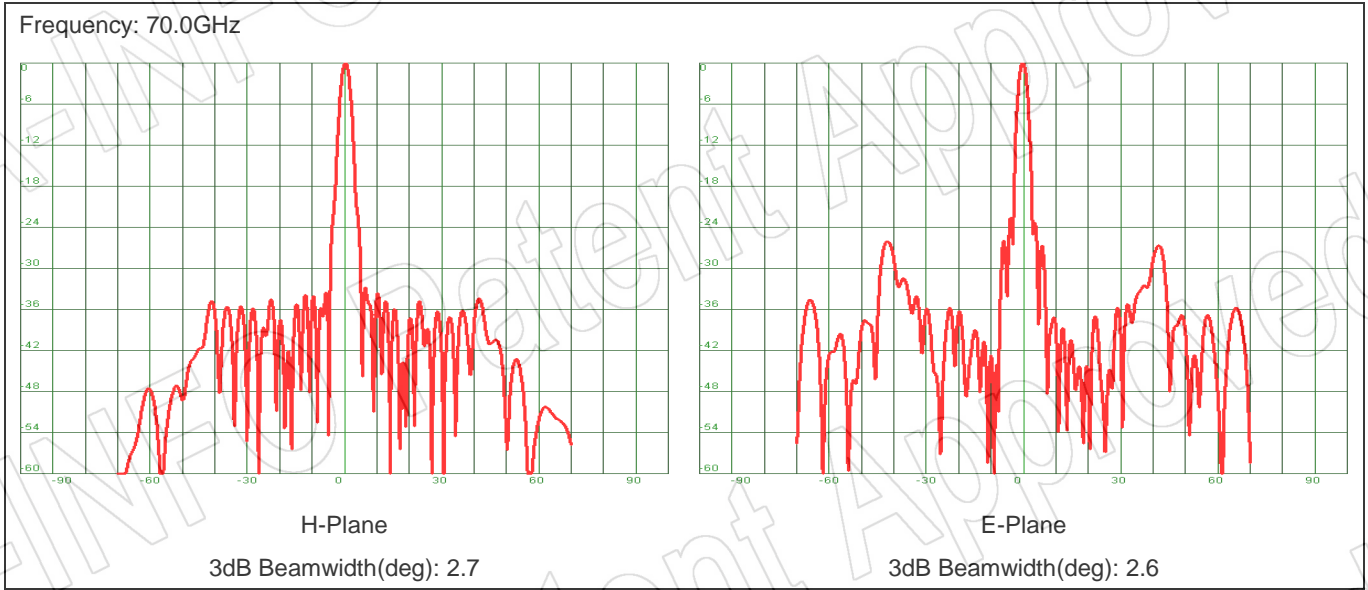
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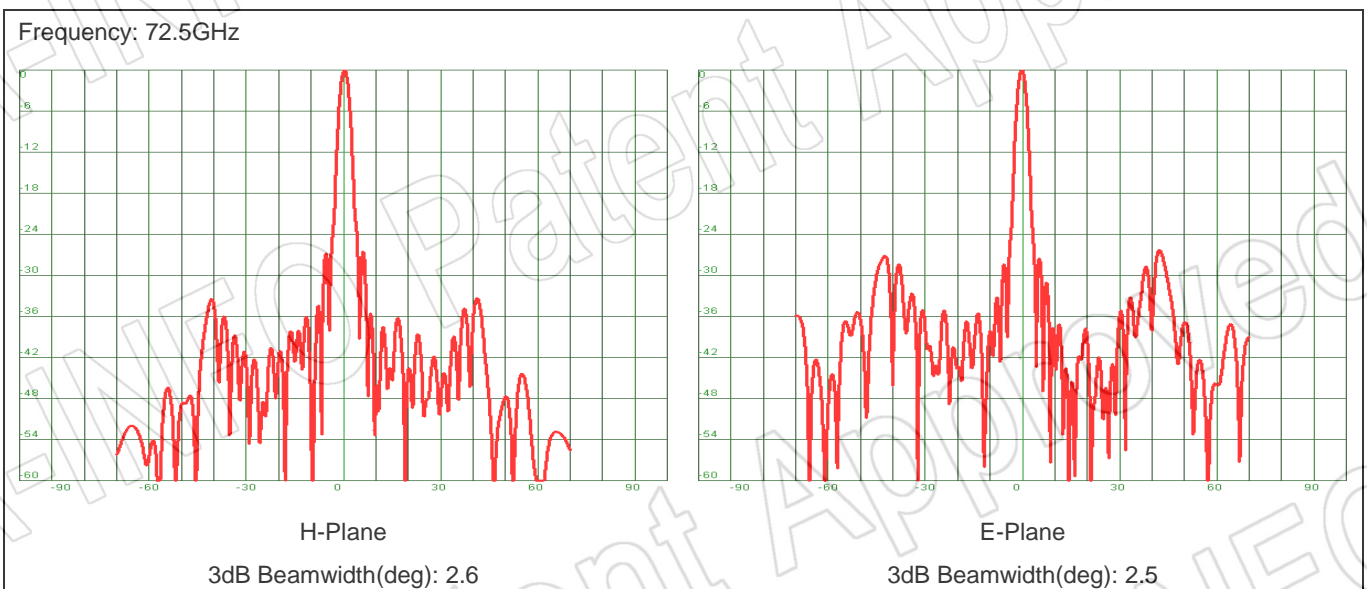
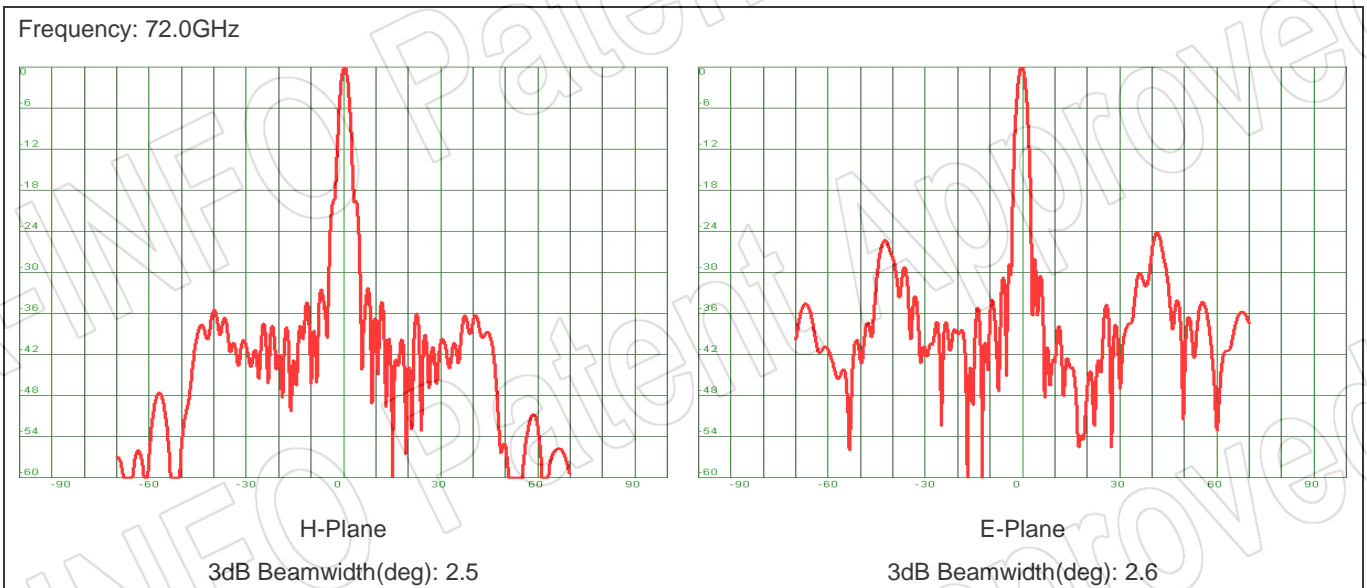
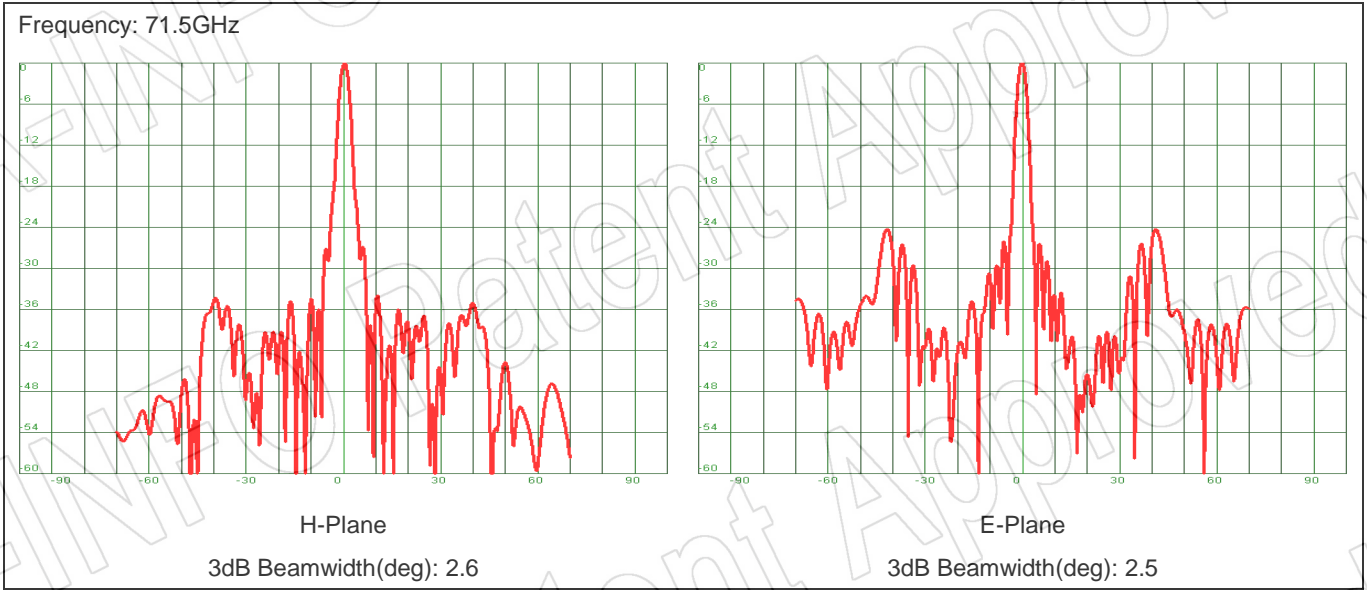
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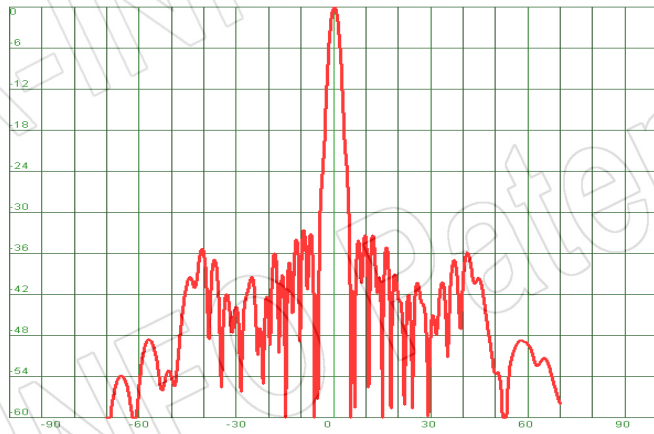
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)





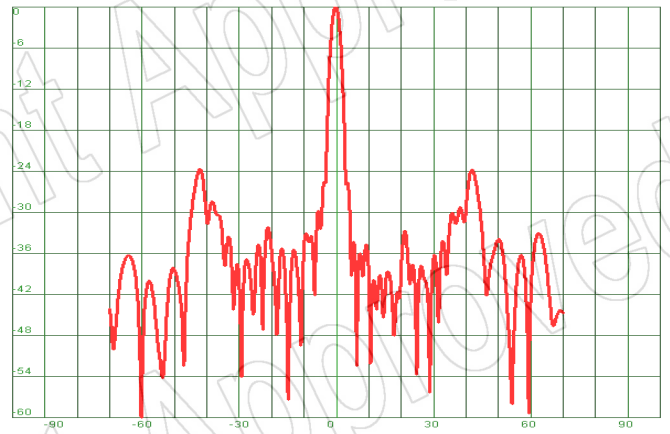


Frequency: 73.0GHz



H-Plane

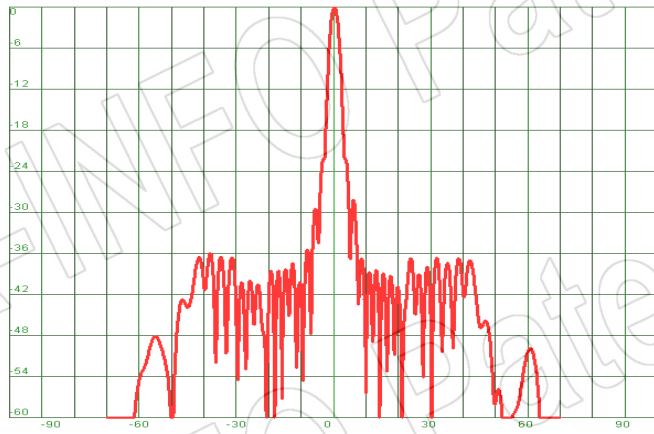
3dB Beamwidth(deg): 2.6



E-Plane

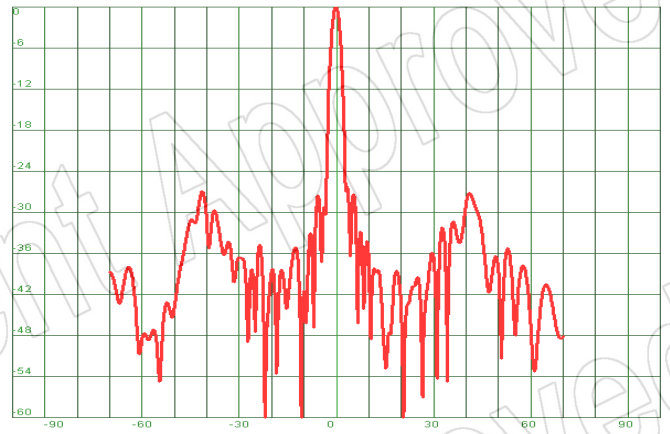
3dB Beamwidth(deg): 2.5

Frequency: 73.5GHz



H-Plane

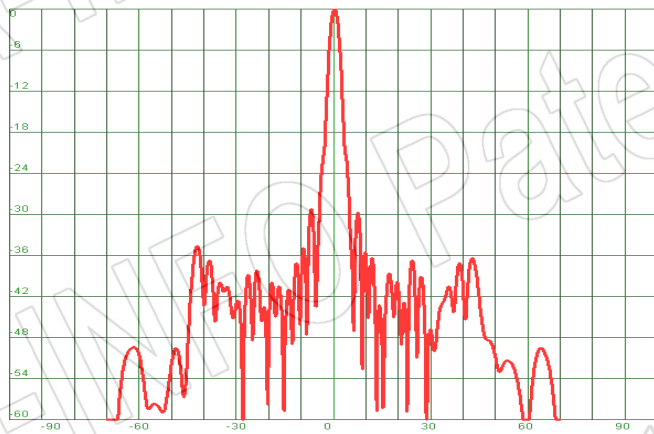
3dB Beamwidth(deg): 2.4



E-Plane

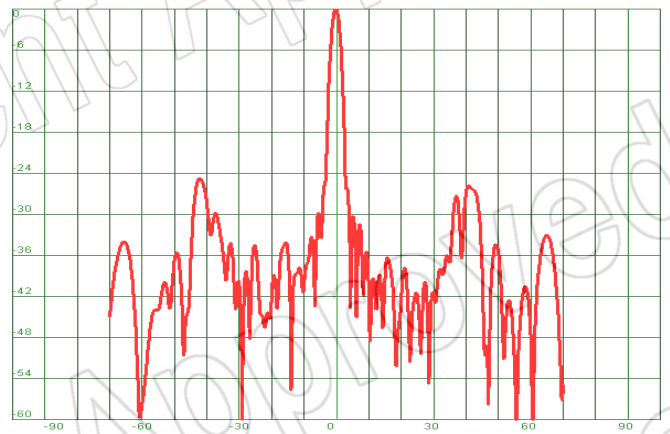
3dB Beamwidth(deg): 2.4

Frequency: 74.0GHz



H-Plane

3dB Beamwidth(deg): 2.5



E-Plane

3dB Beamwidth(deg): 2.4

**AINFO Inc.**

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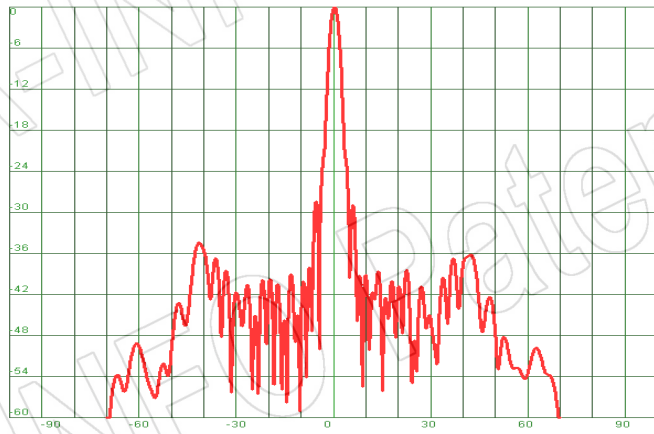
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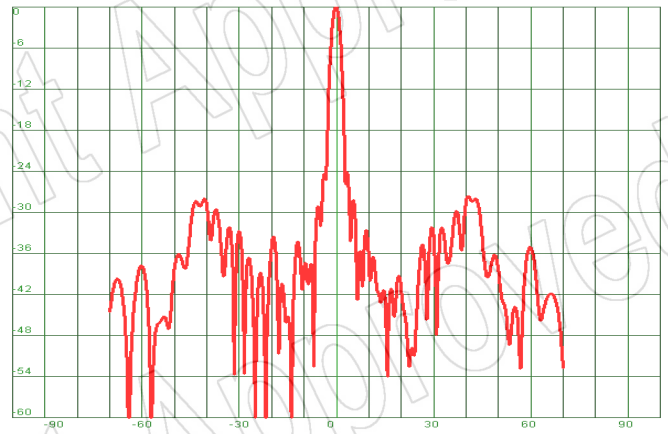
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Fax: (+1) 949-639-9670

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

Frequency: 74.5GHz

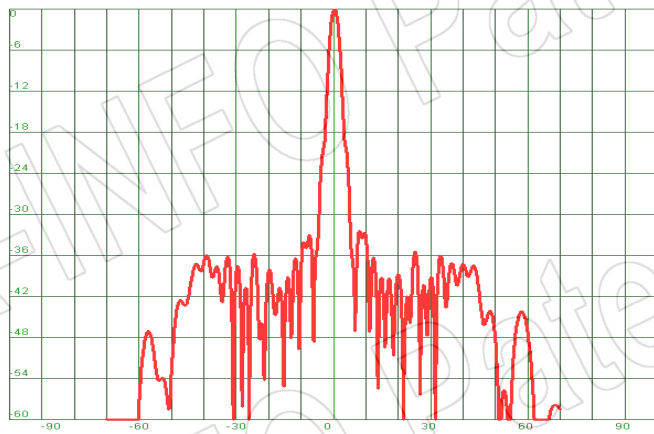


H-Plane  
3dB Beamwidth(deg): 2.5

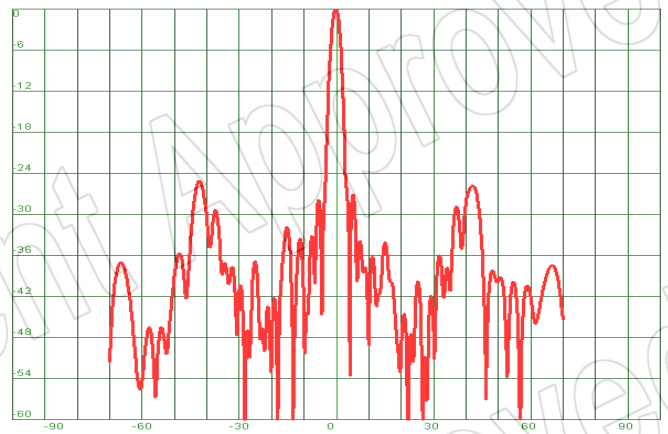


E-Plane  
3dB Beamwidth(deg): 2.4

Frequency: 75.0GHz



H-Plane  
3dB Beamwidth(deg): 2.5



E-Plane  
3dB Beamwidth(deg): 2.4