

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

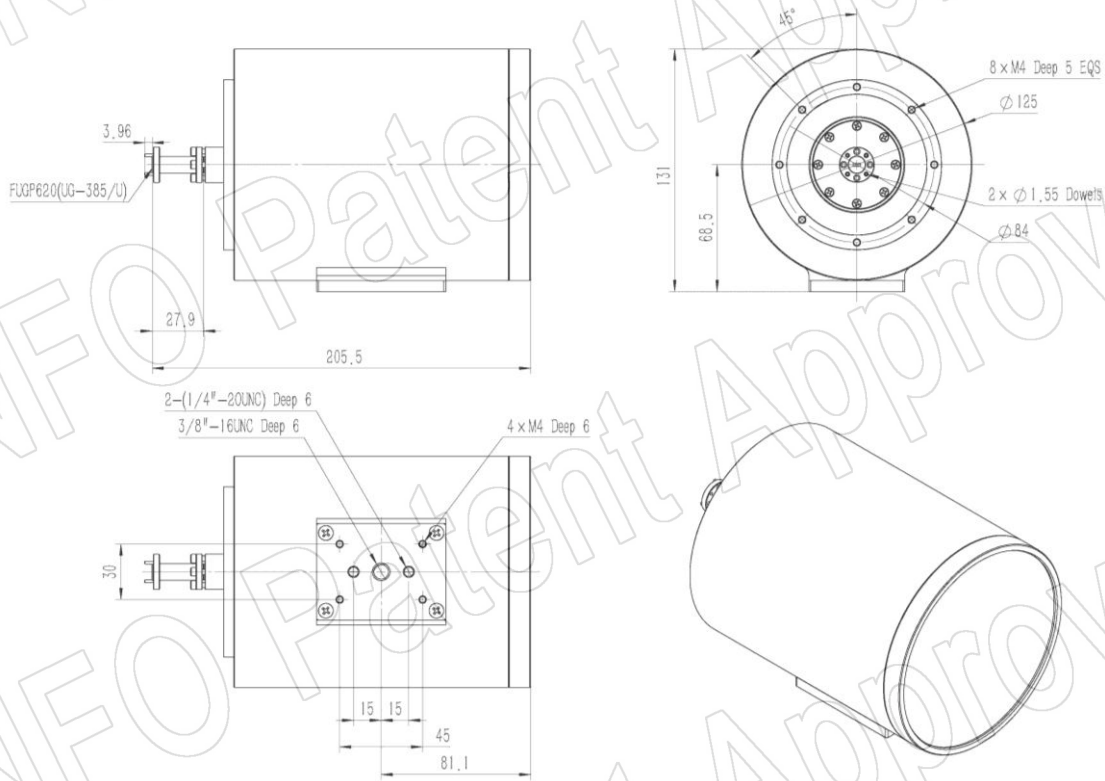
**PATENT ID (China)**

**ZL202120619530.X, ZL202130167433.7**



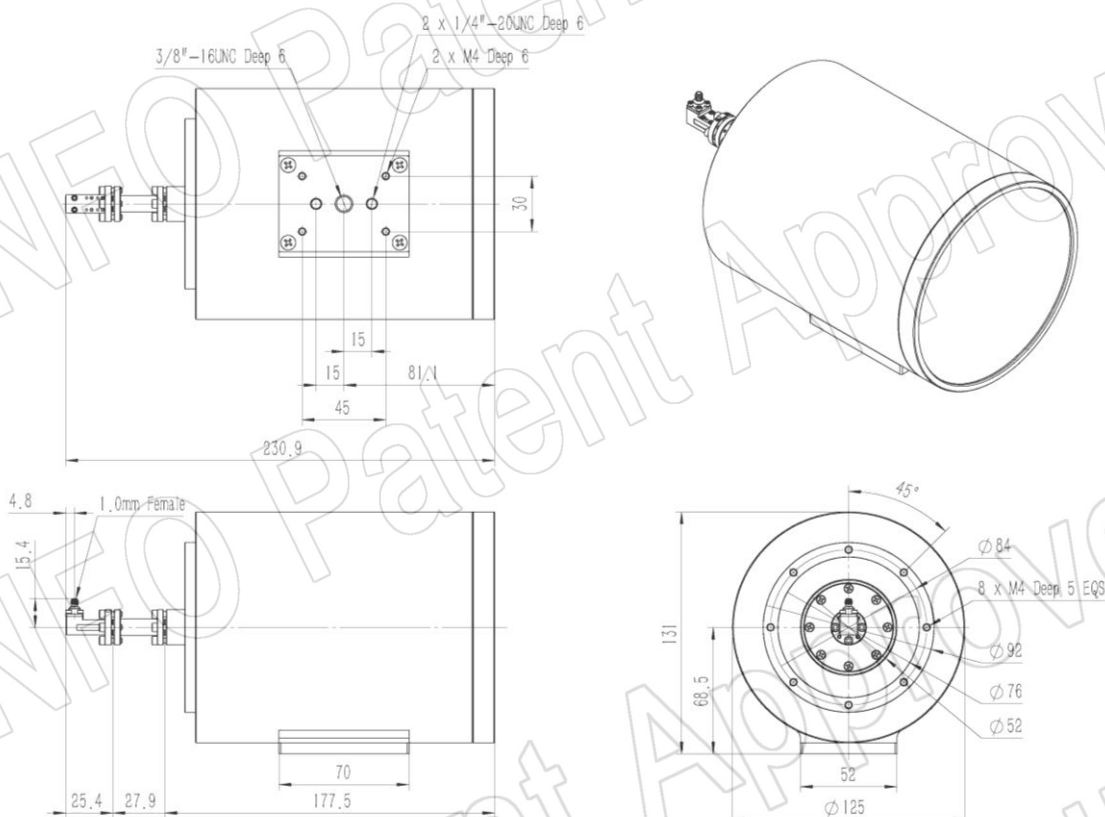
## Outline Drawing (Size: mm)

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

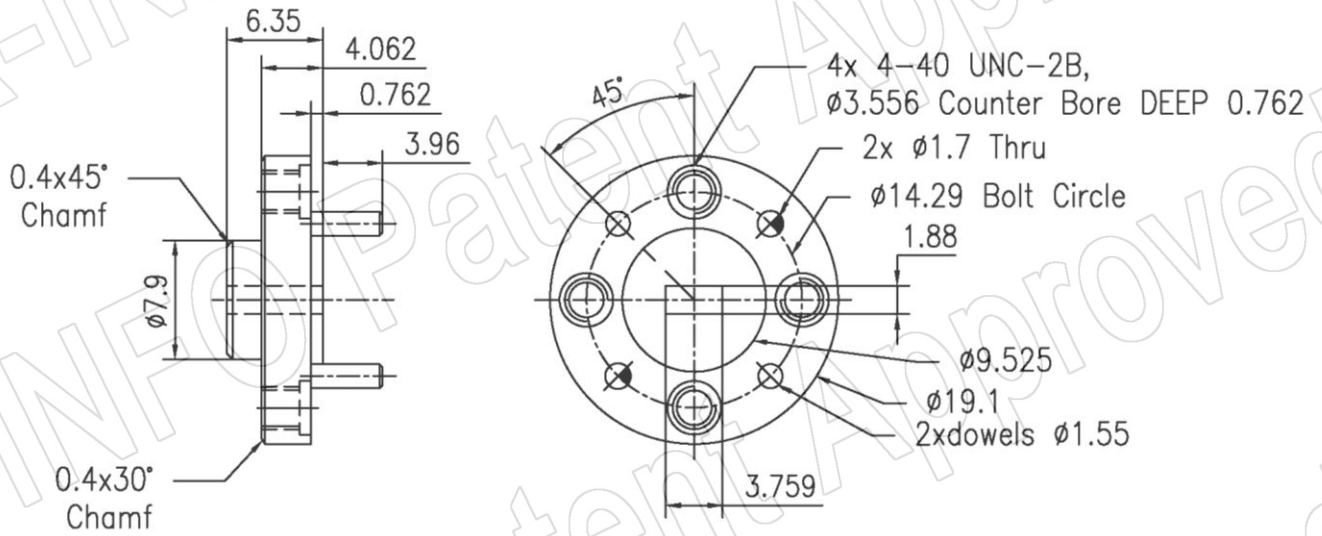


## 1.0mm-Female Output (P/N: LB-GL-15-30-C-1.0F)

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



## Flange Drawing (Size: mm)



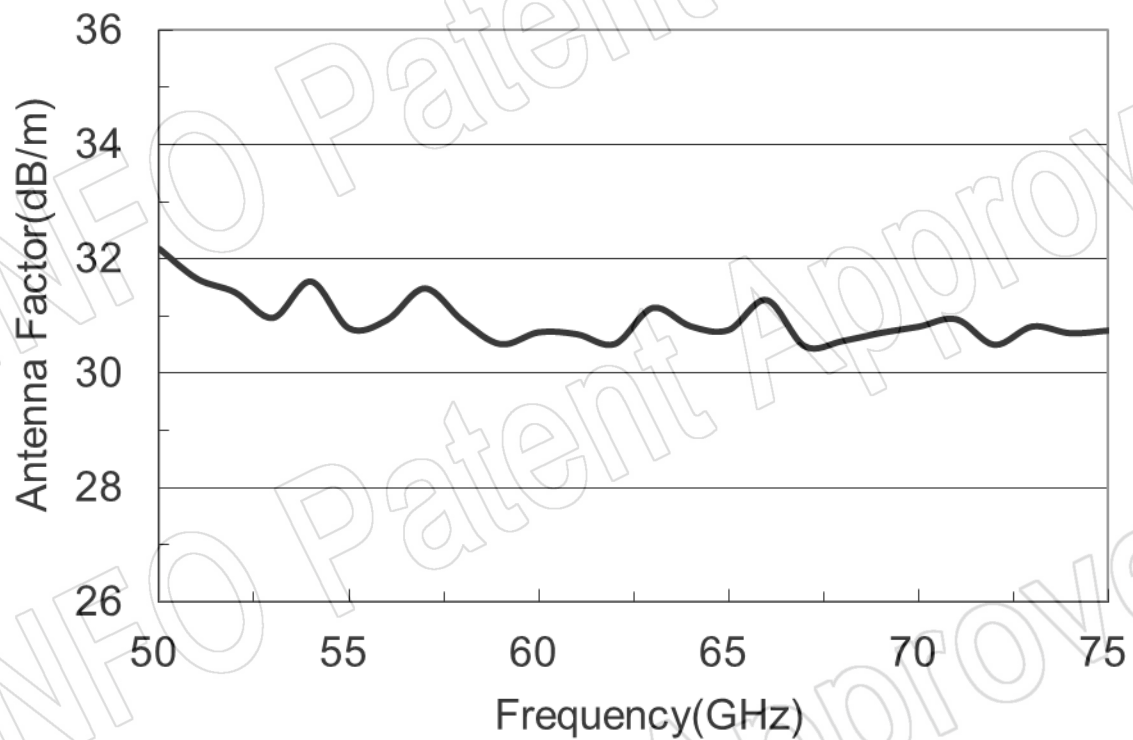
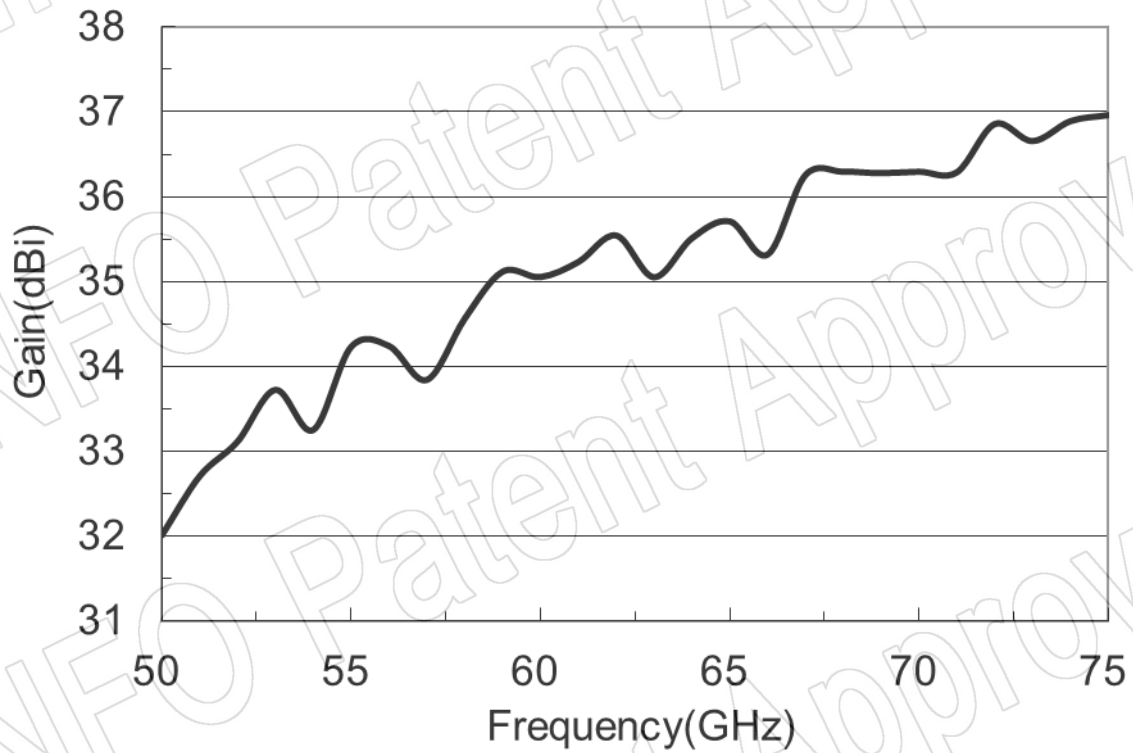
FUGP620

(equivalent to UG-385/U)



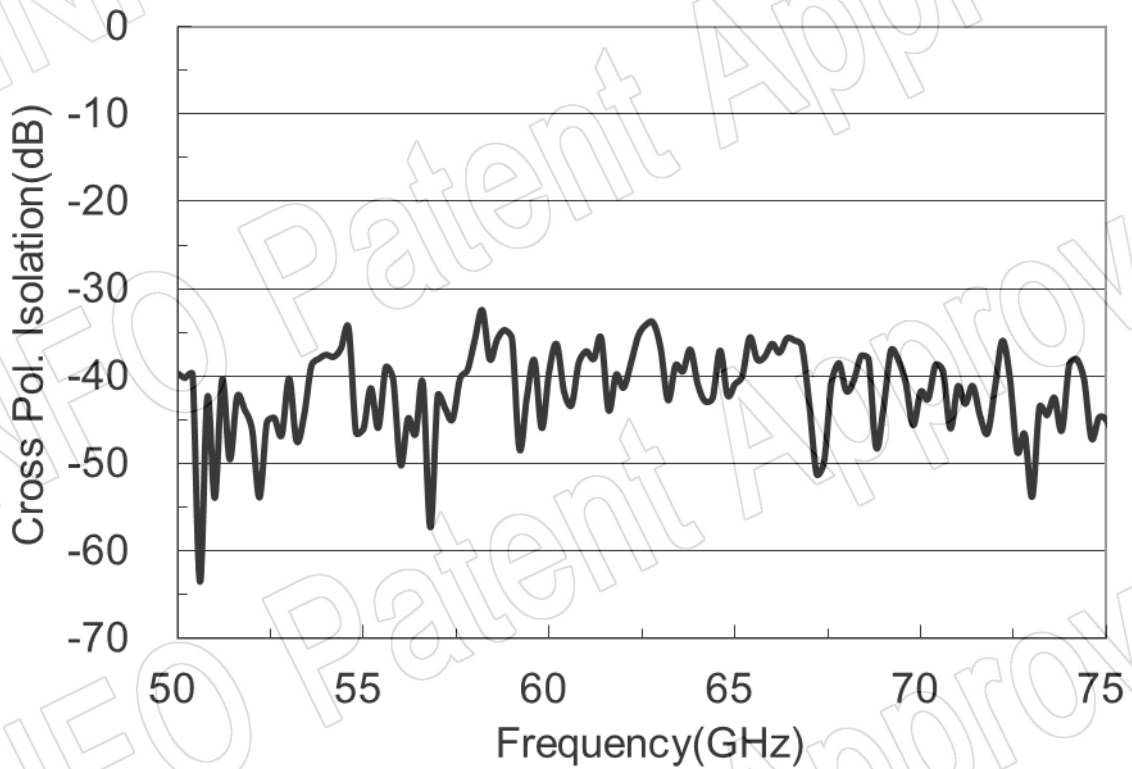
## Test Results

### 1. Gain & Antenna Factor

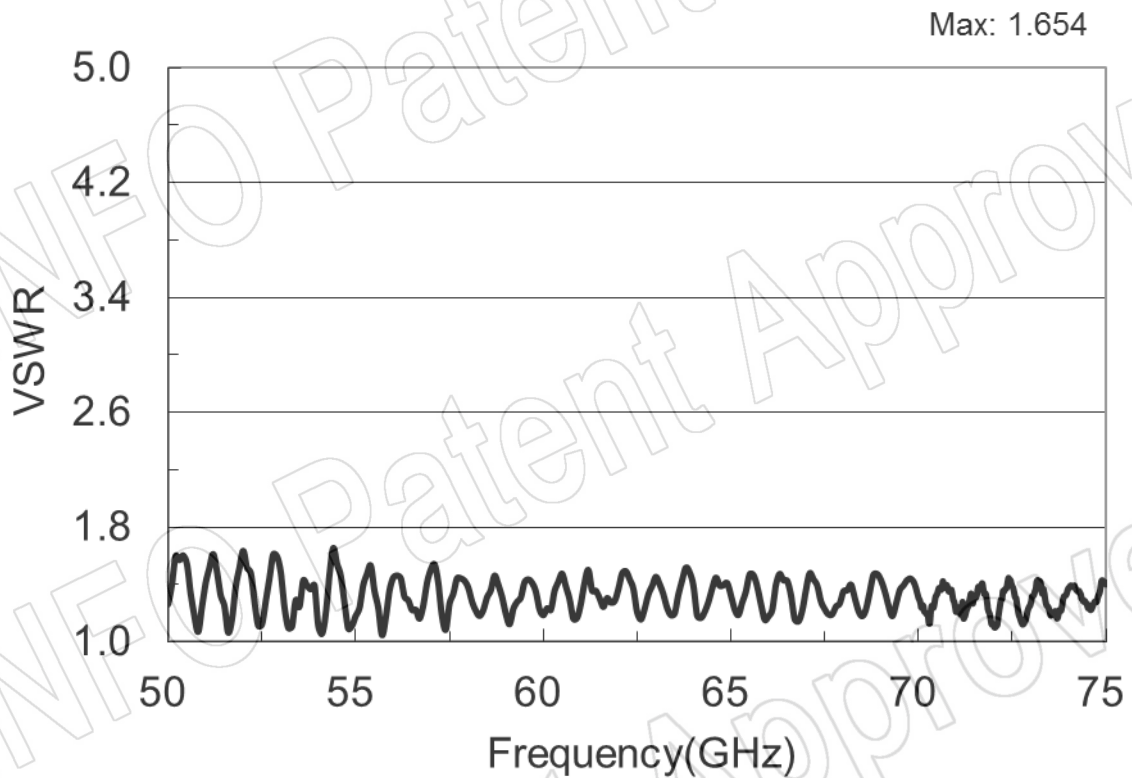




## 2. Cross Polarization Isolation

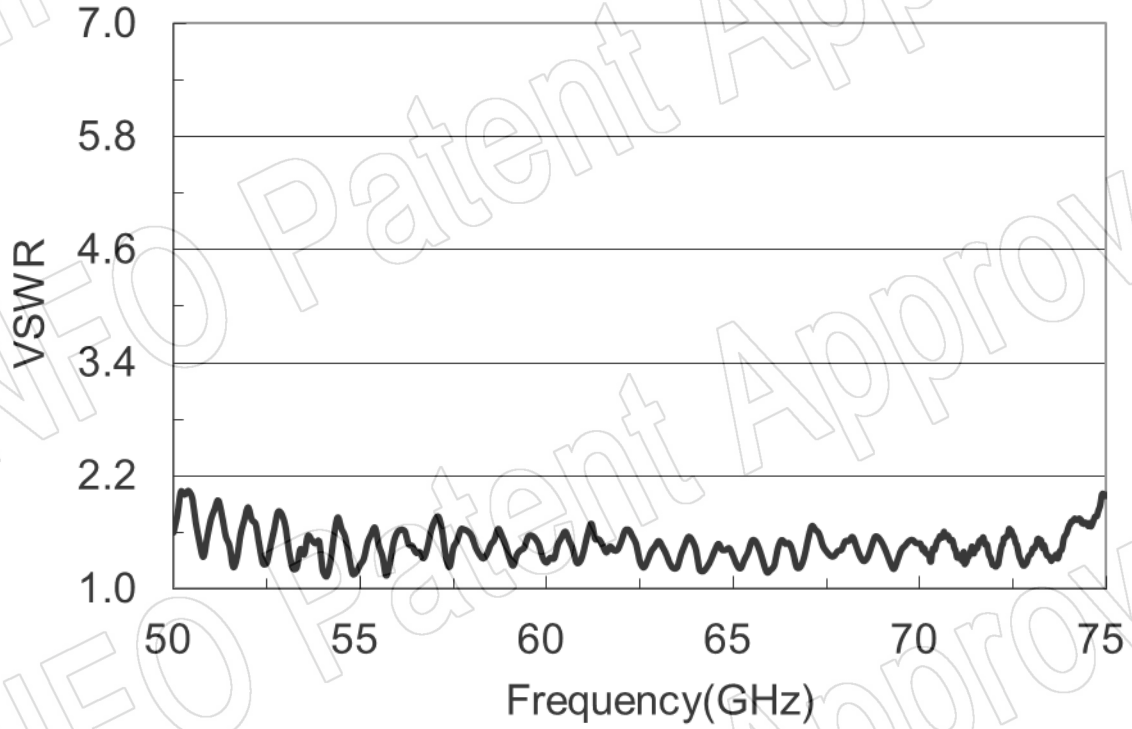


## 3. VSWR\_A Type

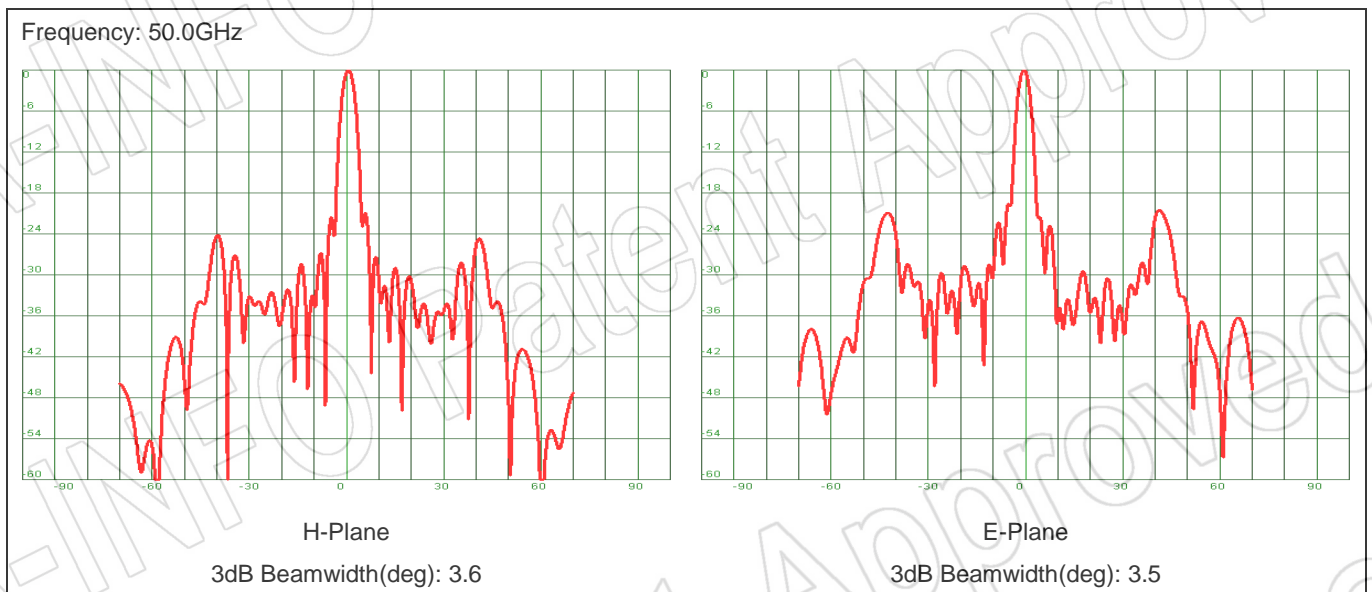


### VSWR\_C Type

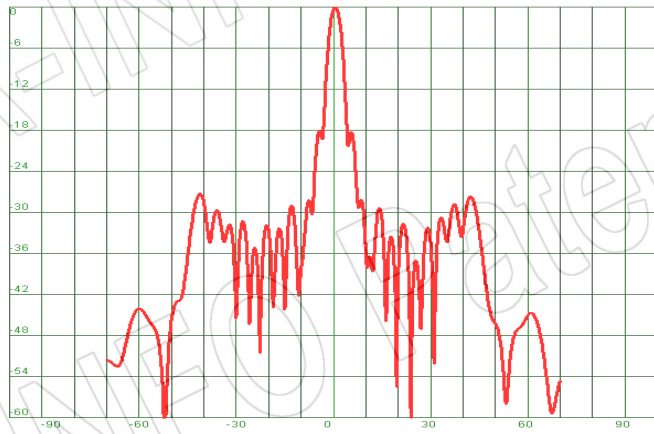
Max: 2.044



### 4. Pattern

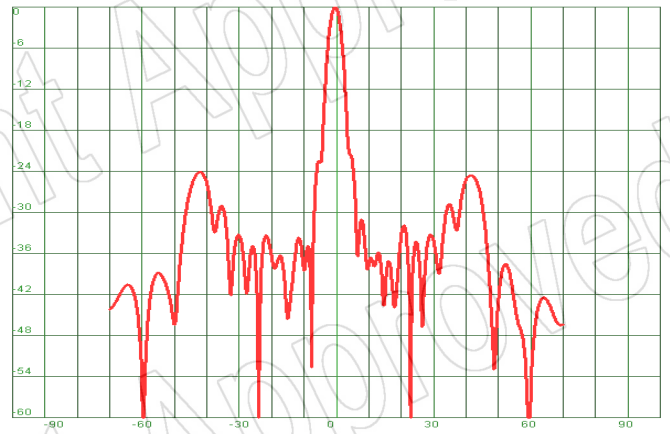


Frequency: 50.5GHz



H-Plane

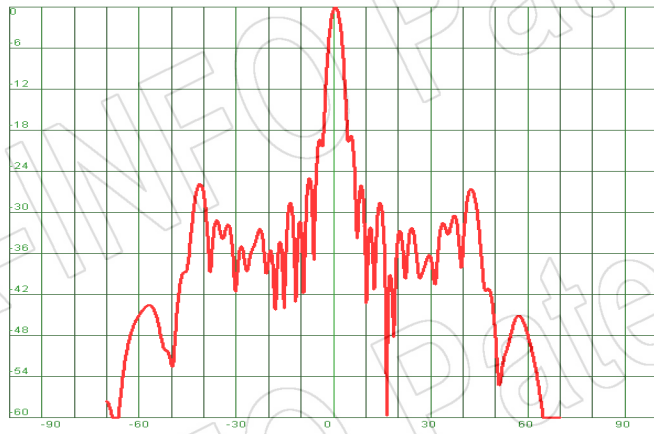
3dB Beamwidth(deg): 3.3



E-Plane

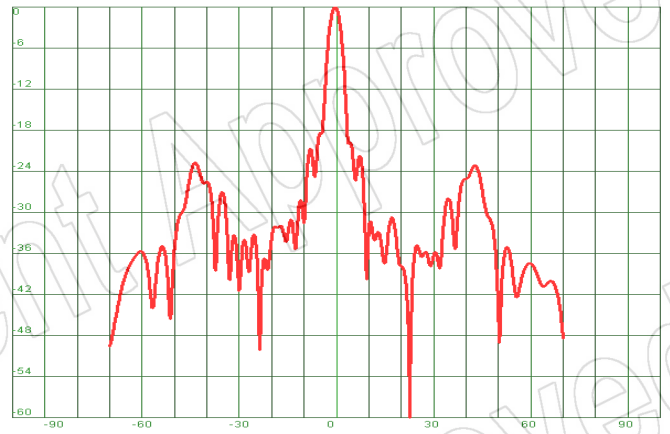
3dB Beamwidth(deg): 3.4

Frequency: 51.0GHz



H-Plane

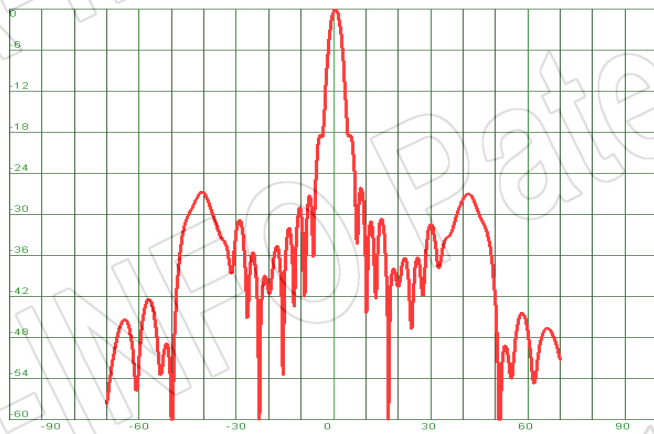
3dB Beamwidth(deg): 3.4



E-Plane

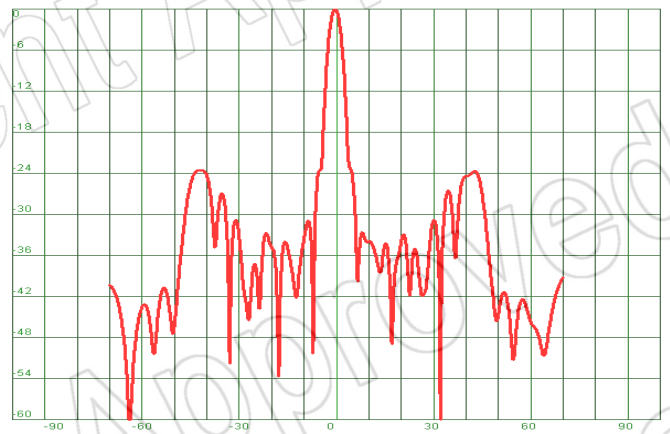
3dB Beamwidth(deg): 3.4

Frequency: 51.5GHz



H-Plane

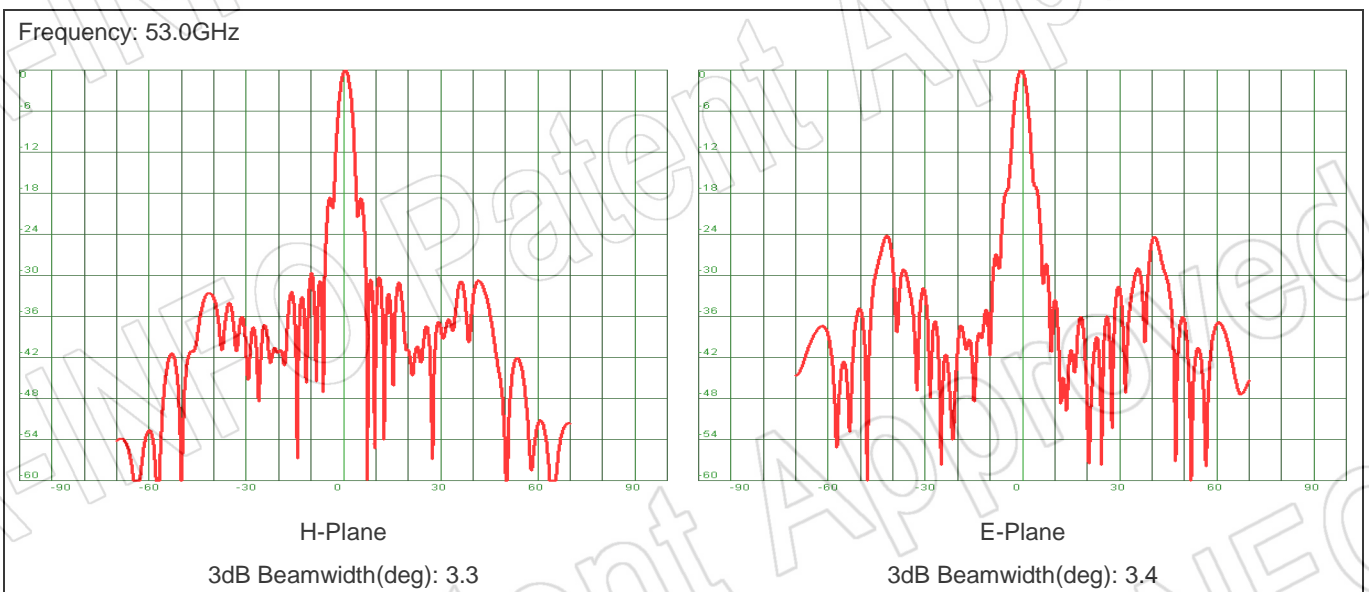
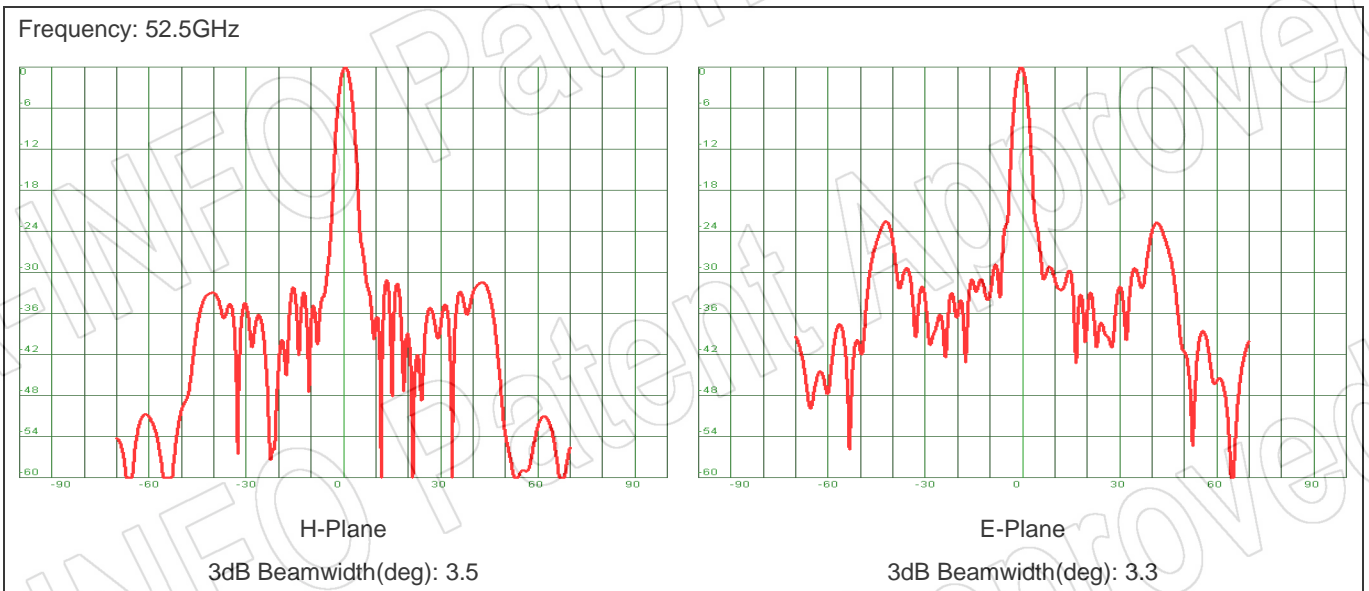
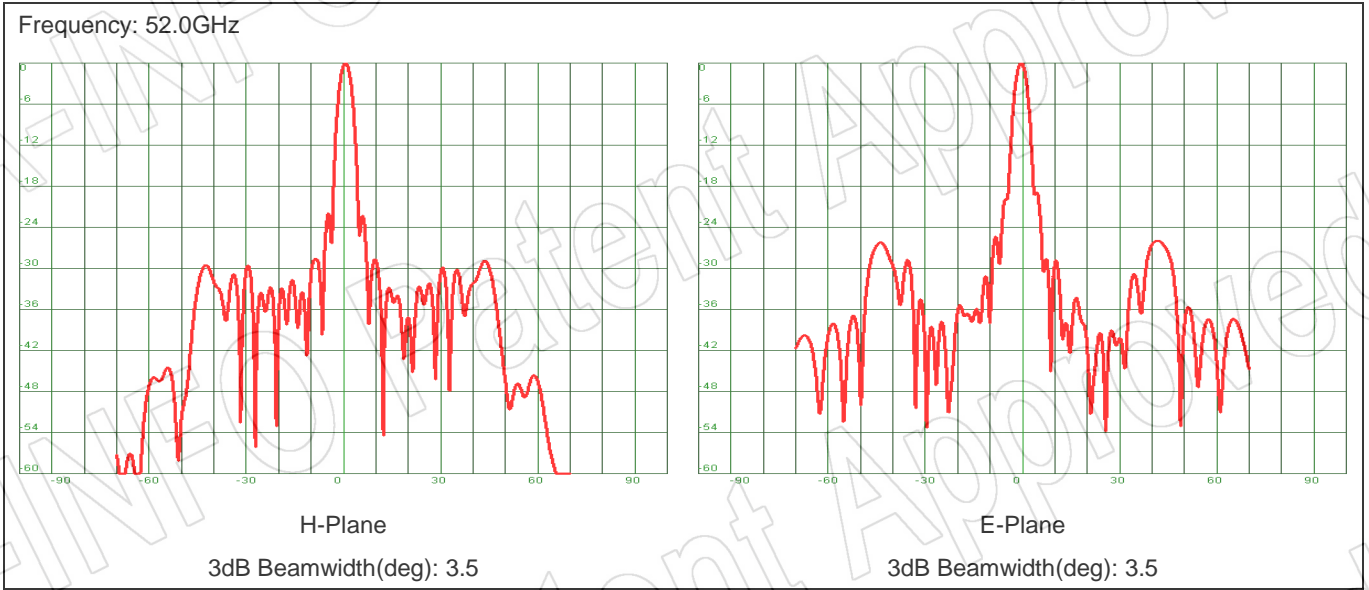
3dB Beamwidth(deg): 3.3



E-Plane

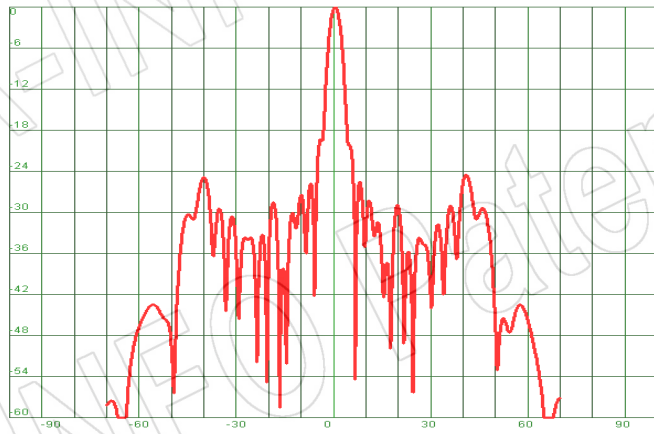
3dB Beamwidth(deg): 3.4





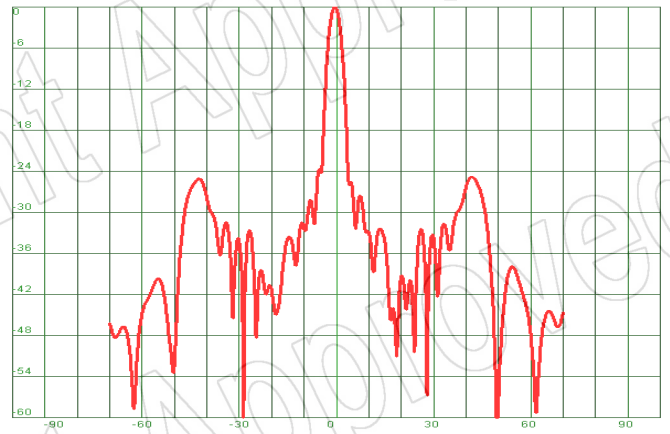


Frequency: 53.5GHz



H-Plane

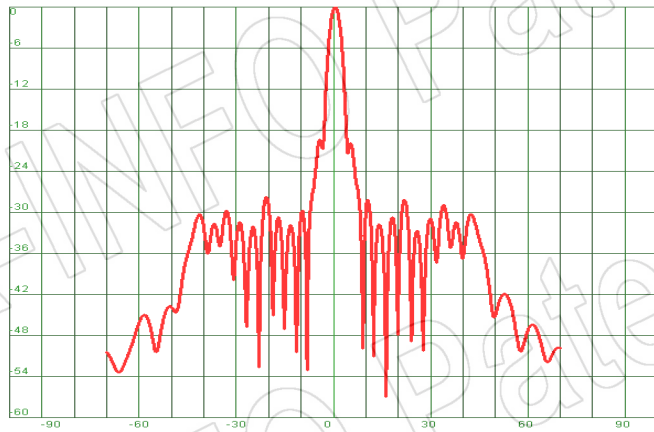
3dB Beamwidth(deg): 3.3



E-Plane

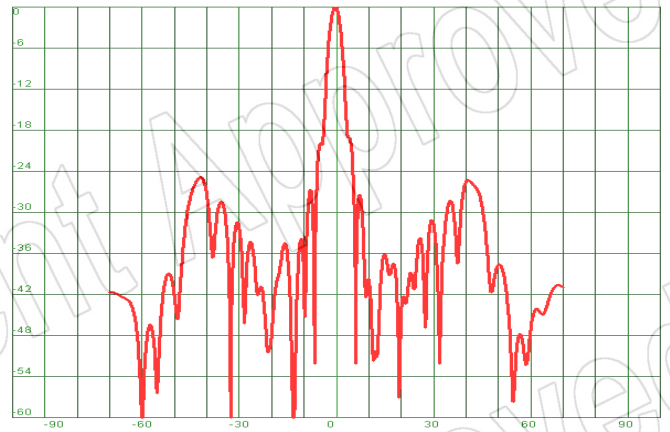
3dB Beamwidth(deg): 3.2

Frequency: 54.0GHz



H-Plane

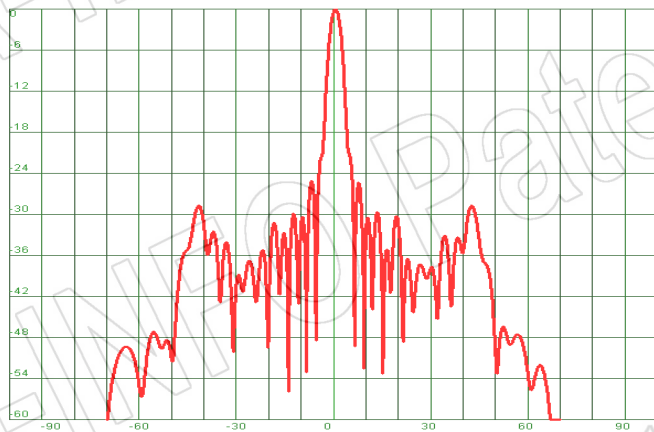
3dB Beamwidth(deg): 3.1



E-Plane

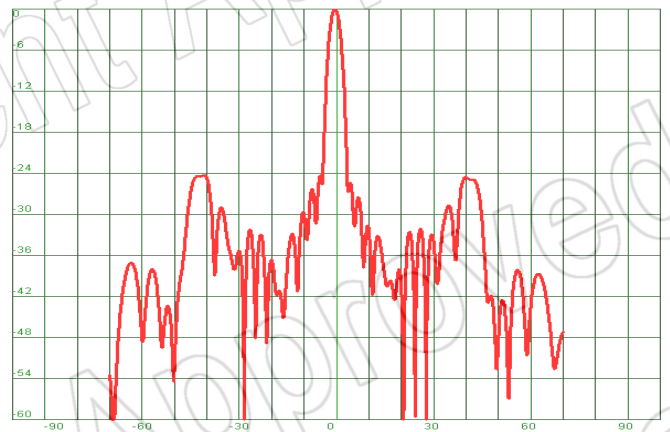
3dB Beamwidth(deg): 3.2

Frequency: 54.5GHz



H-Plane

3dB Beamwidth(deg): 3.2

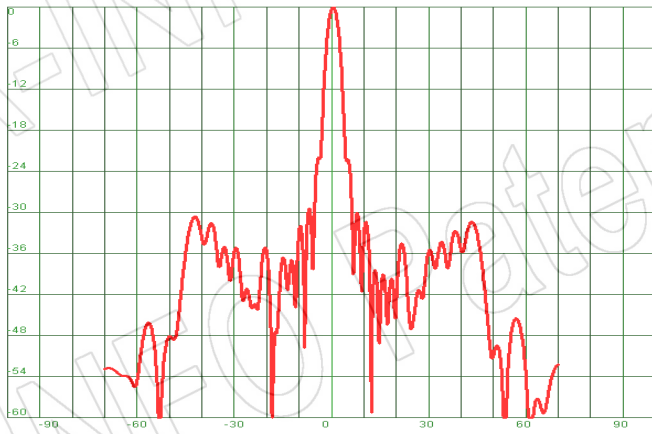


E-Plane

3dB Beamwidth(deg): 3.1

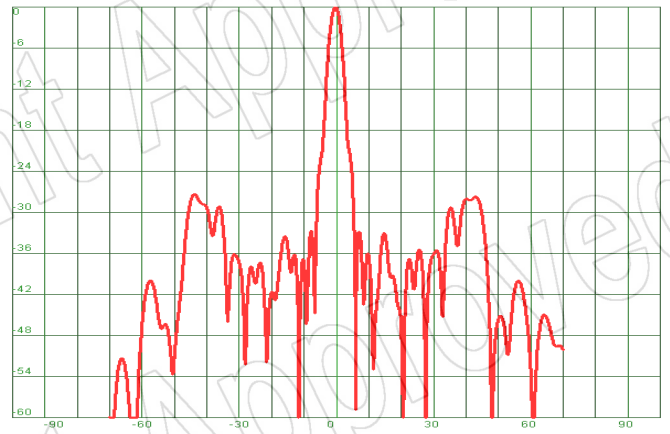


Frequency: 55.0GHz



H-Plane

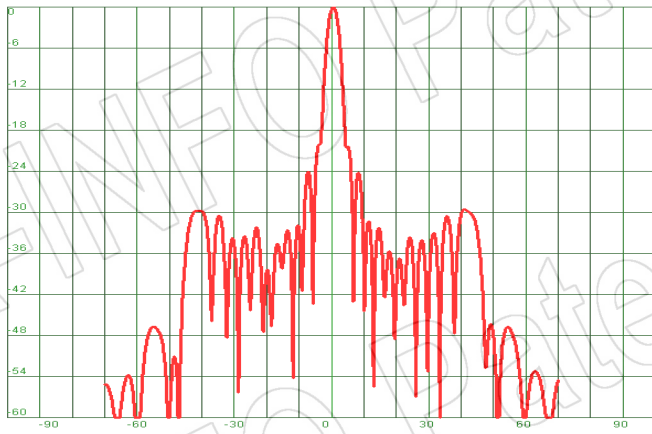
3dB Beamwidth(deg): 3.2



E-Plane

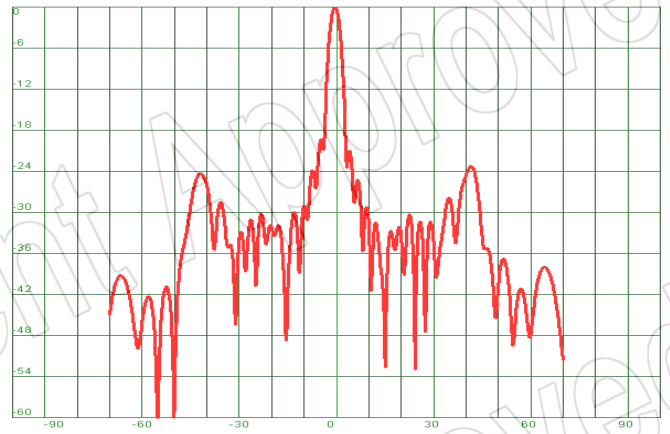
3dB Beamwidth(deg): 3.1

Frequency: 55.5GHz



H-Plane

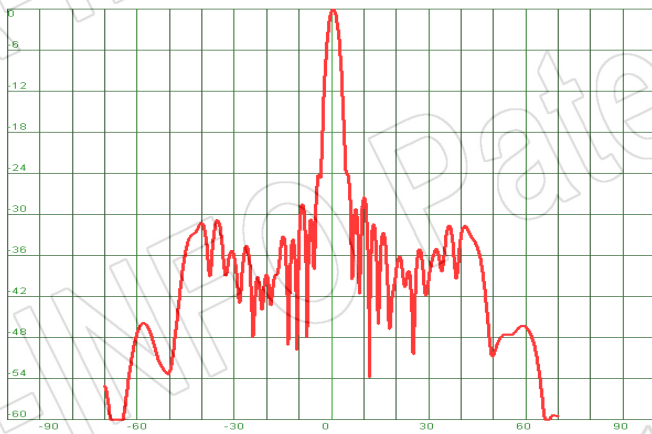
3dB Beamwidth(deg): 3.3



E-Plane

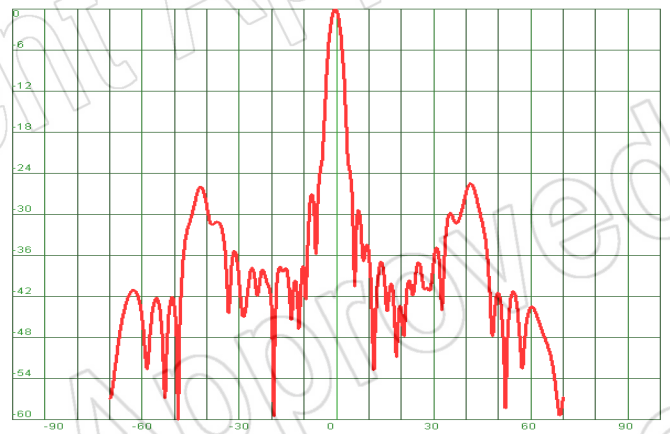
3dB Beamwidth(deg): 3.0

Frequency: 56.0GHz



H-Plane

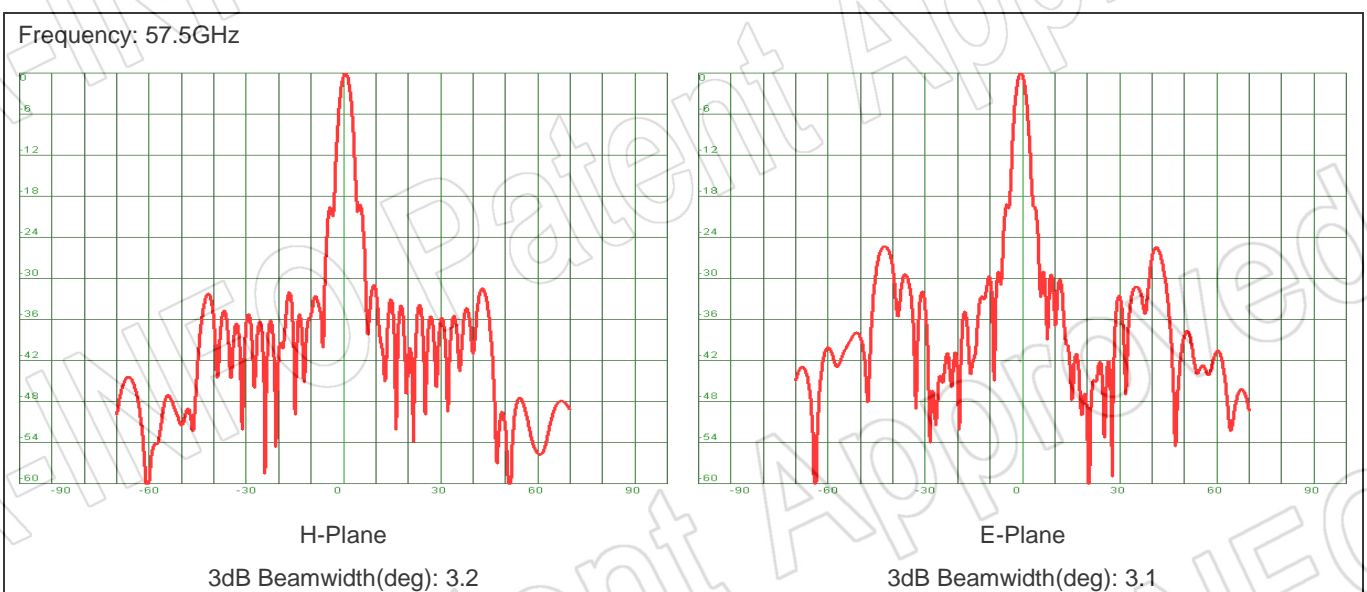
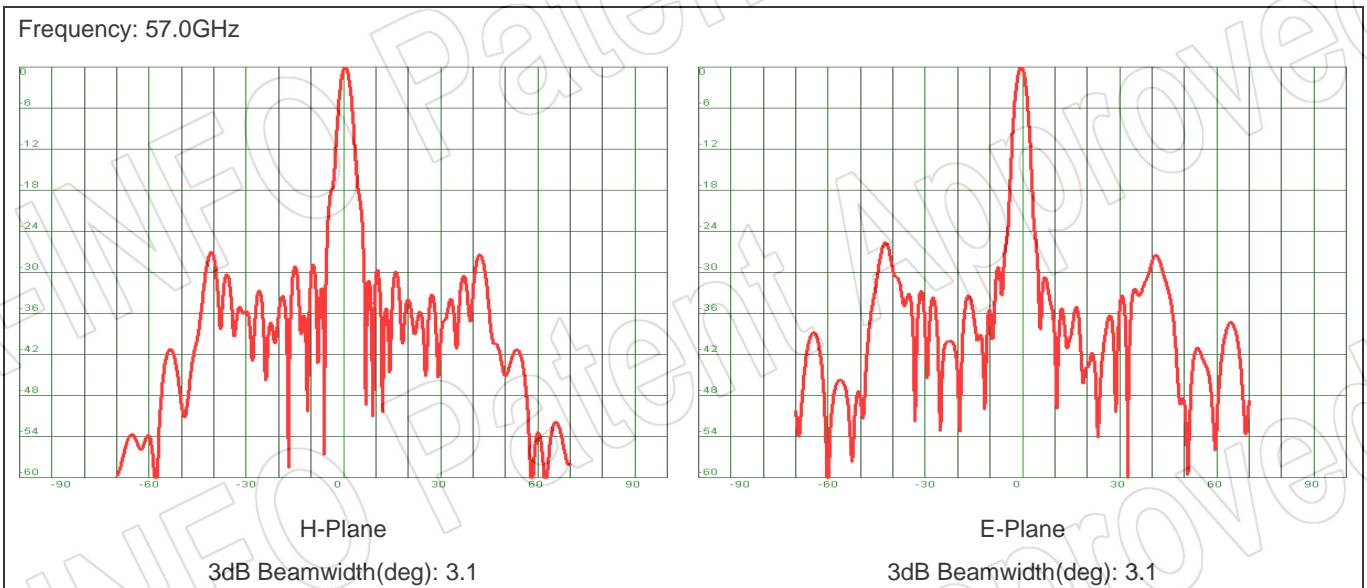
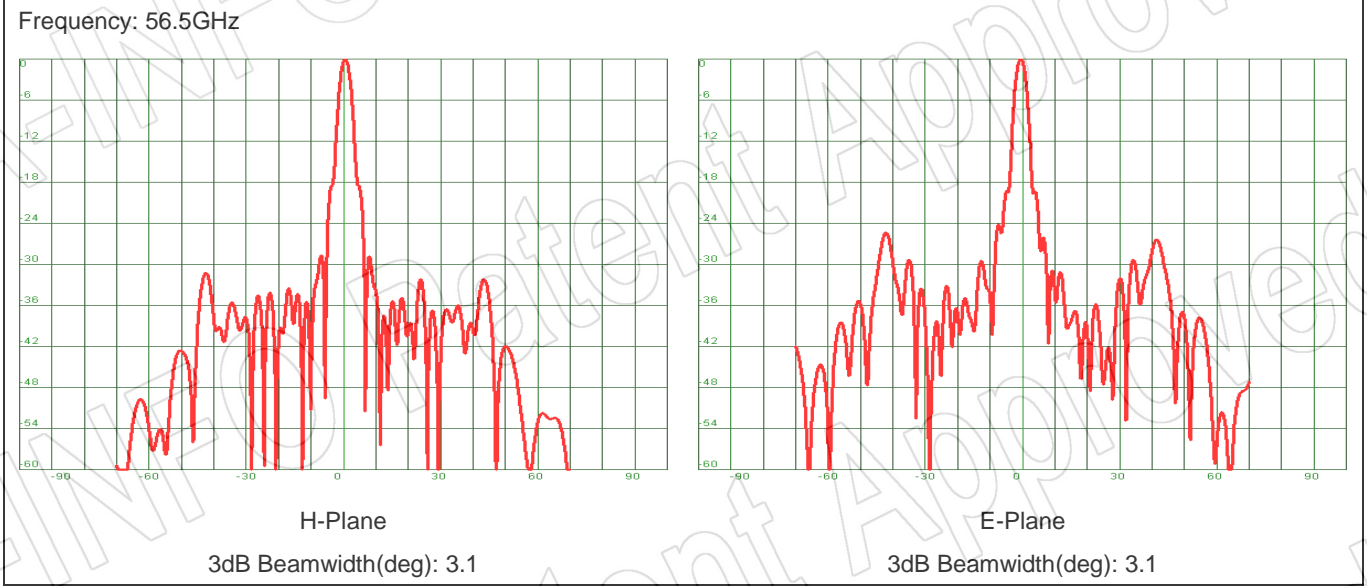
3dB Beamwidth(deg): 3.1

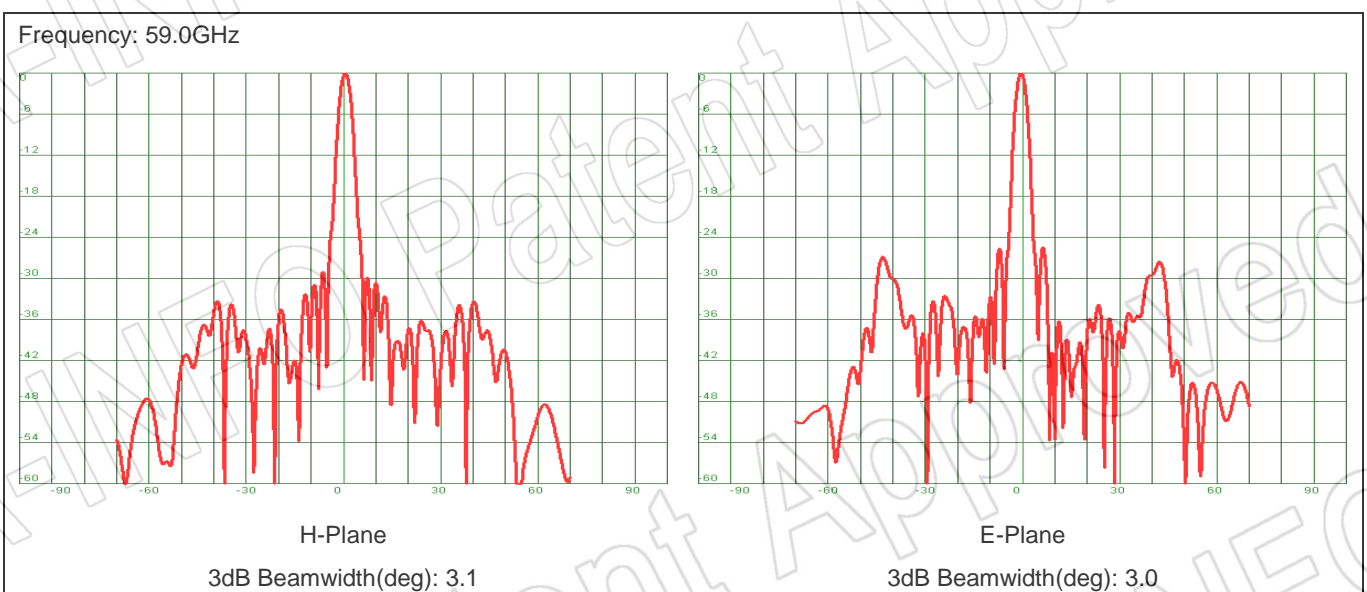
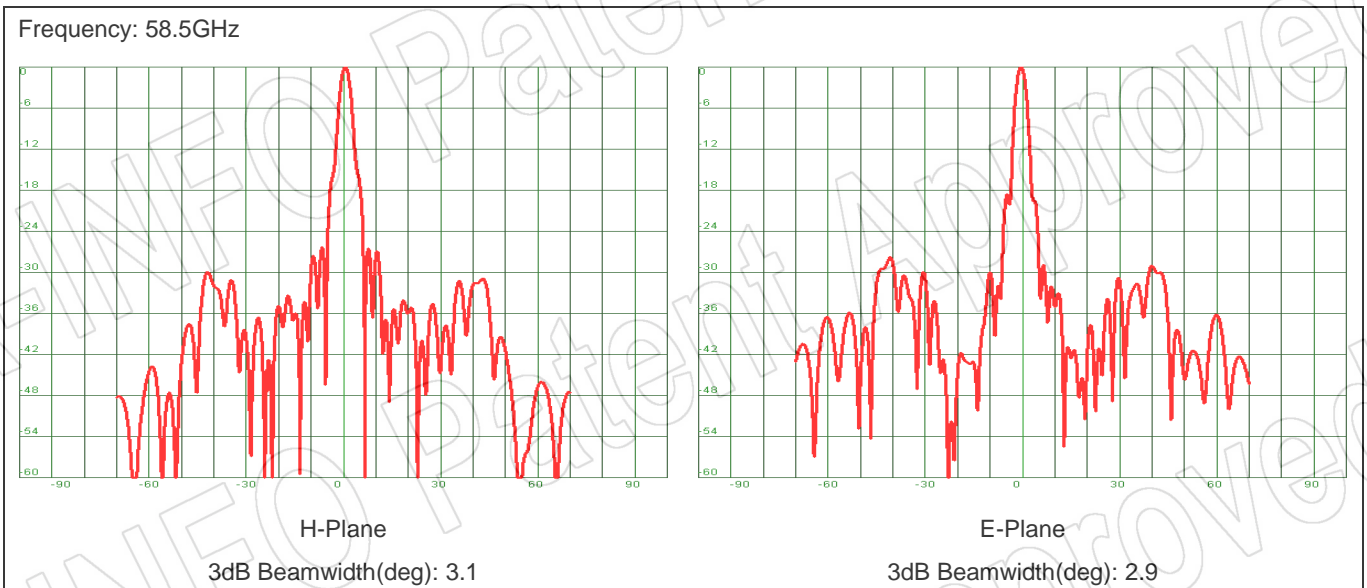
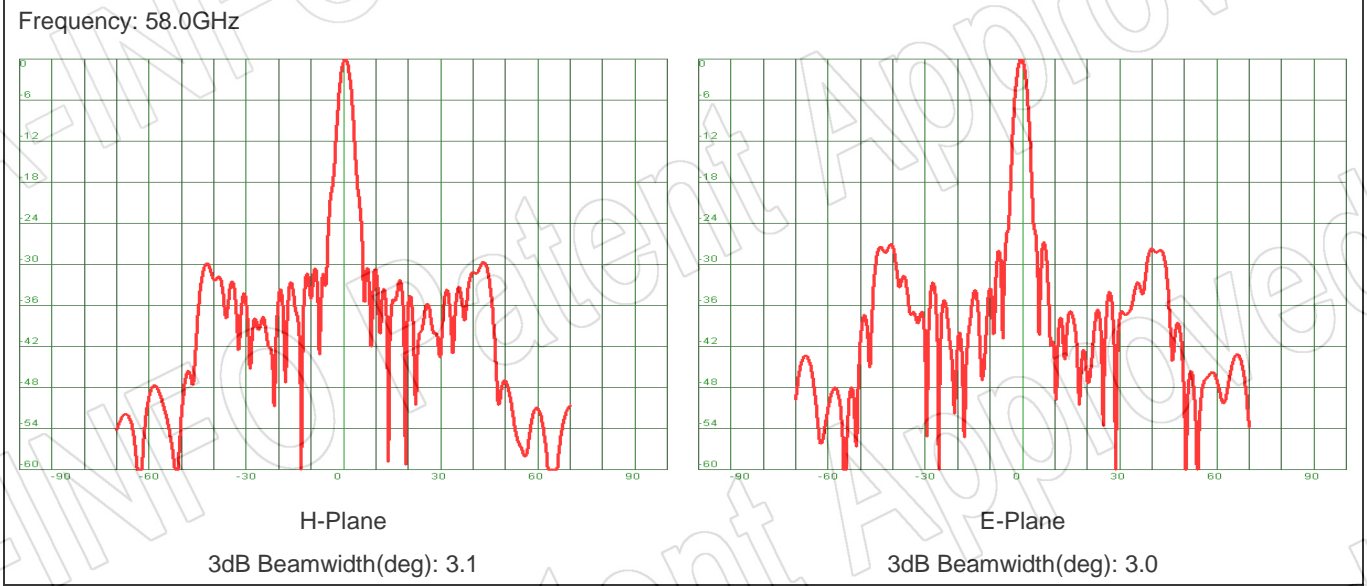


E-Plane

3dB Beamwidth(deg): 3.1

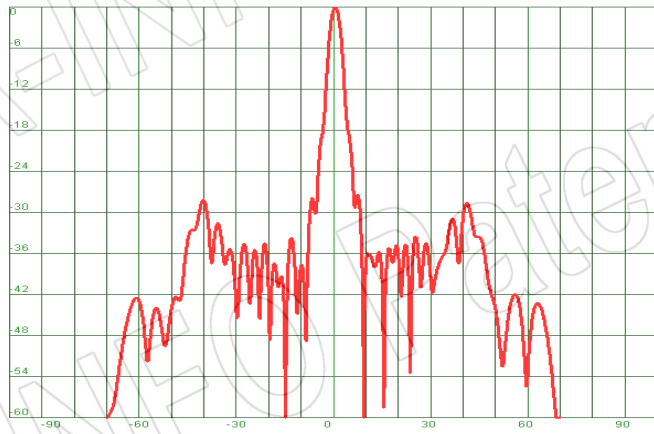






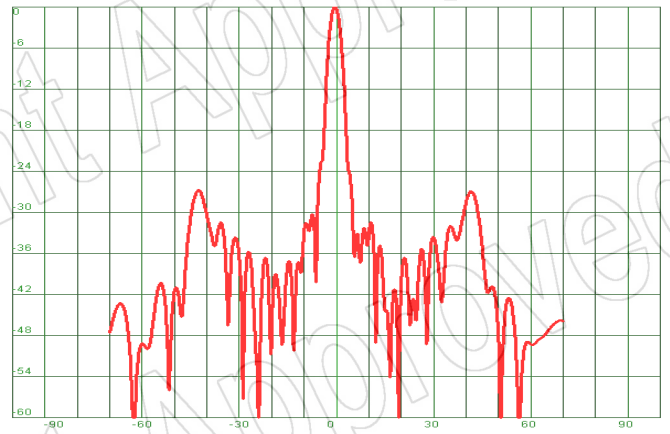


Frequency: 59.5GHz



H-Plane

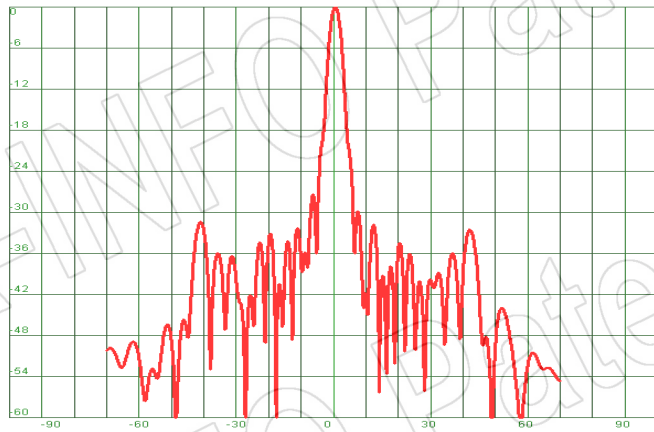
3dB Beamwidth(deg): 3.1



E-Plane

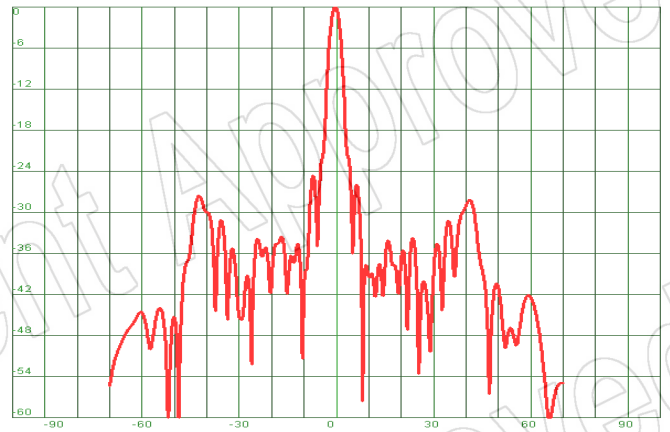
3dB Beamwidth(deg): 3.1

Frequency: 60.0GHz



H-Plane

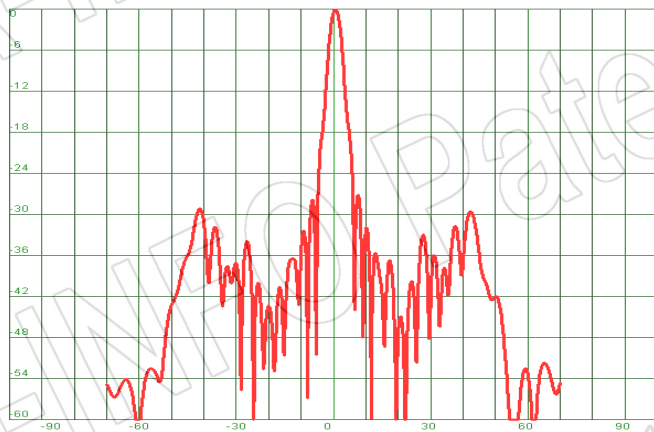
3dB Beamwidth(deg): 3.1



E-Plane

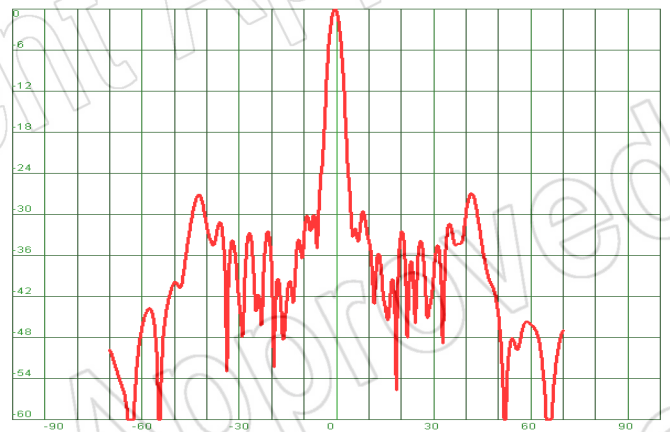
3dB Beamwidth(deg): 2.9

Frequency: 60.5GHz



H-Plane

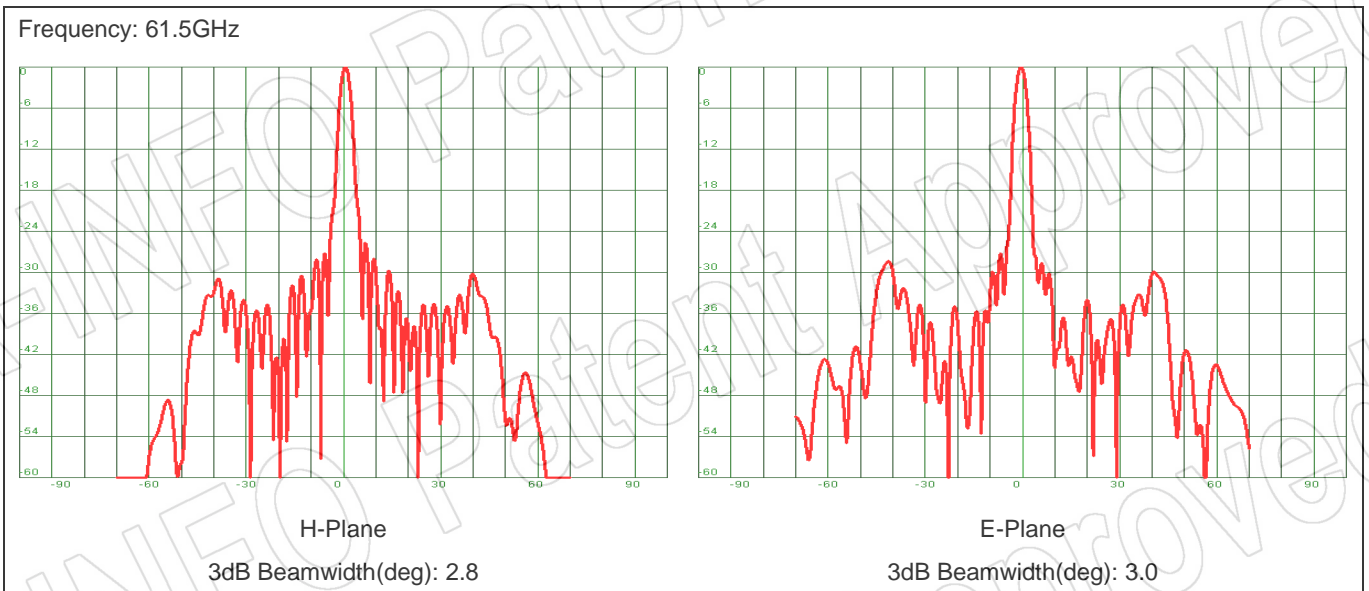
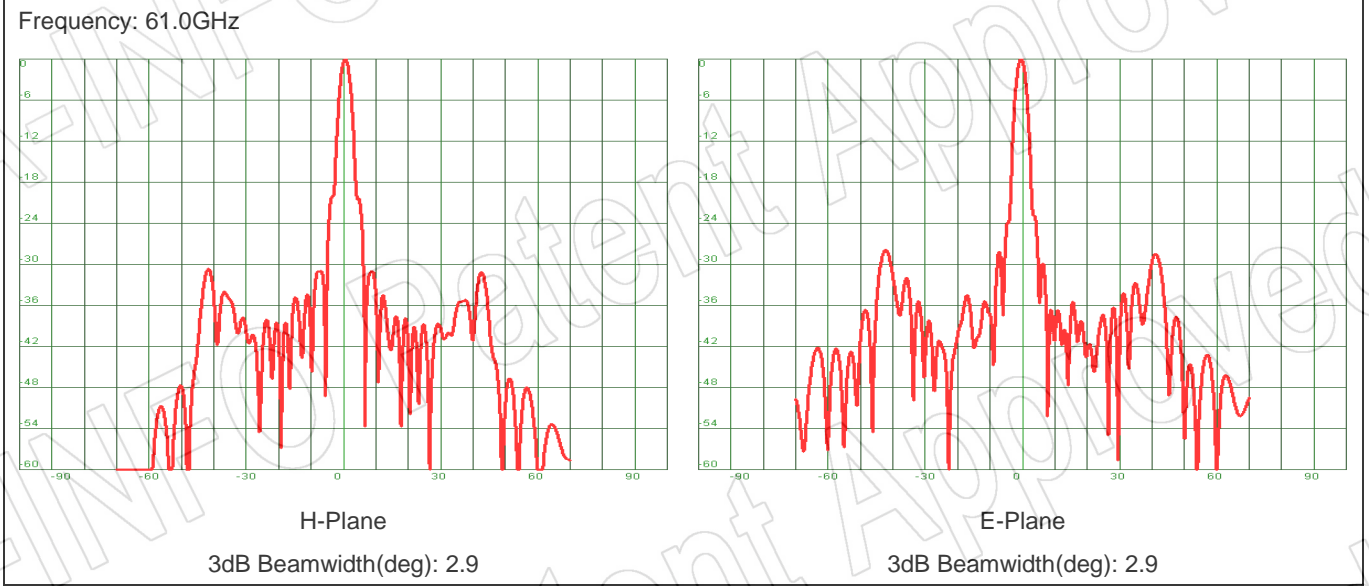
3dB Beamwidth(deg): 3.1



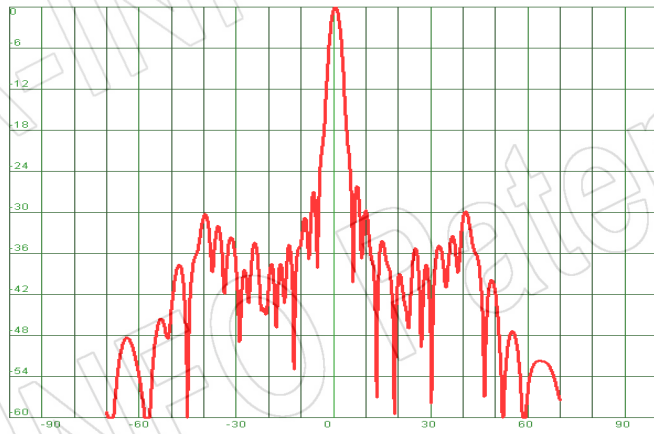
E-Plane

3dB Beamwidth(deg): 3.0



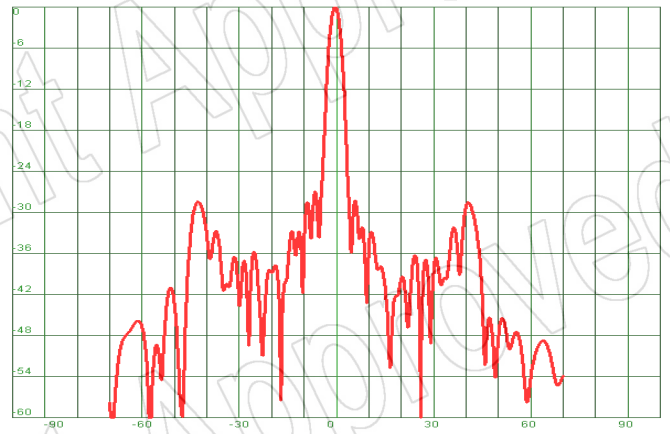


Frequency: 62.5GHz



H-Plane

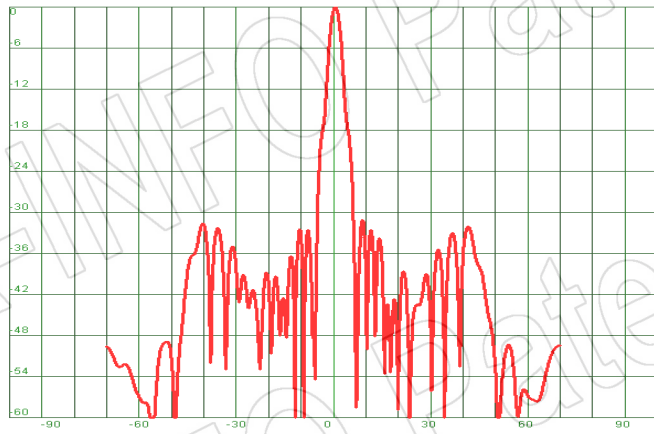
3dB Beamwidth(deg): 3.0



E-Plane

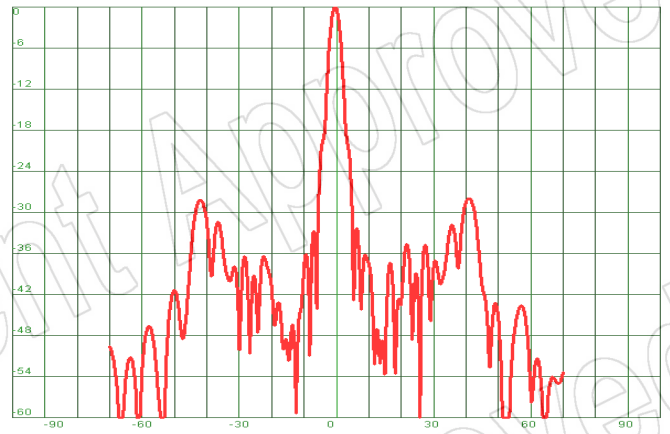
3dB Beamwidth(deg): 3.0

Frequency: 63.0GHz



H-Plane

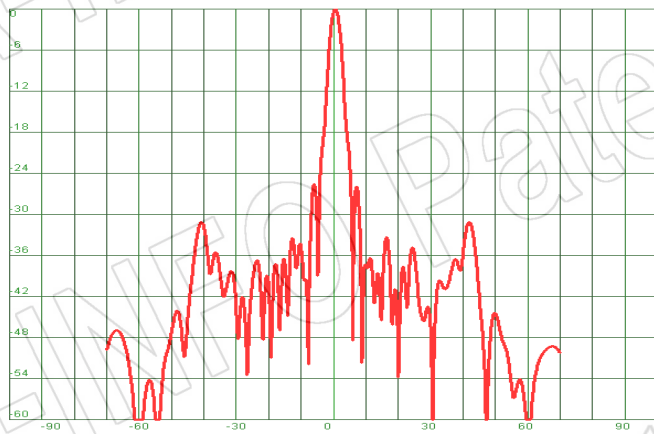
3dB Beamwidth(deg): 2.9



E-Plane

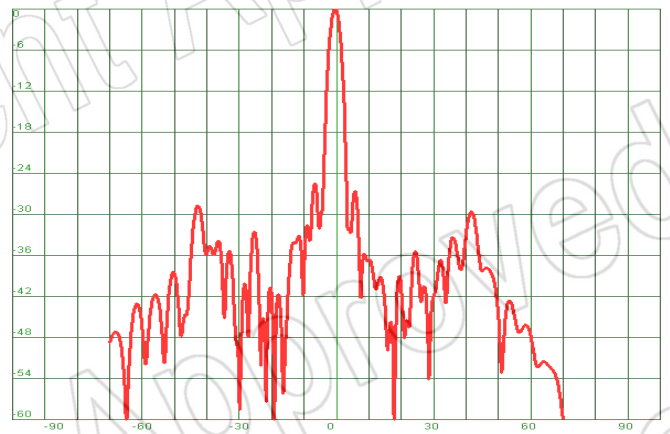
3dB Beamwidth(deg): 2.8

Frequency: 63.5GHz



H-Plane

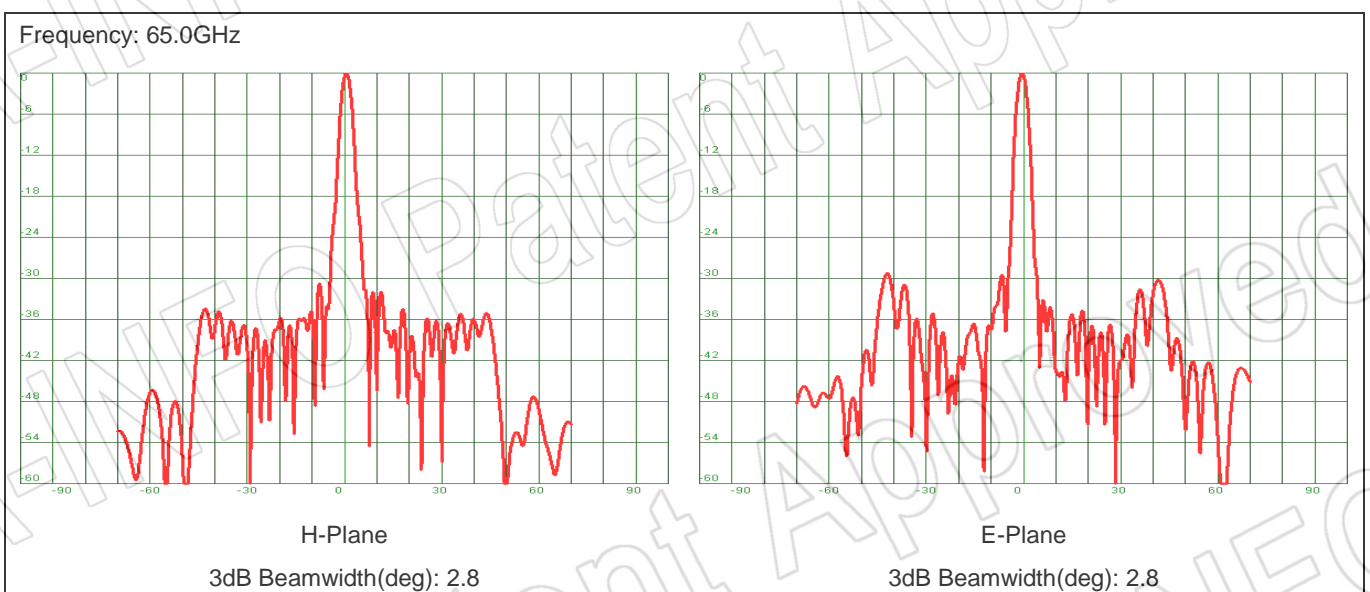
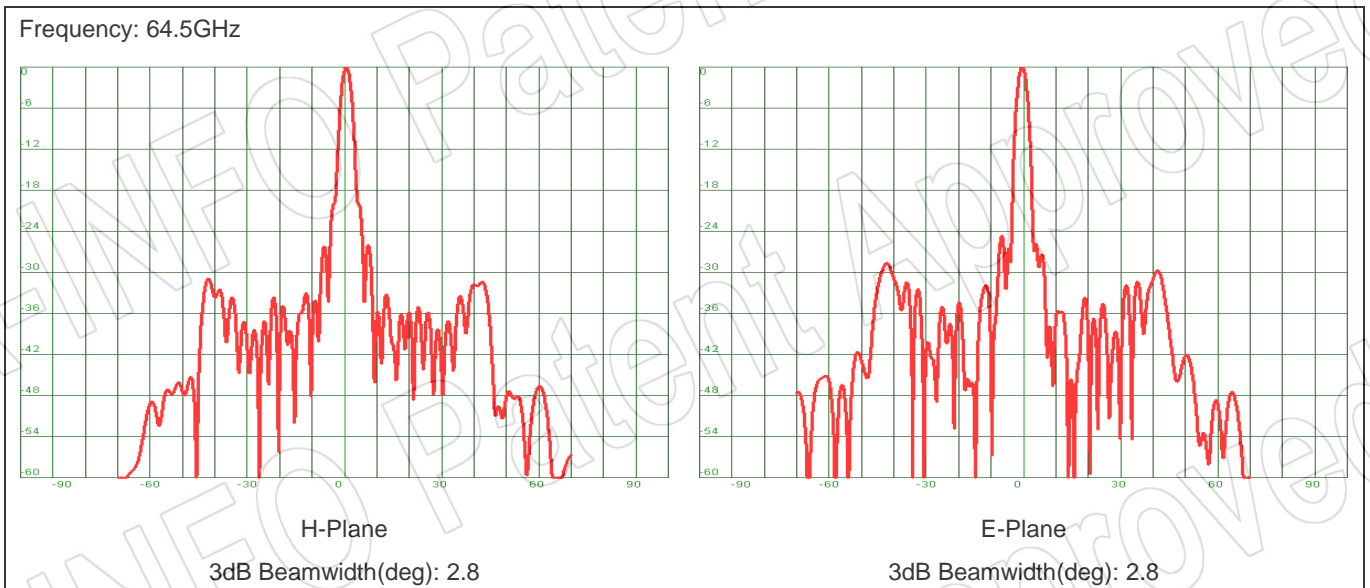
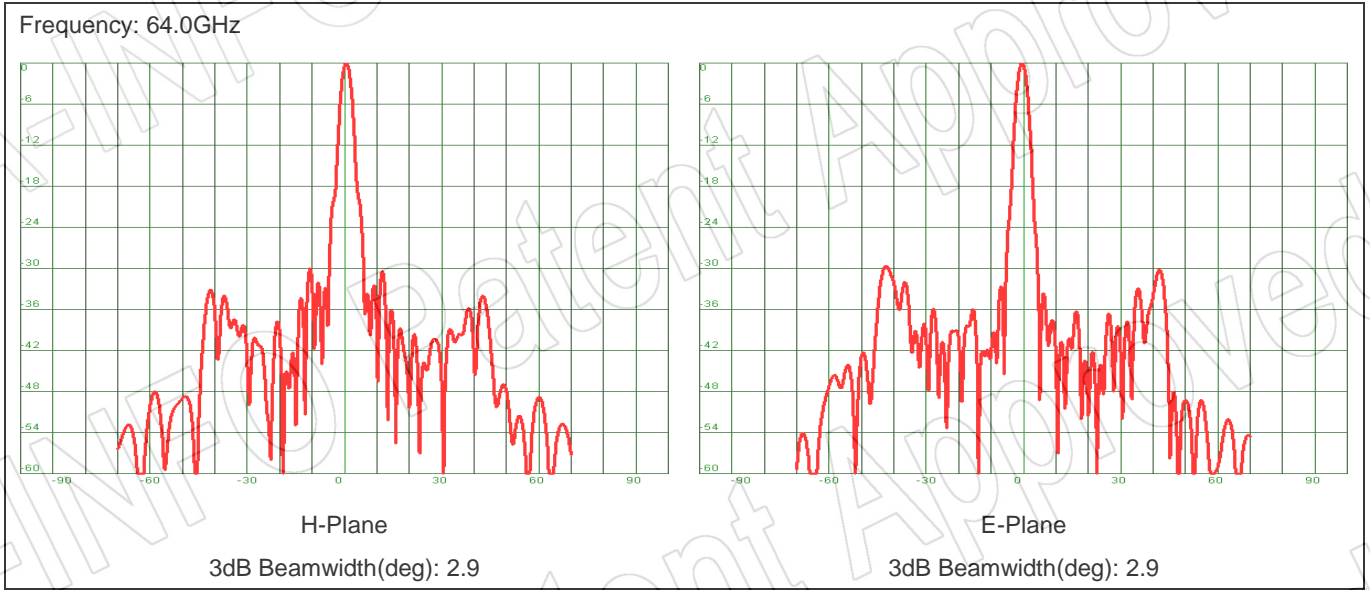
3dB Beamwidth(deg): 2.9



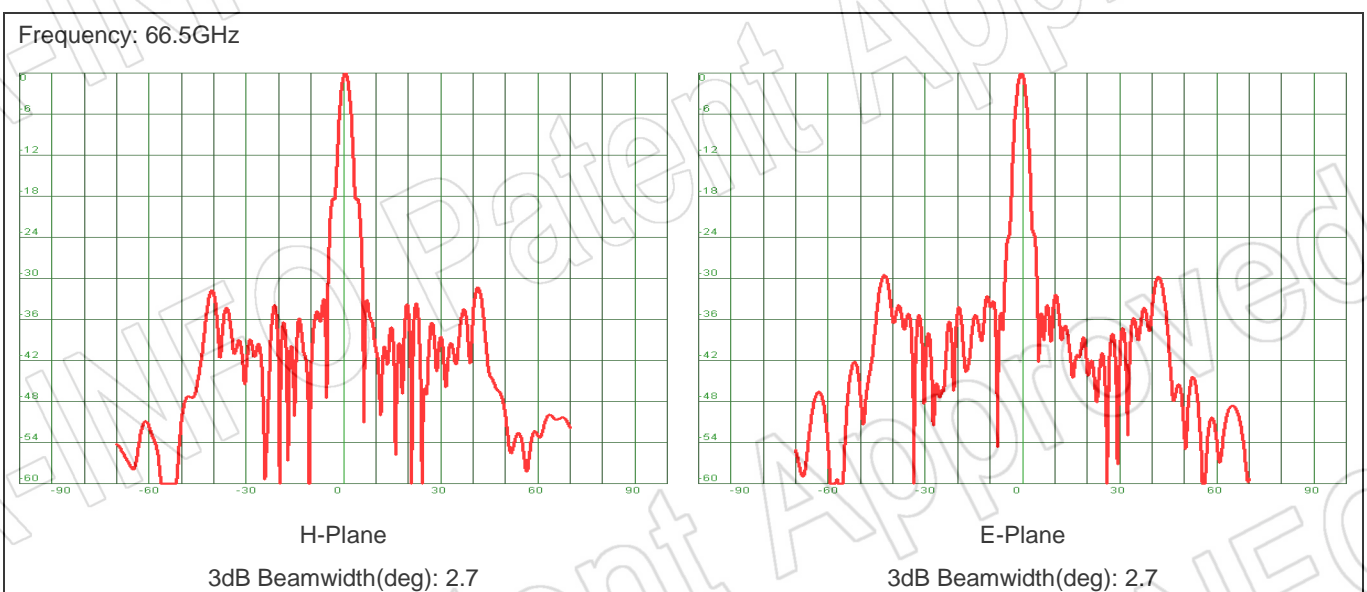
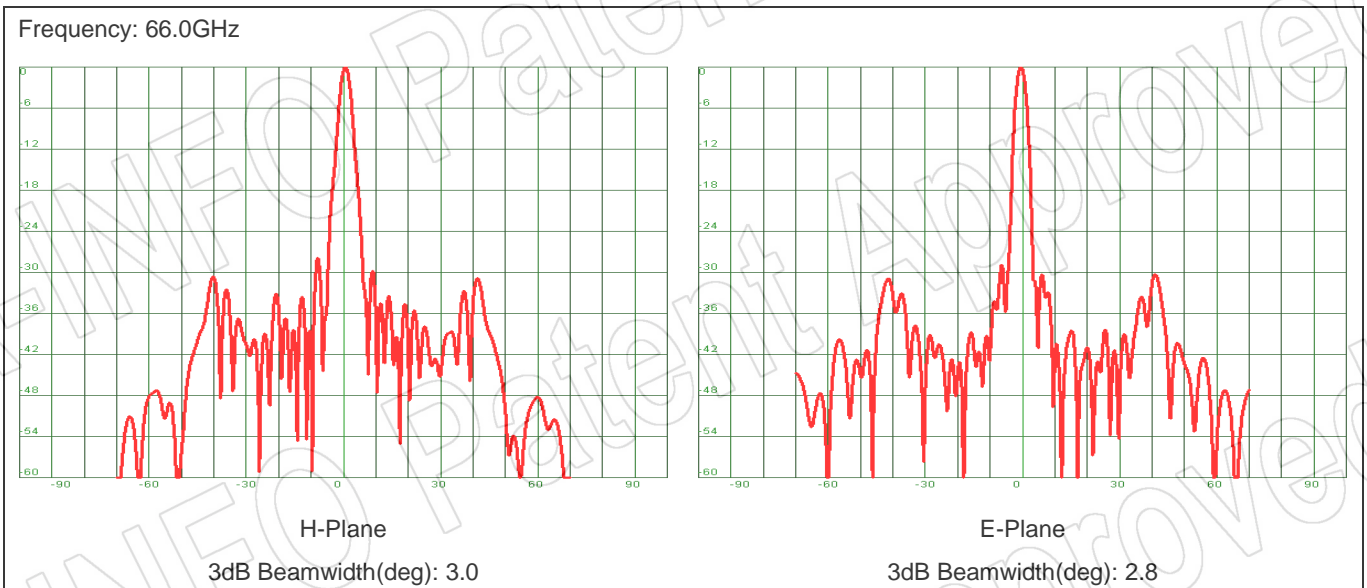
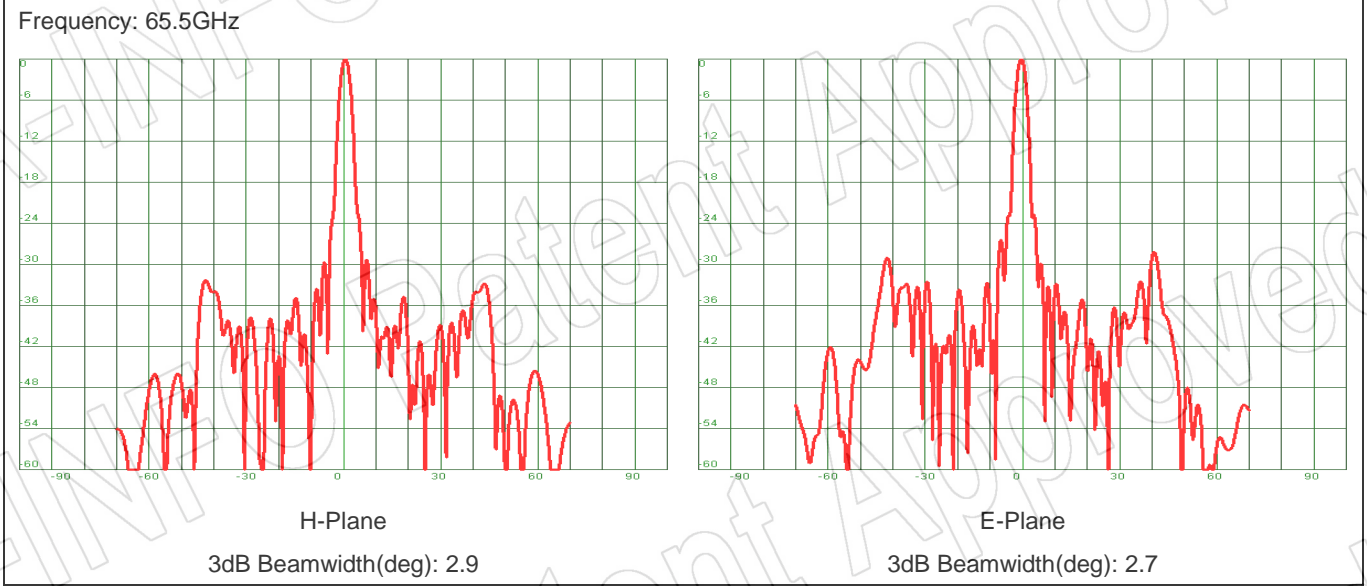
E-Plane

3dB Beamwidth(deg): 2.9

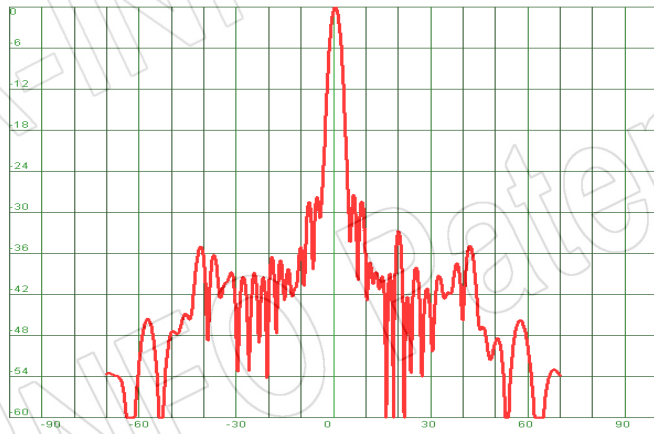






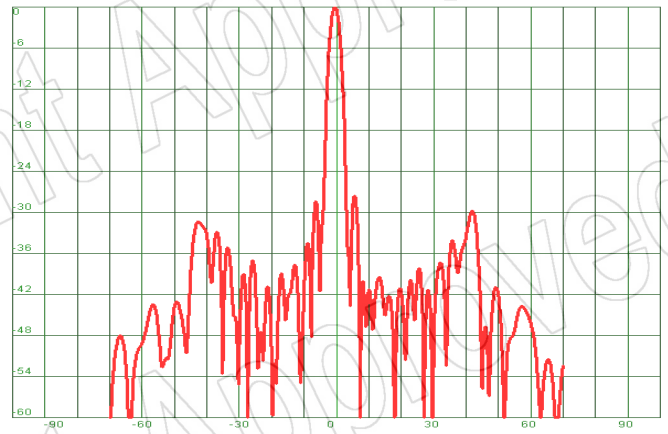


Frequency: 67.0GHz



H-Plane

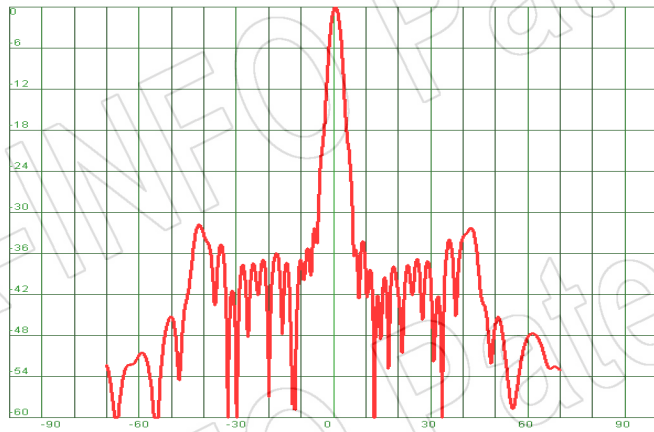
3dB Beamwidth(deg): 2.7



E-Plane

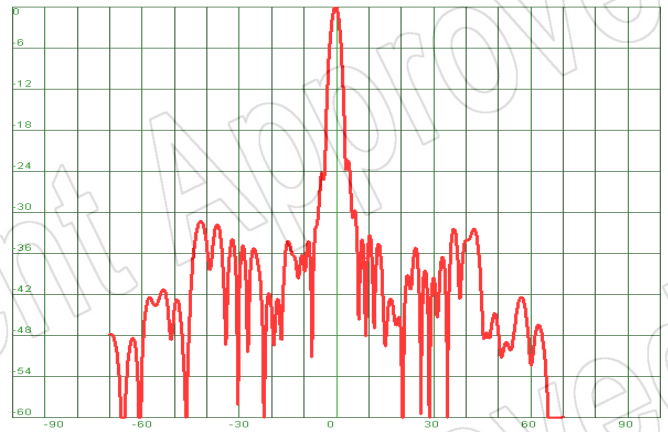
3dB Beamwidth(deg): 2.7

Frequency: 67.5GHz



H-Plane

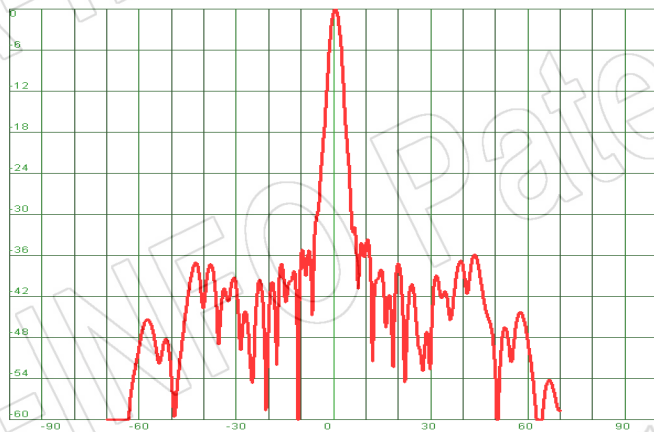
3dB Beamwidth(deg): 3.0



E-Plane

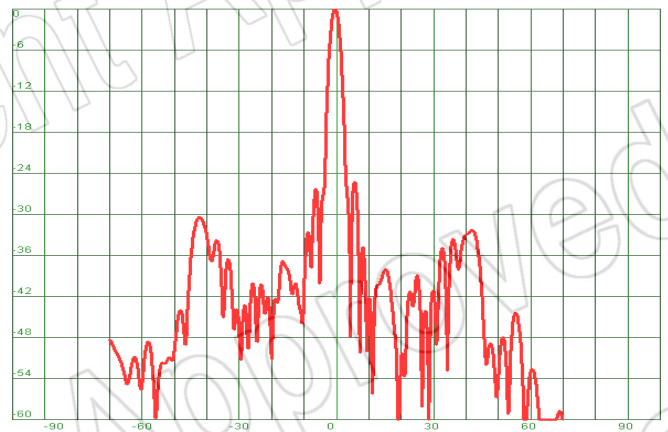
3dB Beamwidth(deg): 2.7

Frequency: 68.0GHz



H-Plane

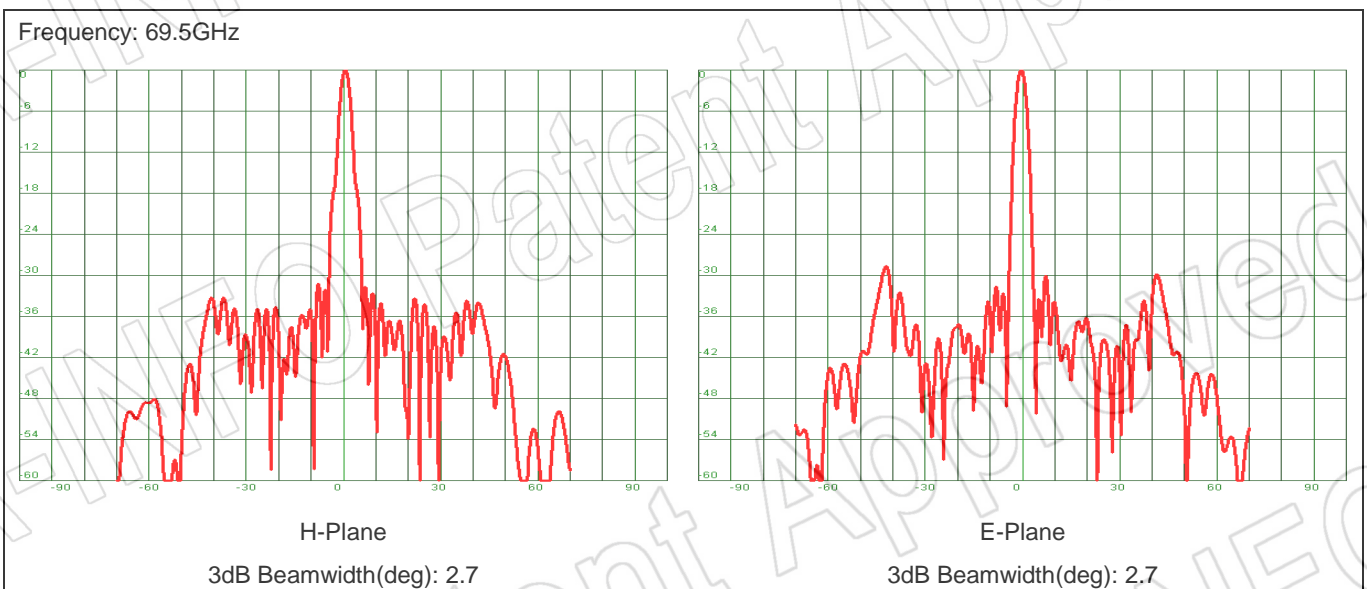
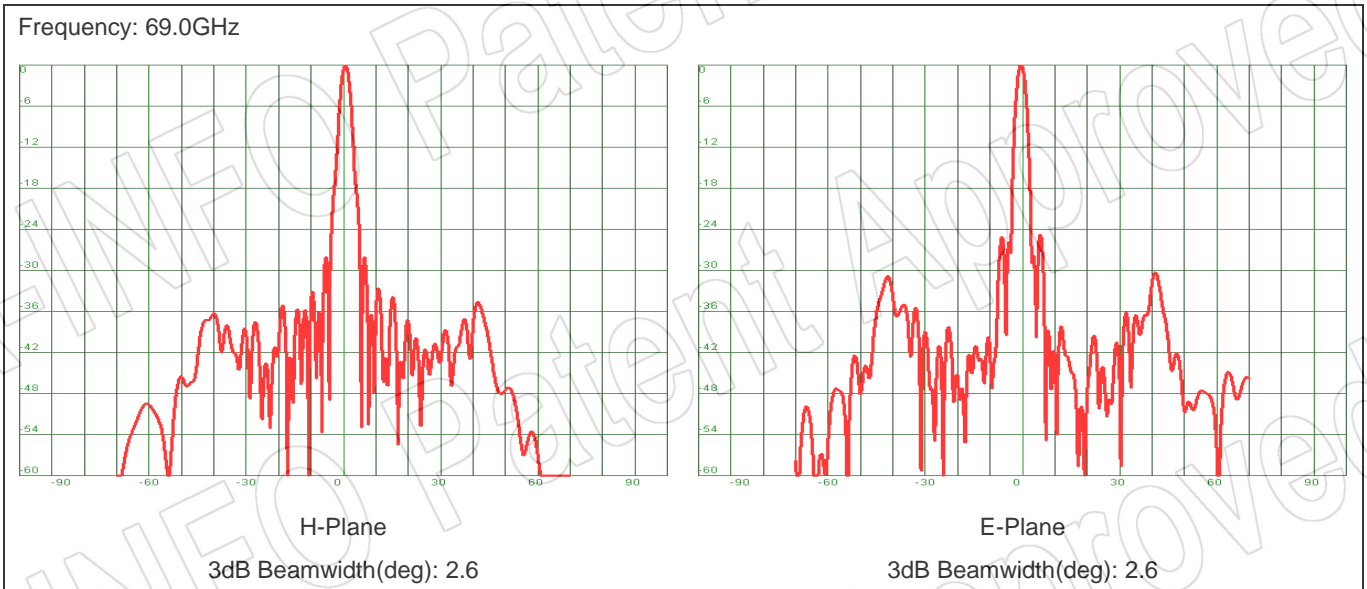
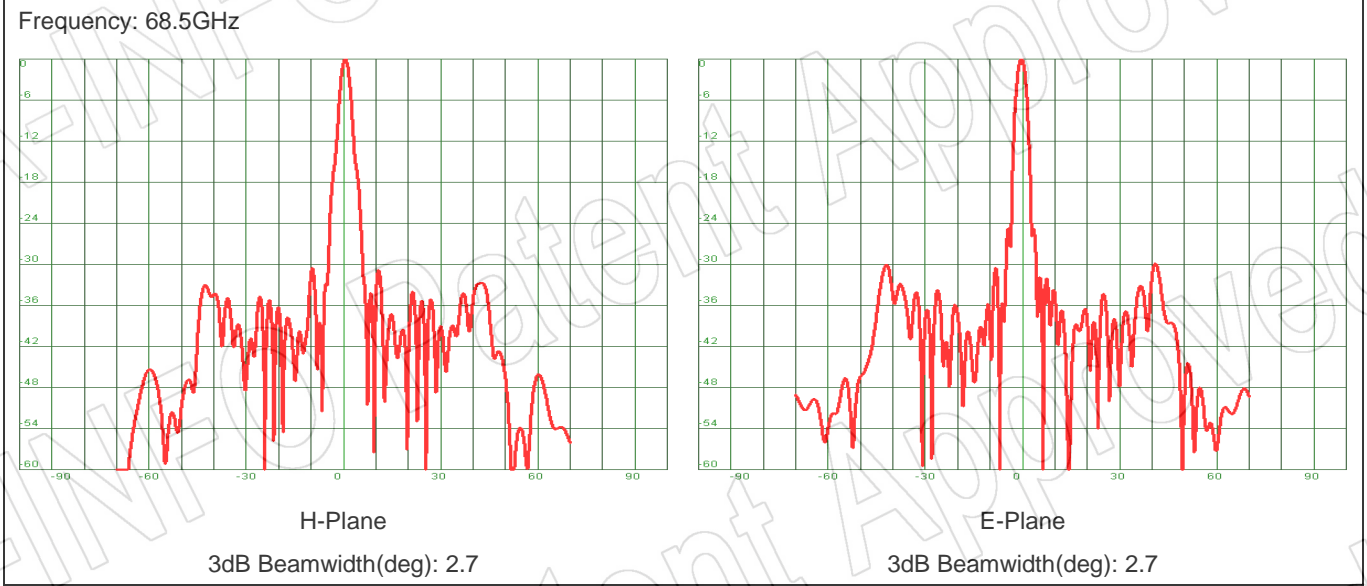
3dB Beamwidth(deg): 2.7

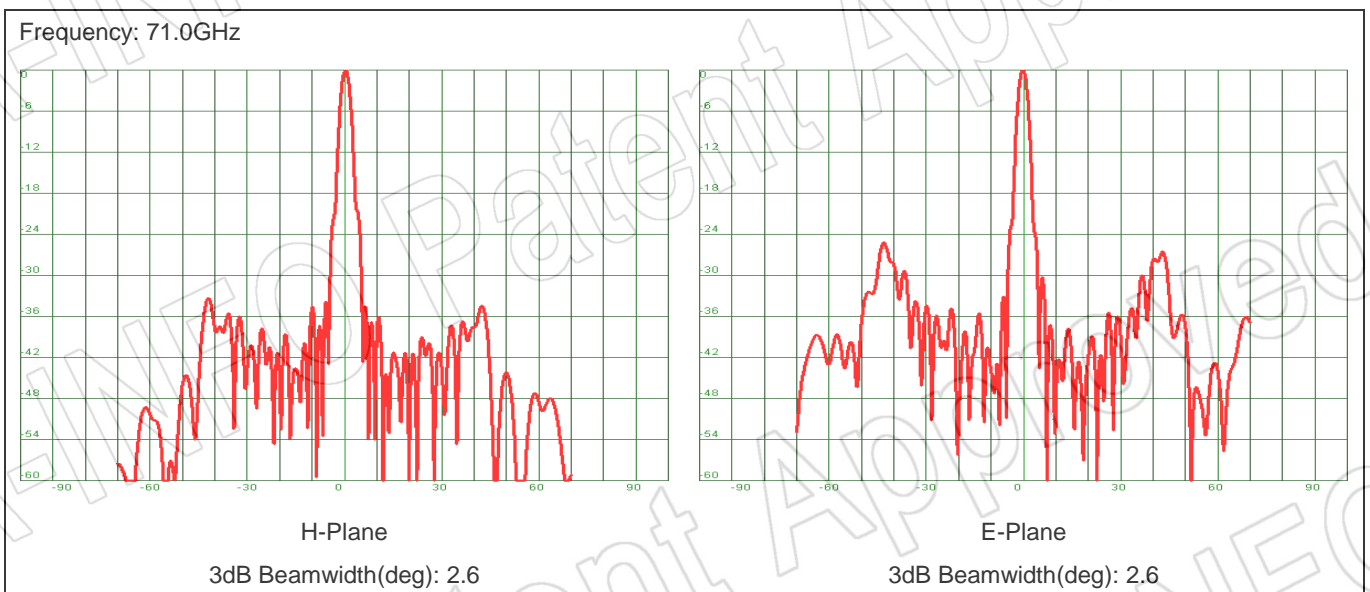
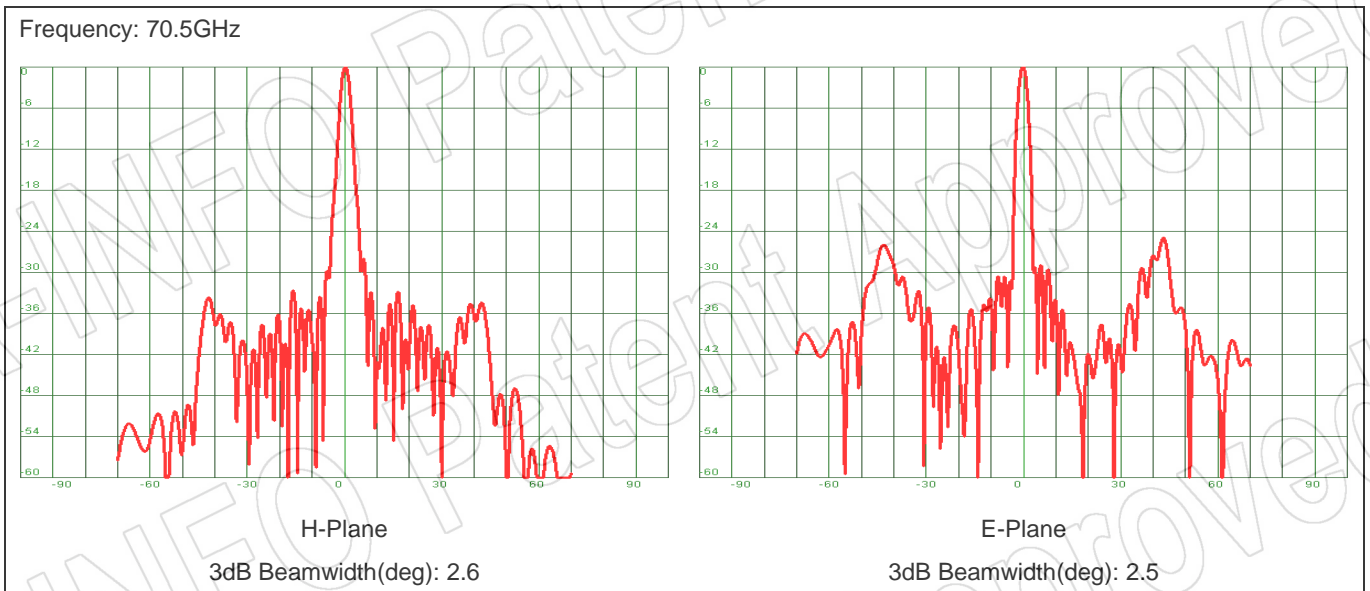
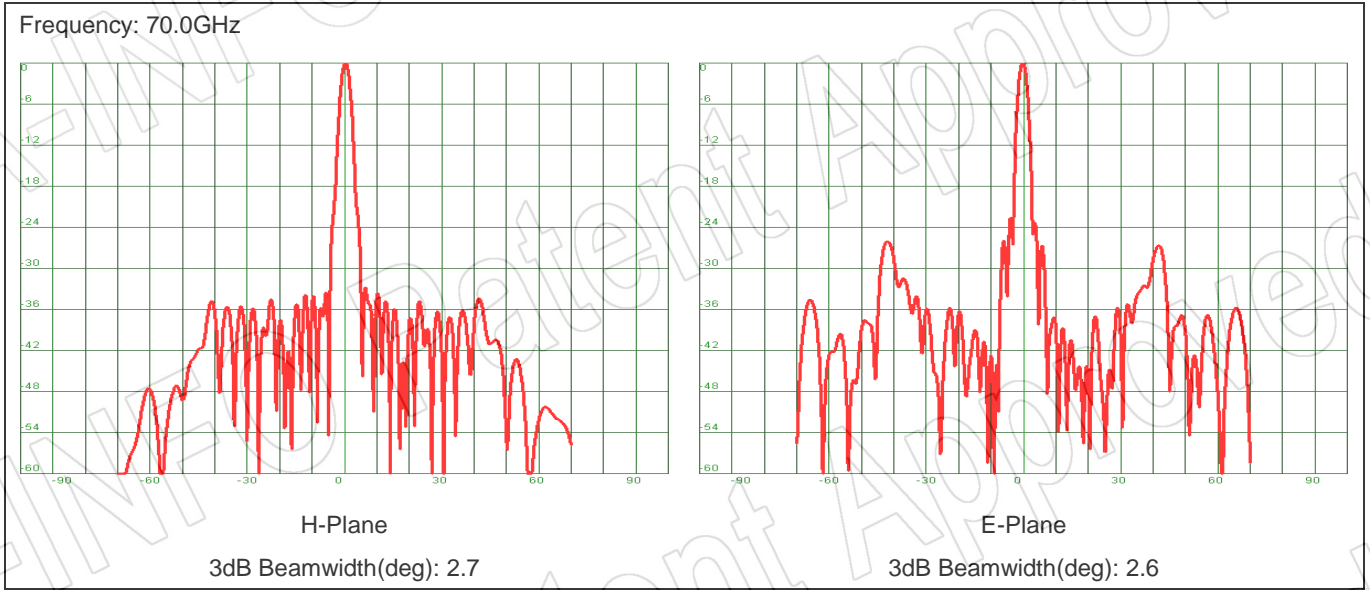


E-Plane

3dB Beamwidth(deg): 2.7

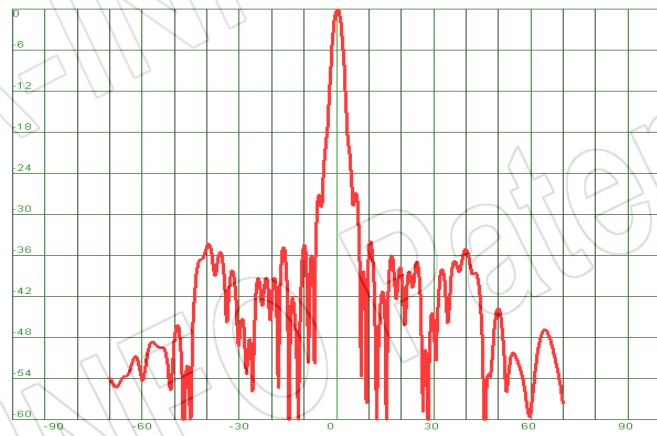






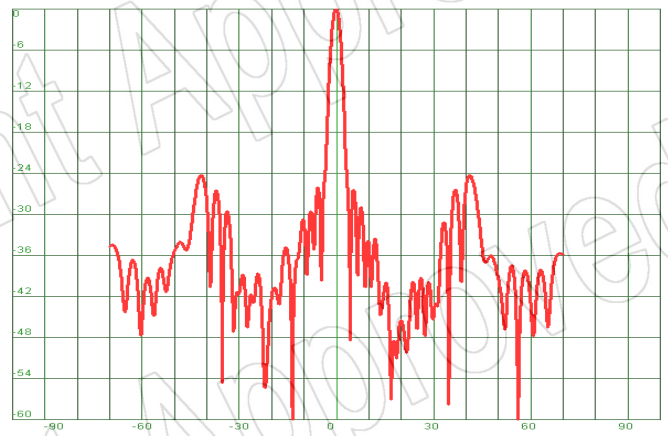


Frequency: 71.5GHz



H-Plane

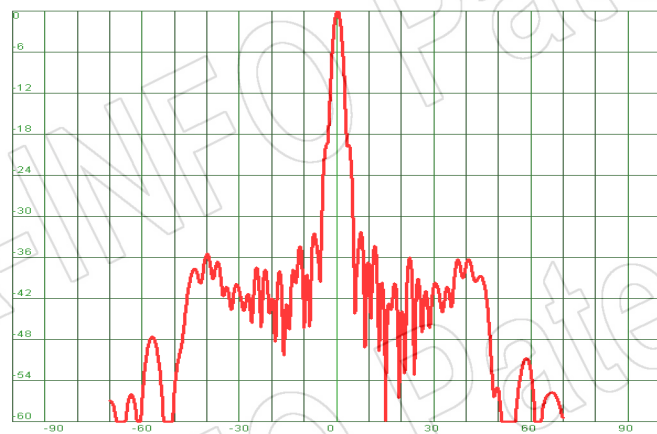
3dB Beamwidth(deg): 2.6



E-Plane

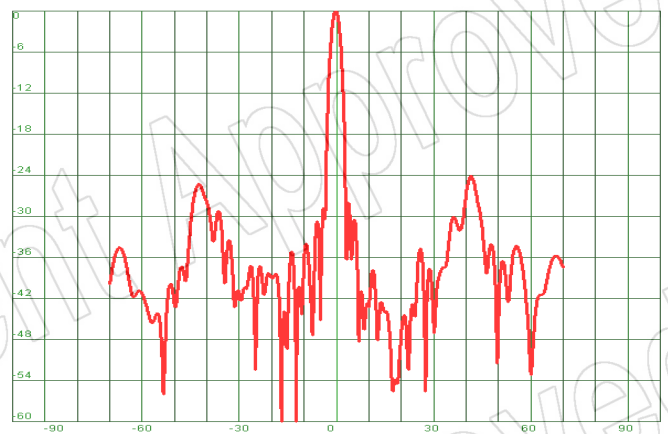
3dB Beamwidth(deg): 2.5

Frequency: 72.0GHz



H-Plane

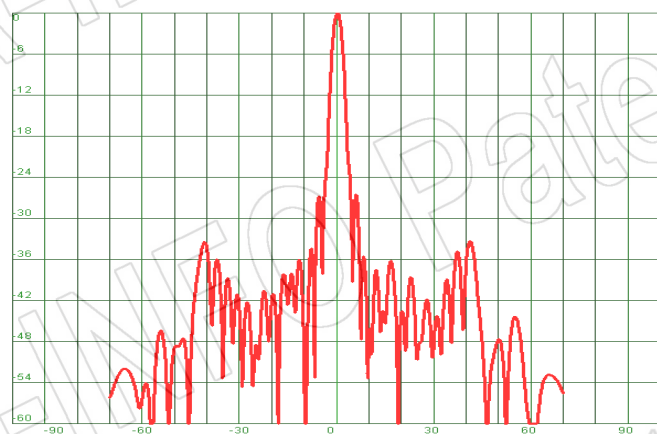
3dB Beamwidth(deg): 2.5



E-Plane

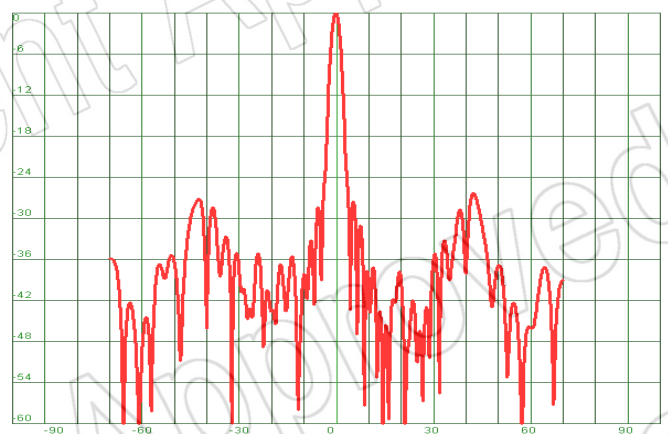
3dB Beamwidth(deg): 2.6

Frequency: 72.5GHz



H-Plane

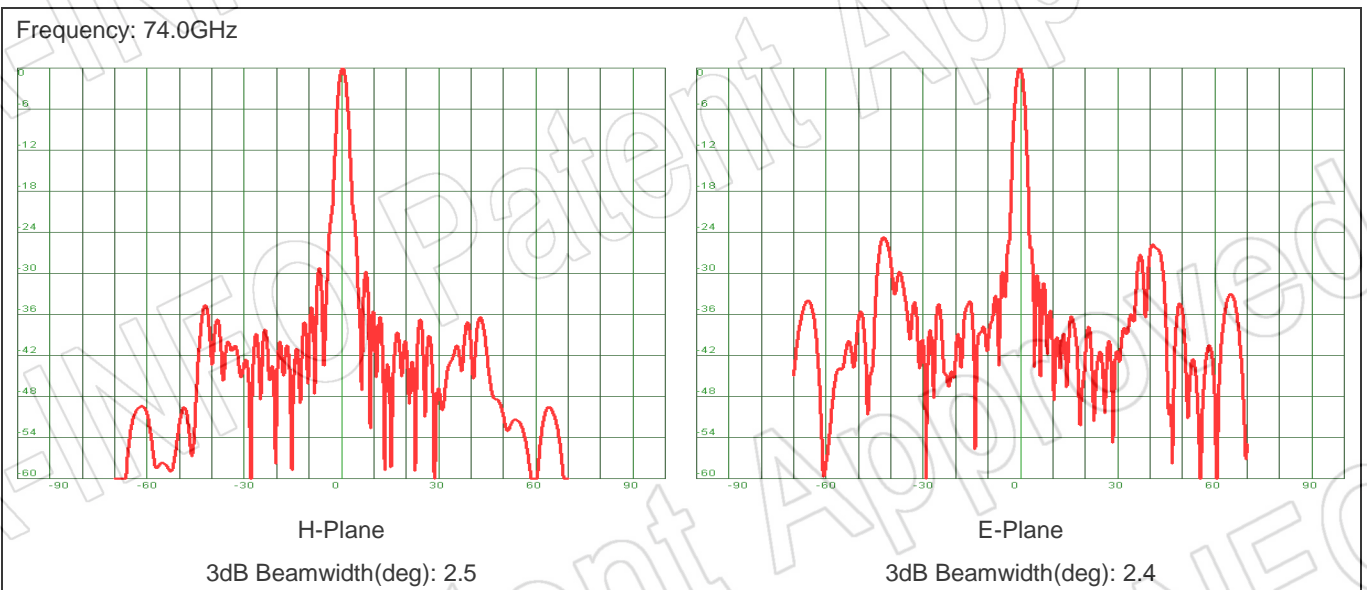
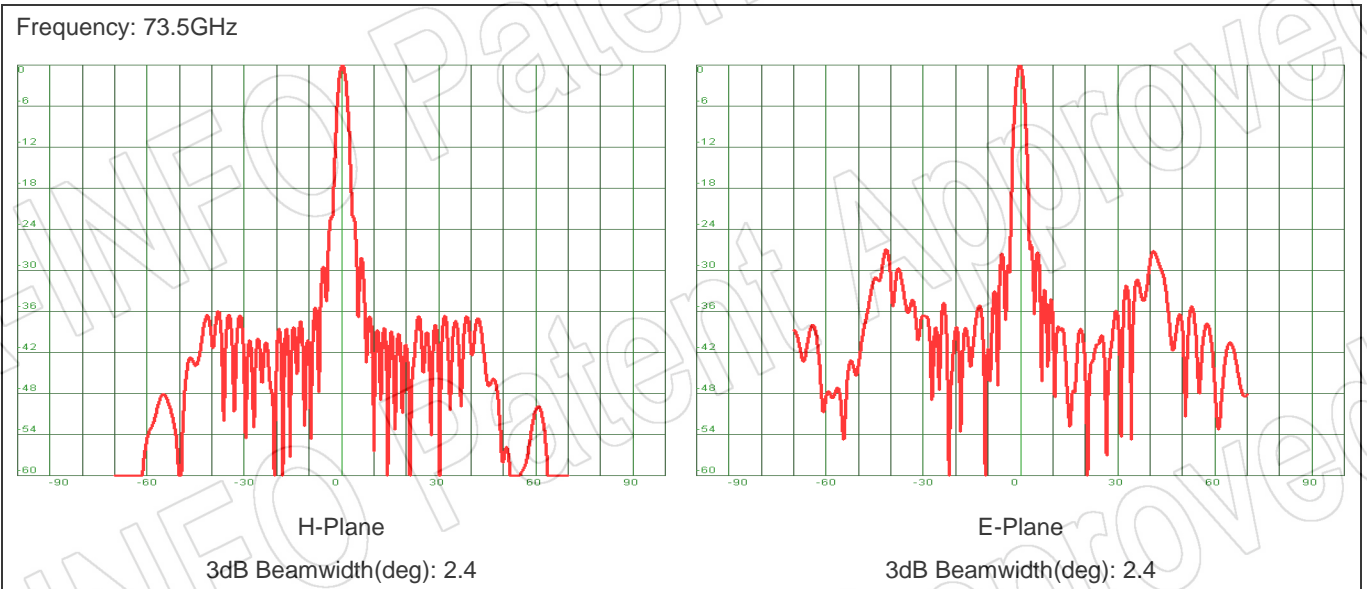
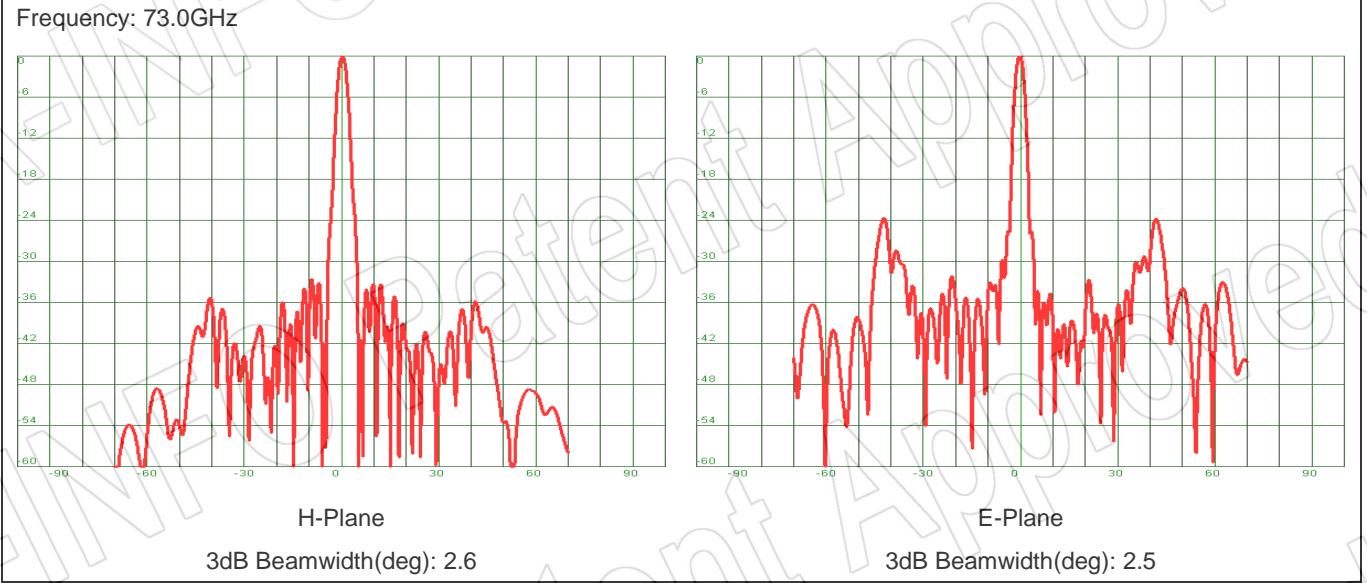
3dB Beamwidth(deg): 2.6



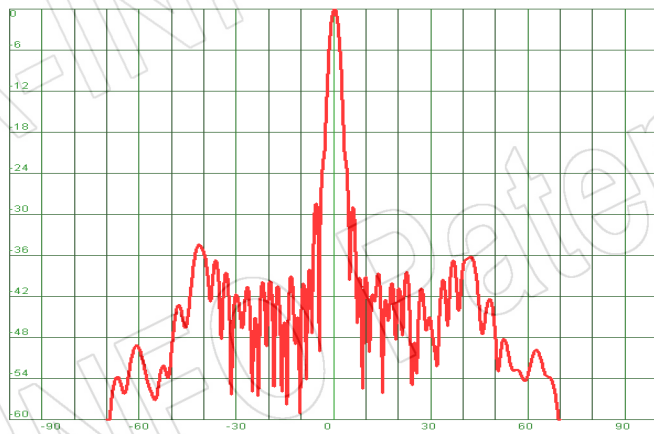
E-Plane

3dB Beamwidth(deg): 2.5



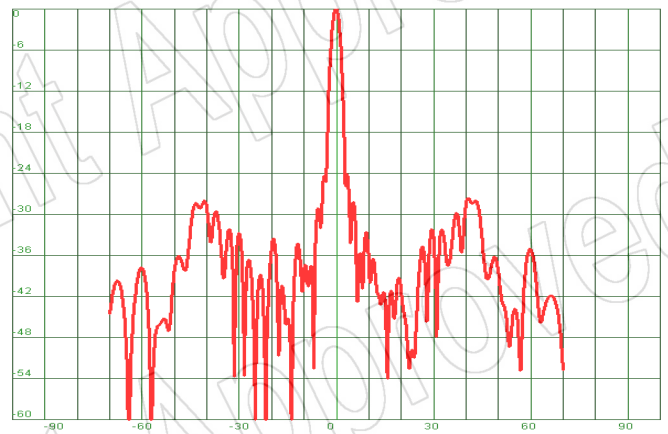


Frequency: 74.5GHz



H-Plane

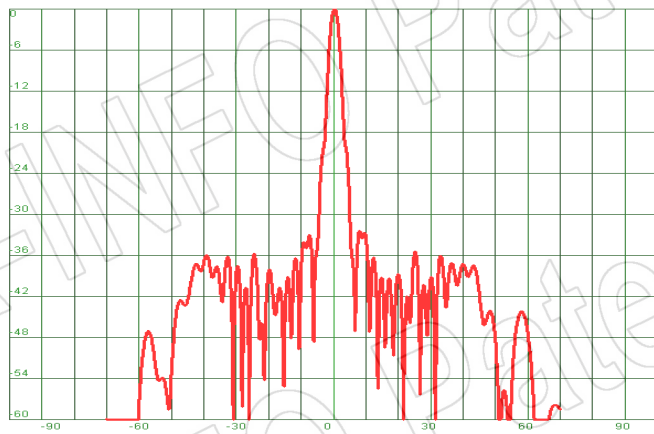
3dB Beamwidth(deg): 2.5



E-Plane

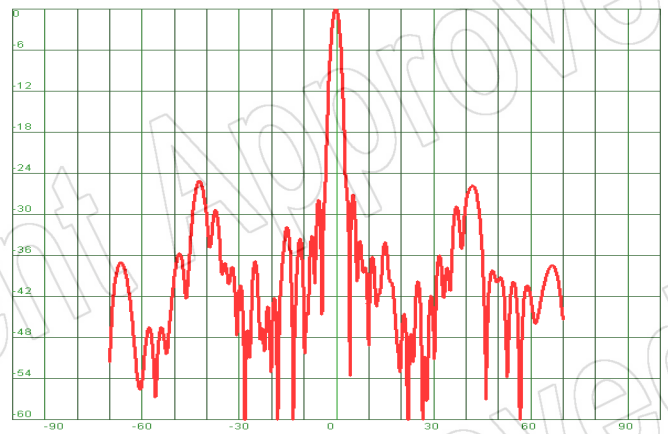
3dB Beamwidth(deg): 2.4

Frequency: 75.0GHz



H-Plane

3dB Beamwidth(deg): 2.5



E-Plane

3dB Beamwidth(deg): 2.4

