
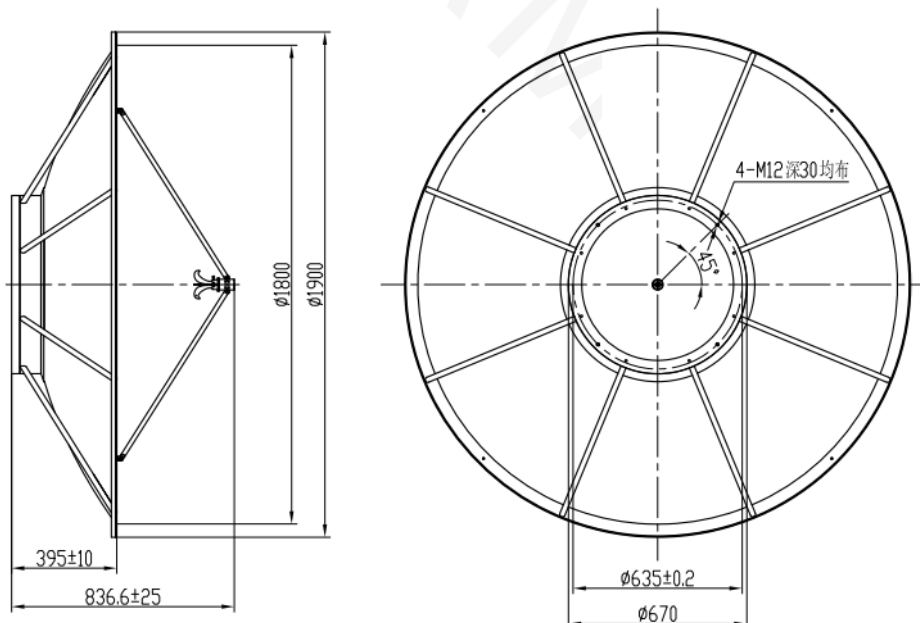


**P/N: AMT-PRF20180D-SF-H**
**Technique Specification**

	Frequency Range(GHz)	2-18GHz
	Gain(dBi)	20 Min.
	Polarization	Dual Linear Polarization
	Port to Port Isolation(dB)	25 Min.
	Connector	SMA-Female
	Size(mm)( $\varnothing \times H$ )	1800 $\times$ 850 (excluding rim flange)
	VSWR	2.5 Max.
	Material	Al
	Color	Beige
	Weight(Kgs)	40Kgs approx.

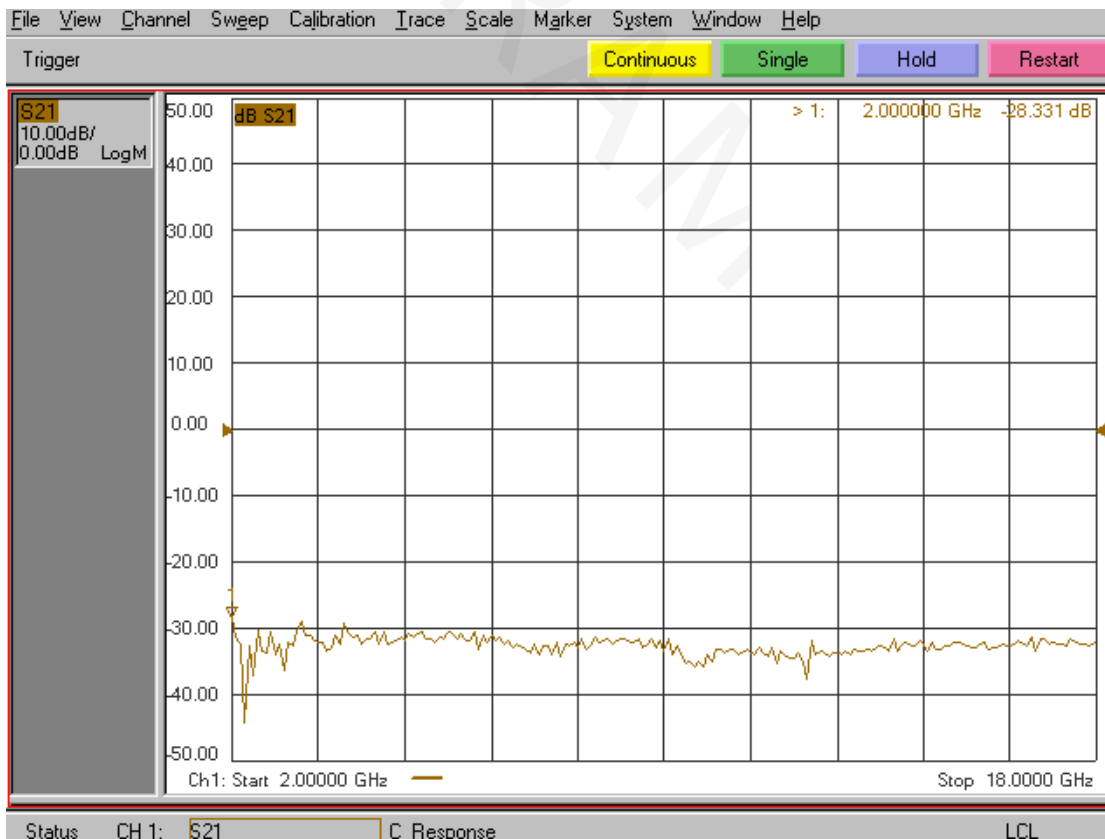
**Outline(mm)**




### Gain

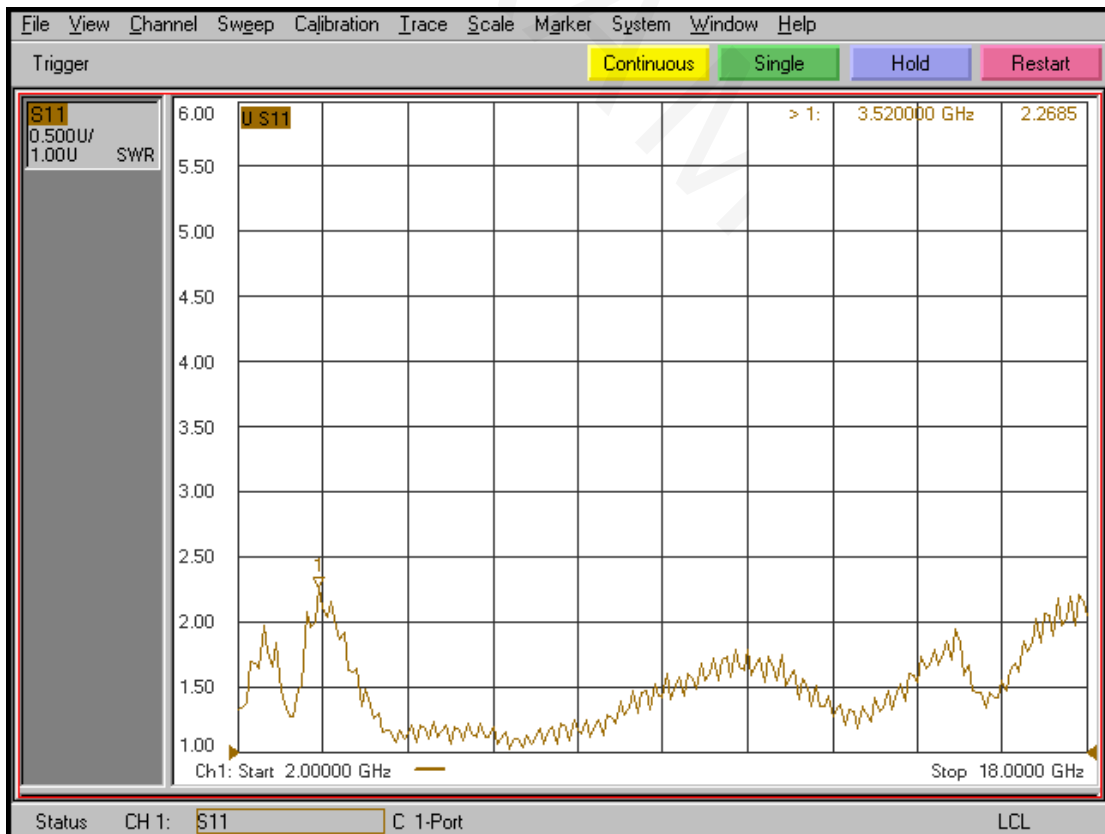
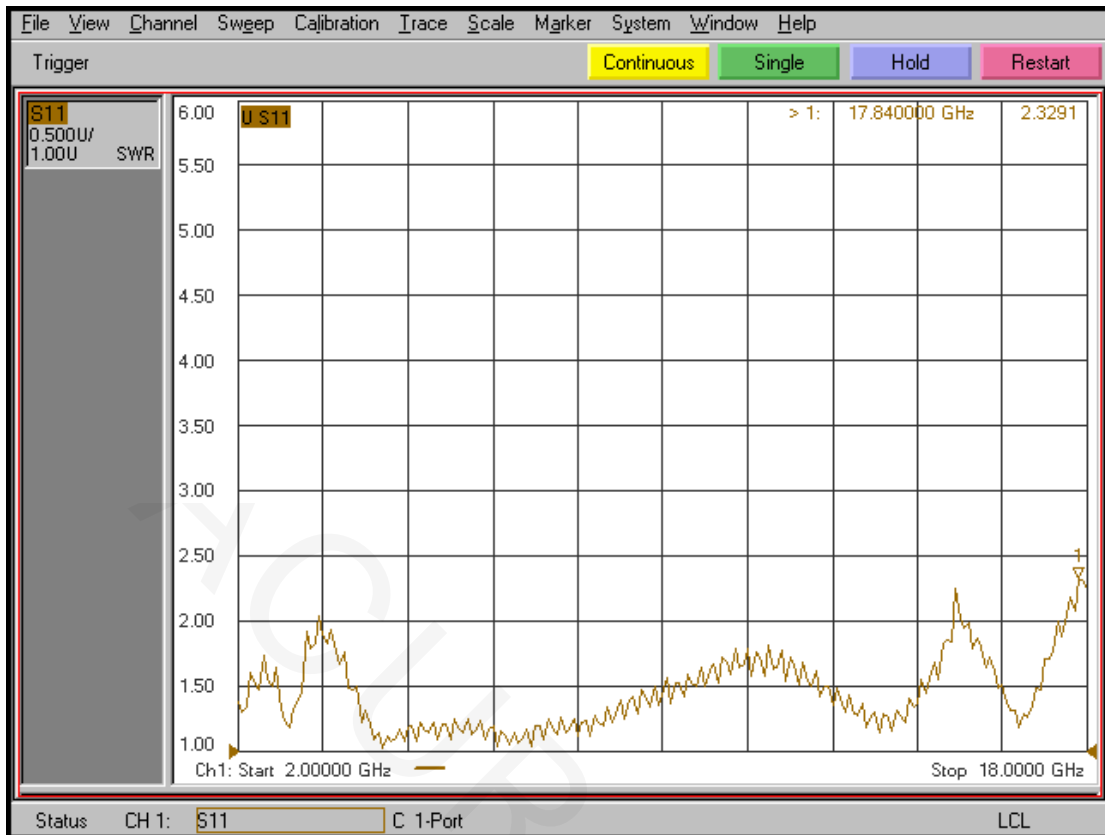
Frequency (GHz)	Gain (dBi)	Frequency (GHz)	Gain (dBi)
2.0	28.6	11.0	41.0
3.0	31.0	12.0	41.5
4.0	34.2	13.0	42.0
5.0	35.6	14.0	42.5
6.0	37.0	15.0	43.0
7.0	38.0	16.0	43.5
8.0	38.5	17.0	44.0
9.0	39.0	18.0	45.0
10.0	40.0		

### Port to Port Isolation



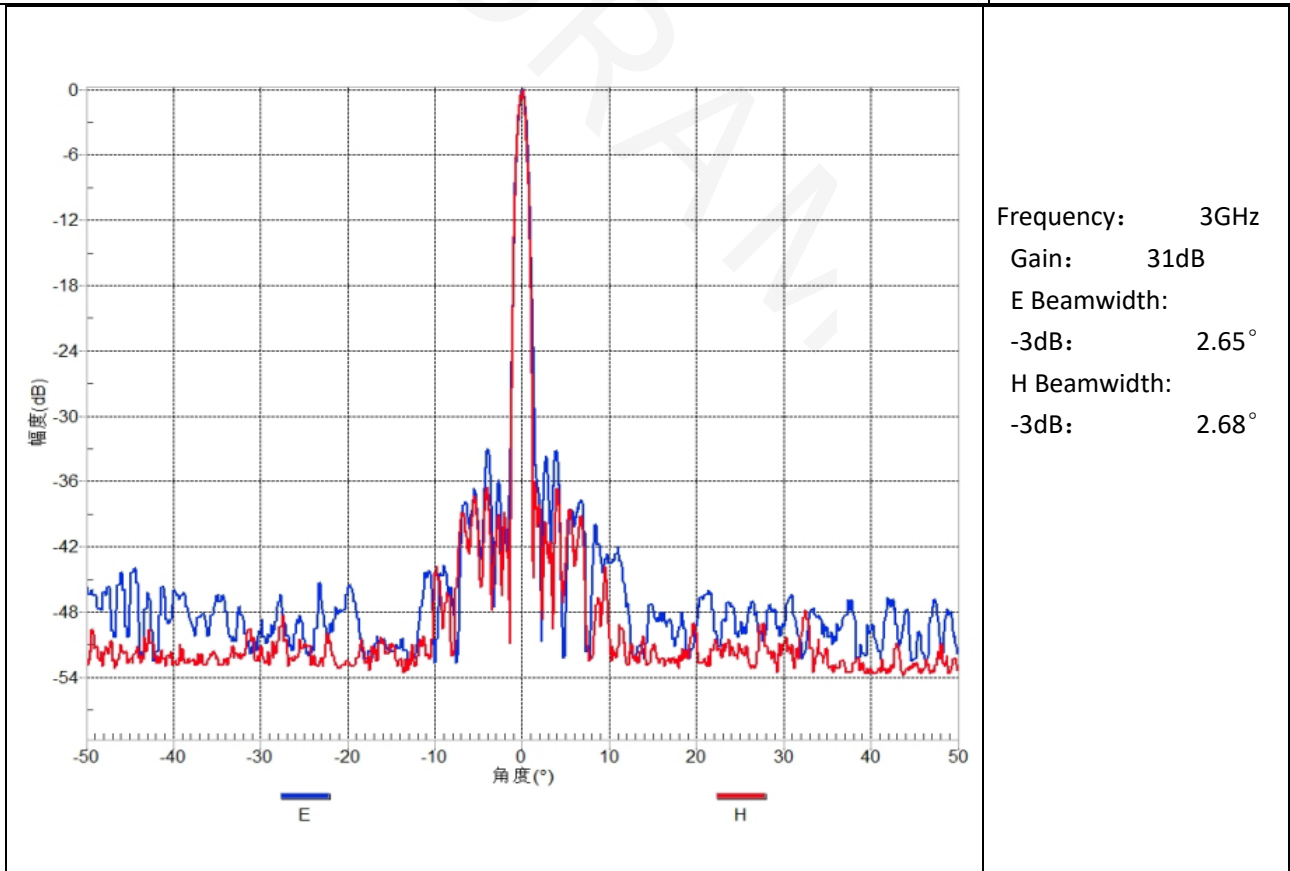
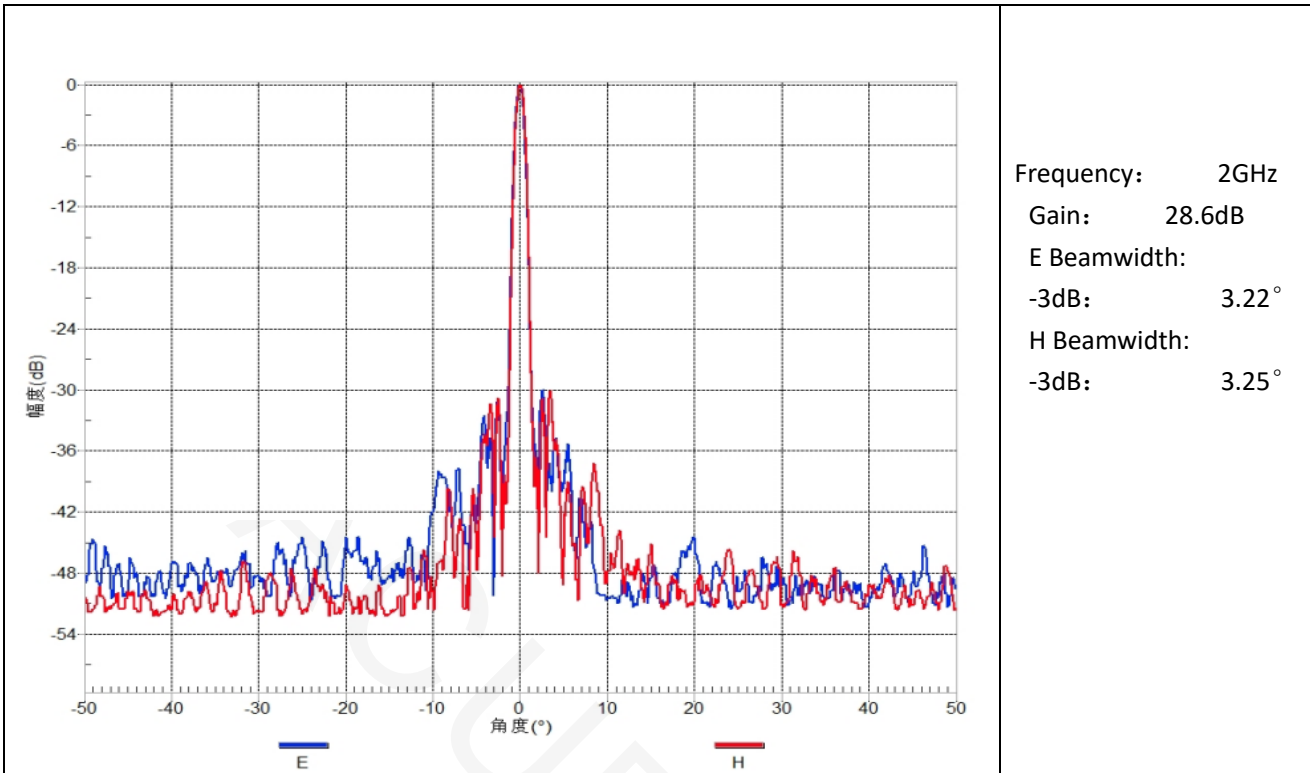


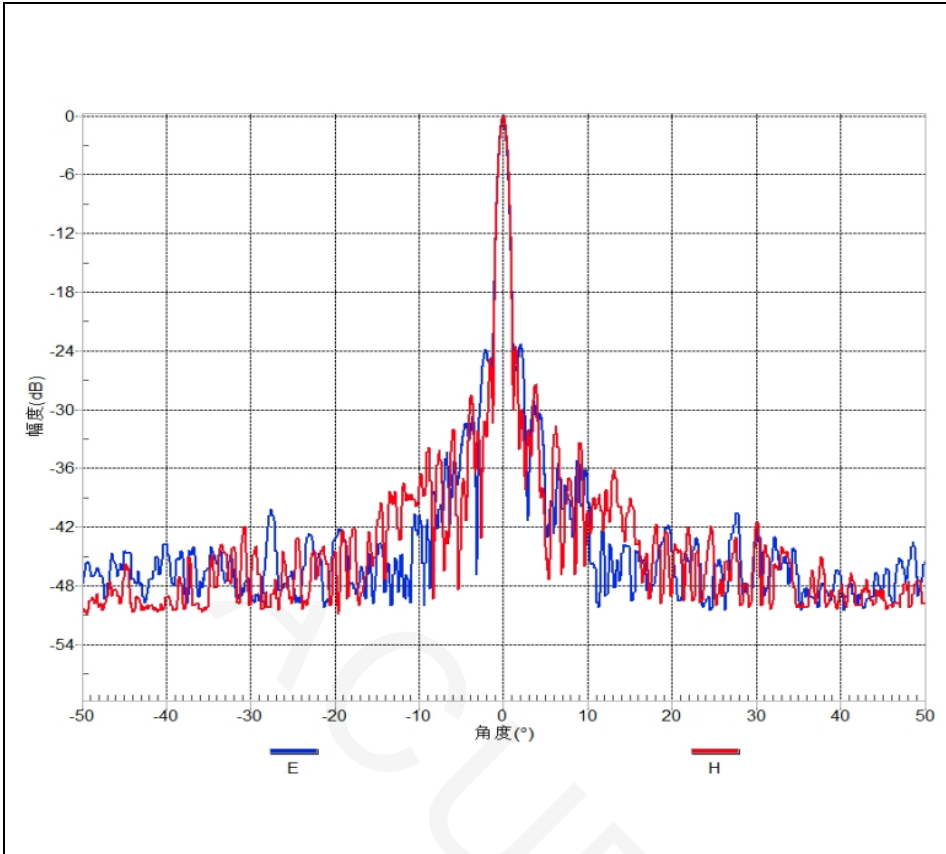
### VSWR



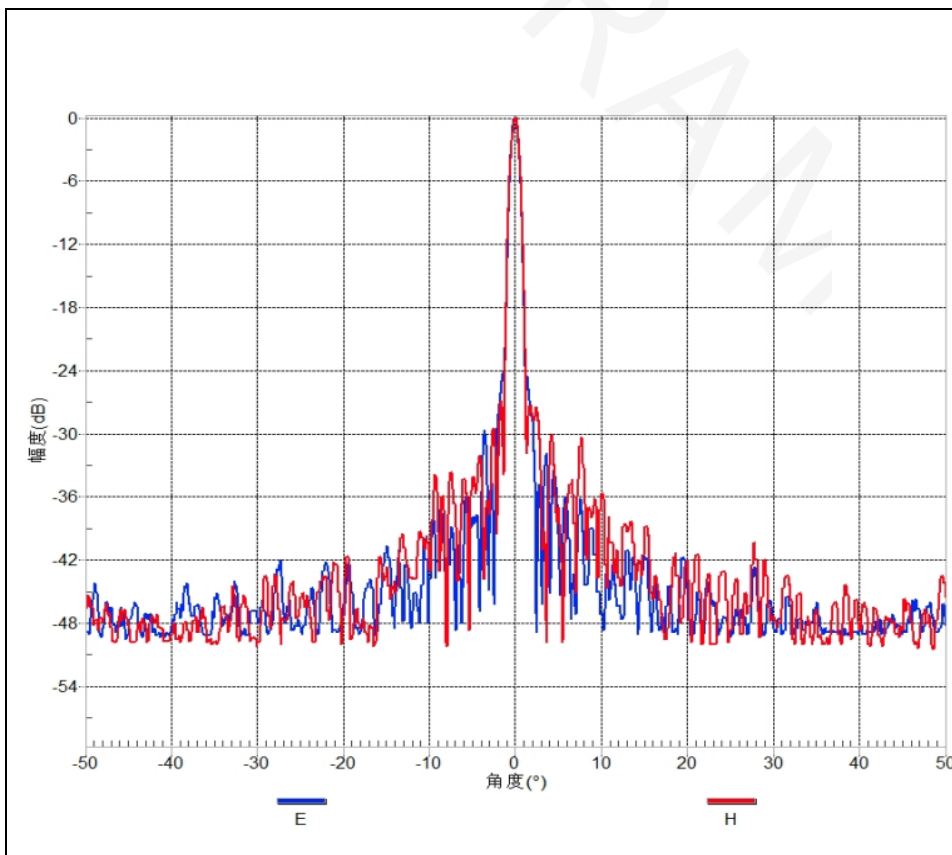


### Pattern

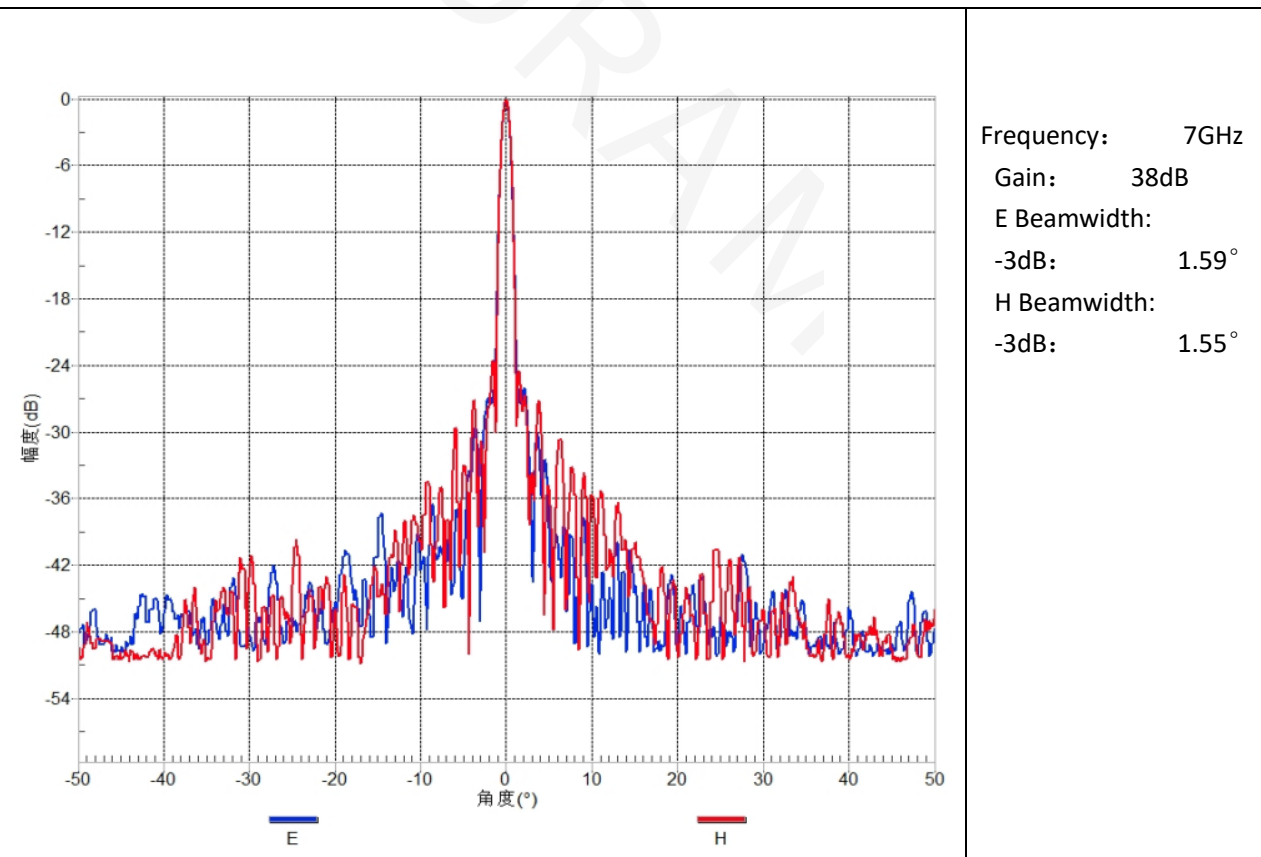
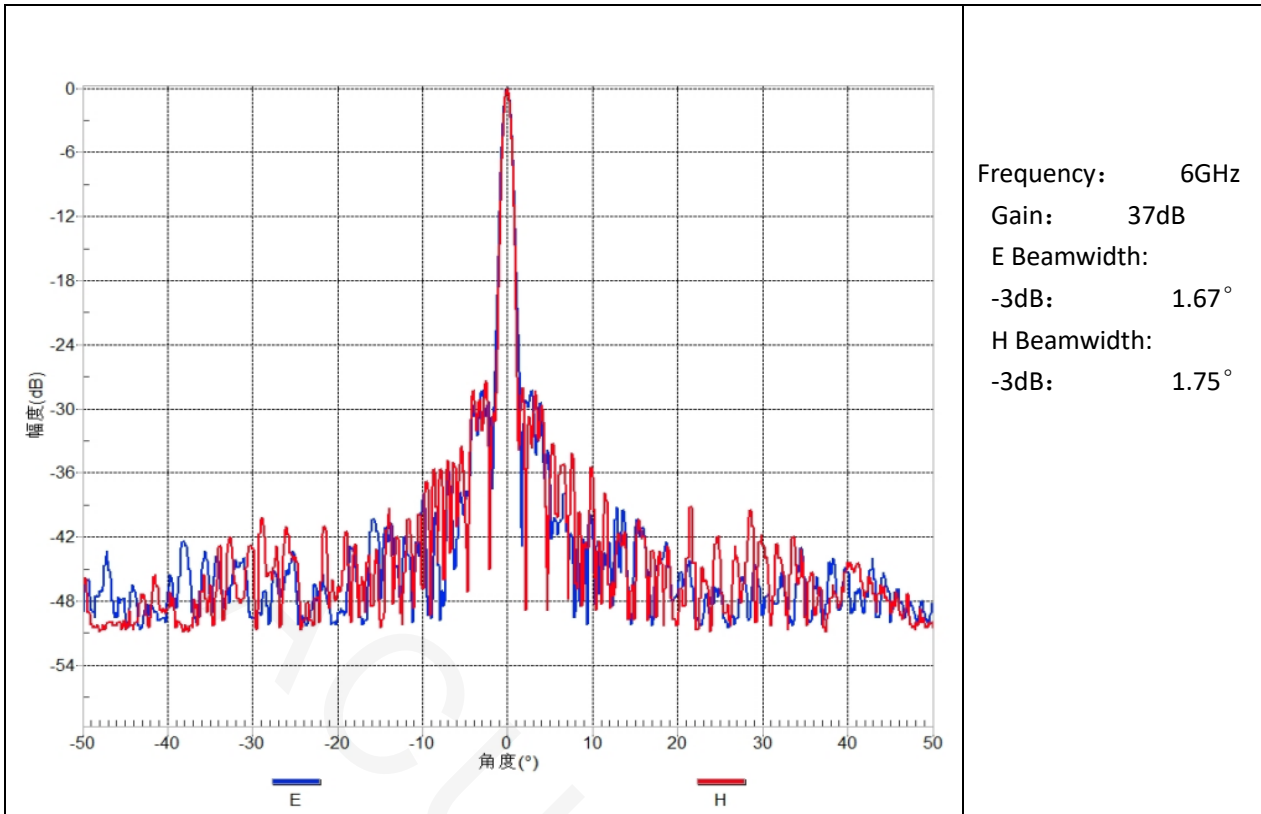


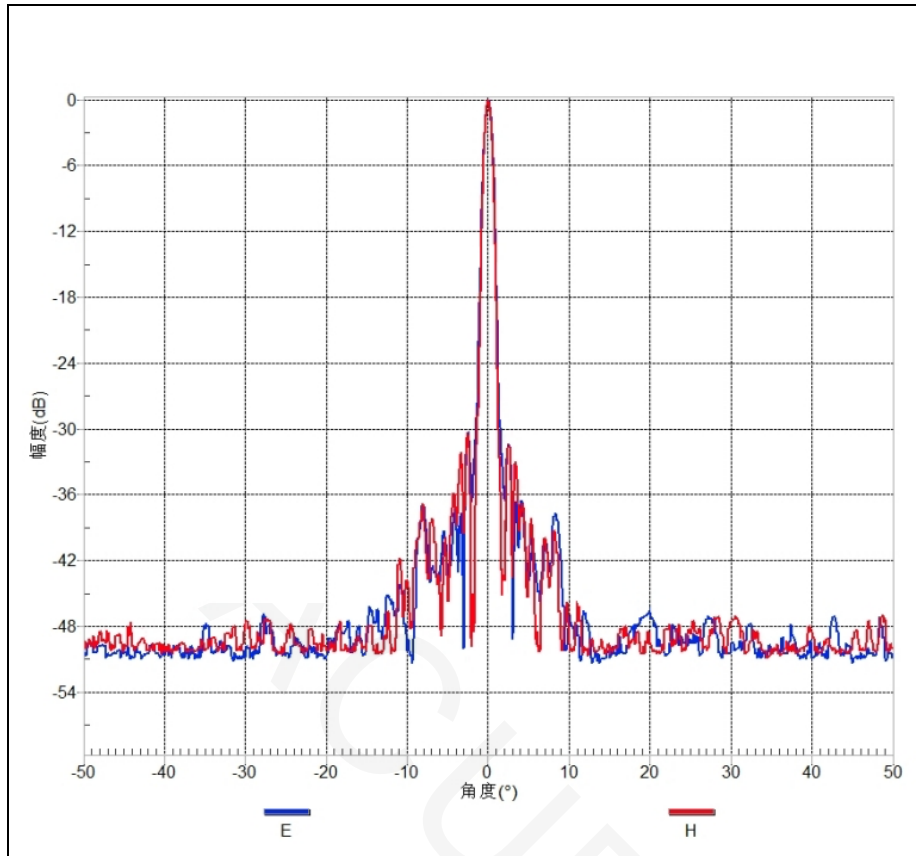


Frequency: 4GHz  
Gain: 34.2dB  
E Beamwidth:  
-3dB: 2.23°  
H Beamwidth:  
-3dB: 2.35°

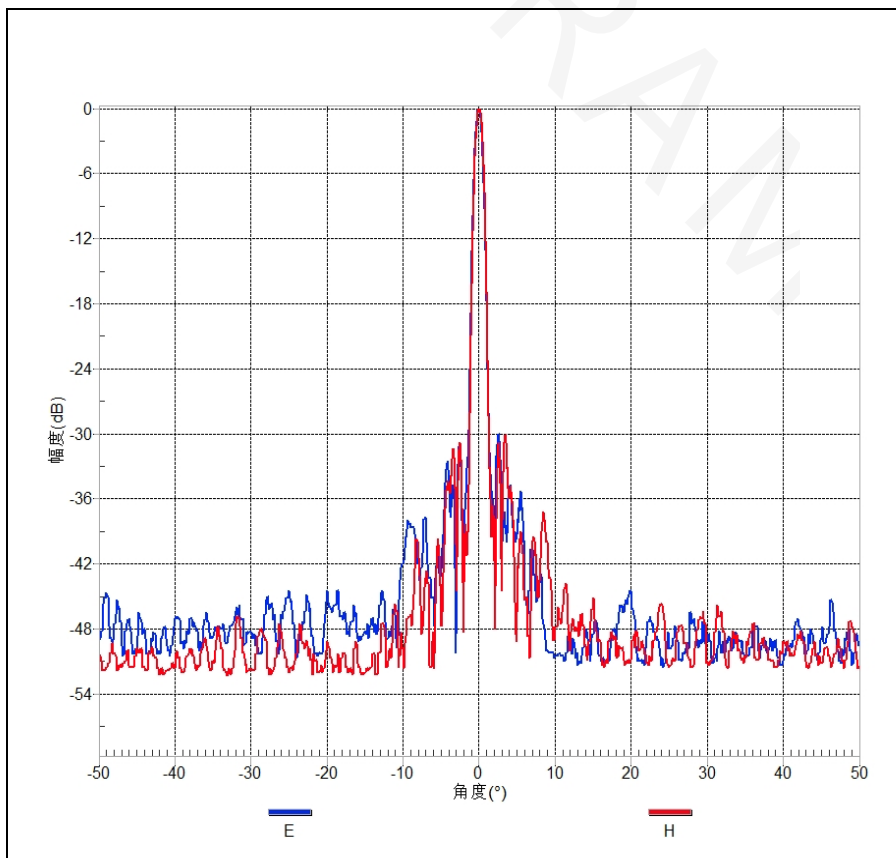


Frequency: 5GHz  
Gain: 35.6dB  
E Beamwidth:  
-3dB: 1.95°  
H Beamwidth:  
-3dB: 2.02°

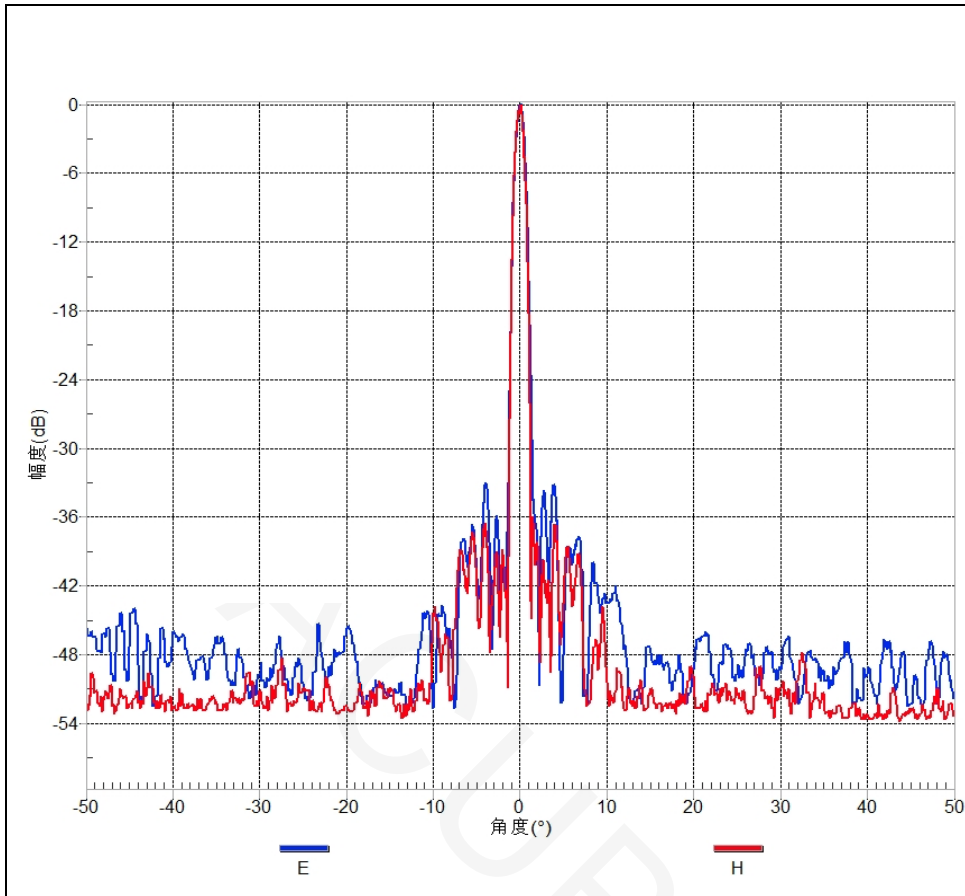




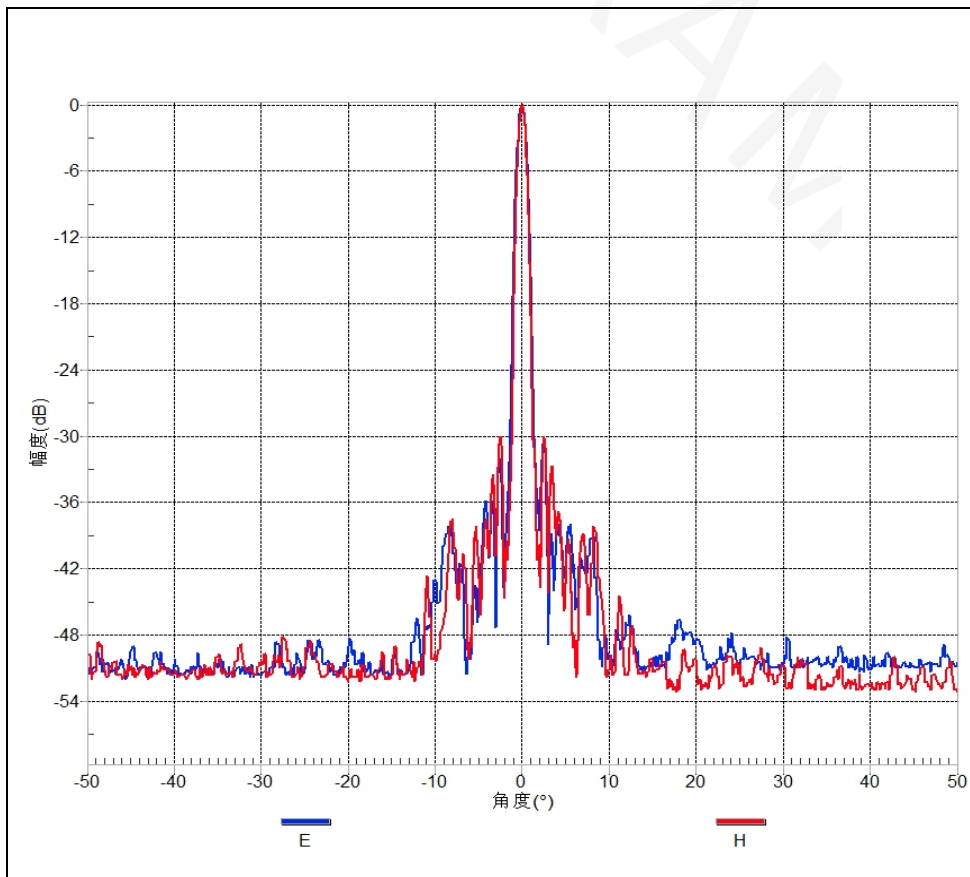
Frequency: 8GHz  
Gain: 38.5dB  
E Beamwidth:  
-3dB: 1.48°  
H Beamwidth:  
-3dB: 1.58°



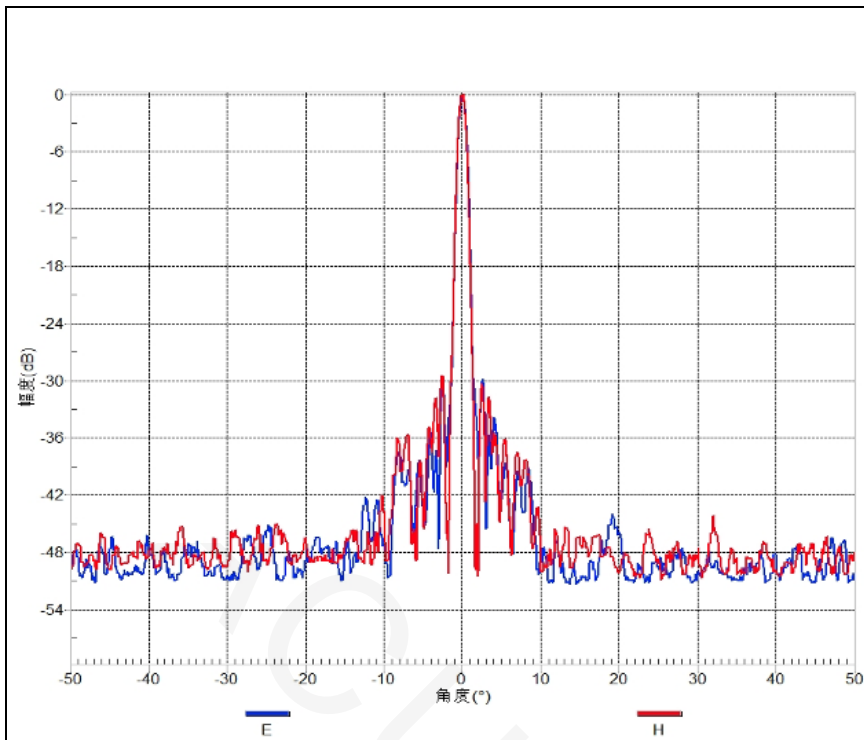
Frequency: 9GHz  
Gain: 39dB  
E plane Beamwidth:  
-3dB: 1.25°  
H plane Beamwidth:  
-3dB: 1.28°



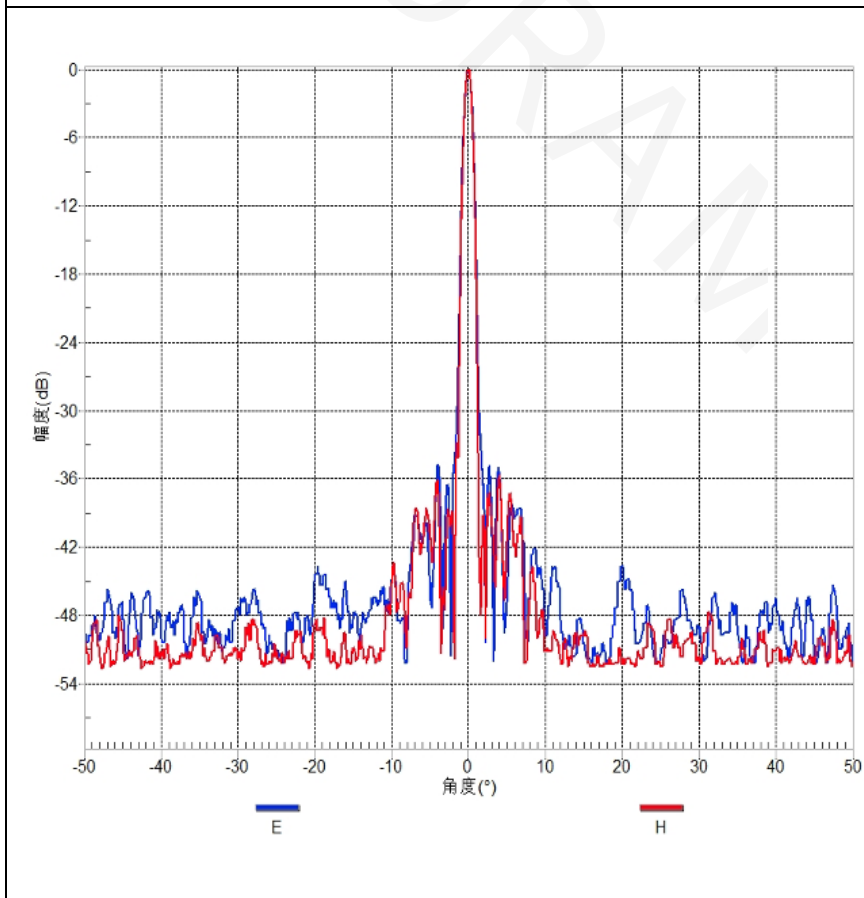
Frequency: 10GHz  
Gain: 40dB  
E plane Beamwidth:  
-3dB: 1.13°  
H plane Beamwidth:  
-3dB: 1.16°



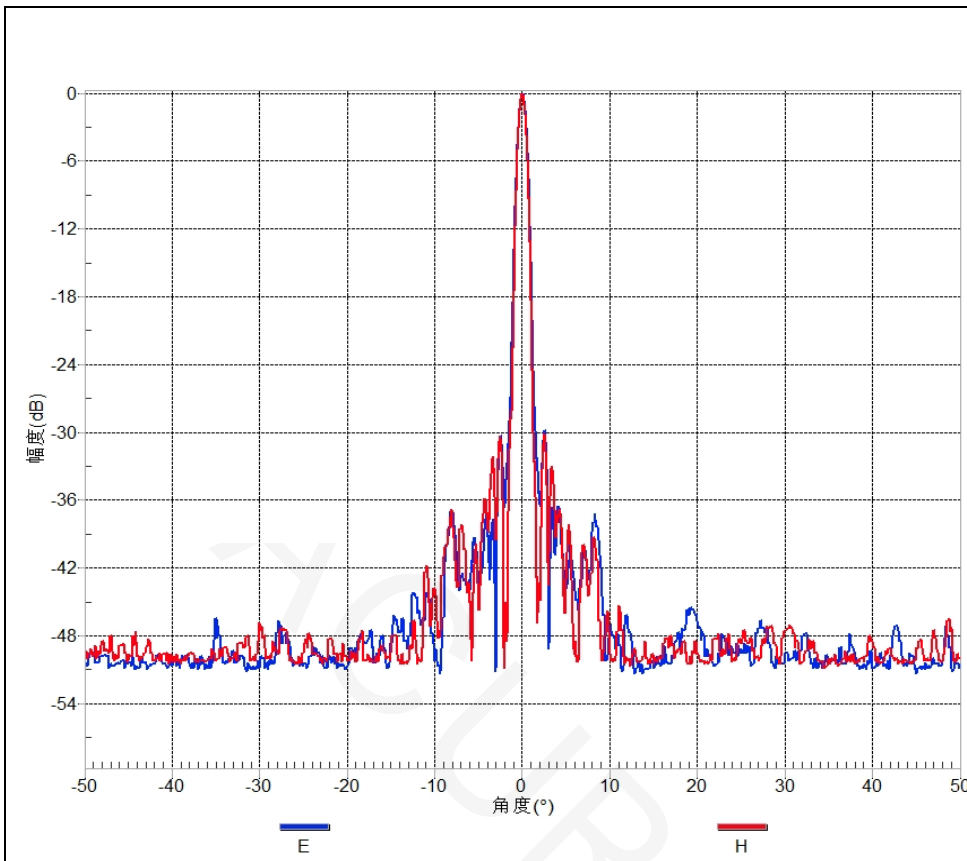
Frequency: 11GHz  
Gain: 41dB  
E plane Beamwidth:  
-3dB: 1.02°  
H plane Beamwidth:  
-3dB: 1.05°



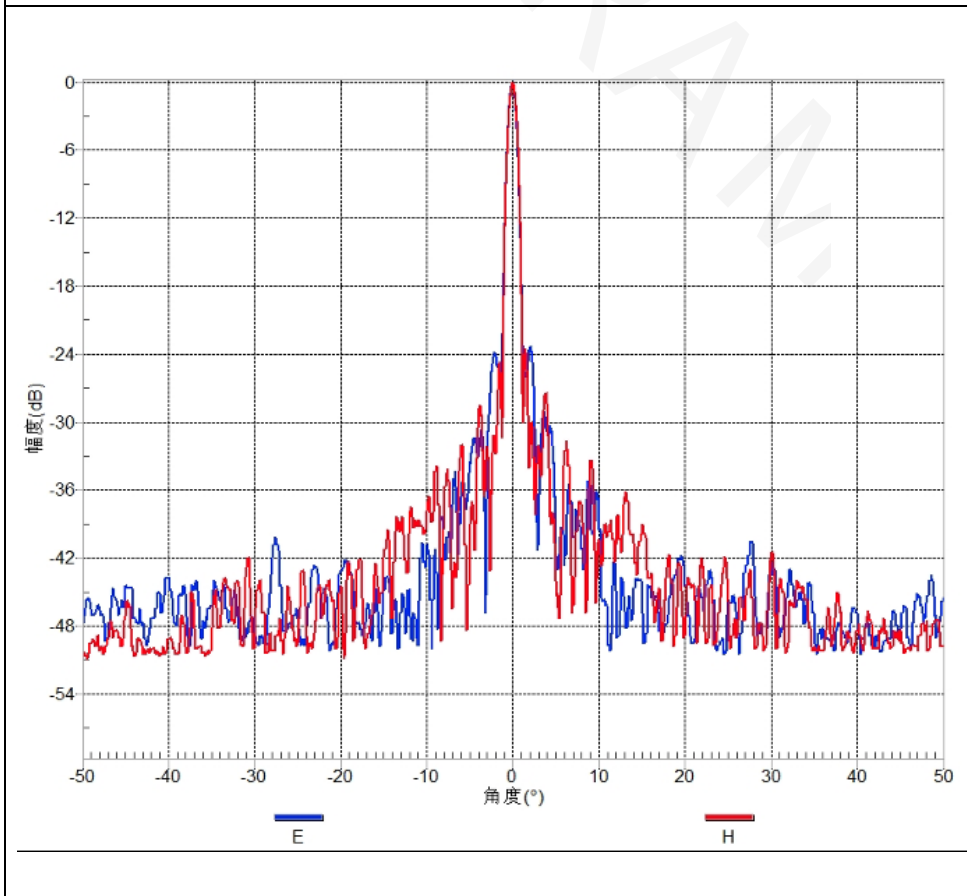
Frequency: 12GHz  
Gain: 41.5dB  
E plane Beamwidth:  
-3dB: 0.97°  
H plane Beamwidth:  
-3dB: 0.99°



Frequency: 13GHz  
Gain: 42dB  
E plane Beamwidth:  
-3dB: 0.93°  
H plane Beamwidth:  
-3dB: 0.95°



Frequency: 14GHz  
Gain: 42.5dB  
E plane Beamwidth:  
-3dB: 0.90°  
H plane Beamwidth:  
-3dB: 0.93°



Frequency: 15GHz  
Gain: 43dB  
E plane Beamwidth:  
-3dB: 0.85°  
H plane Beamwidth:  
-3dB: 0.88°

