

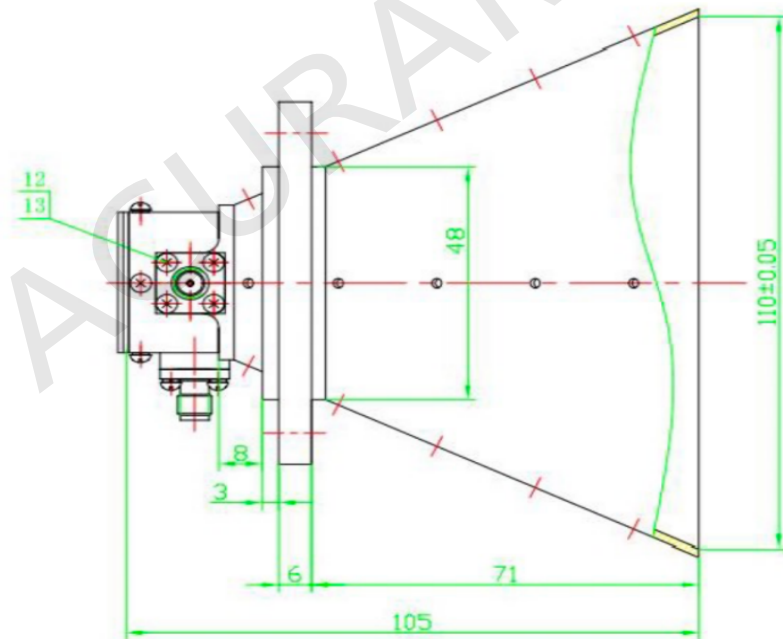


P/N: AMT-DP20180-SF

Technical Specification

	Frequency Range(GHz)	2.0-18.0
	Gain(dBi)	10 Typ.
	Polarization	Dual Polarization
	Port to Port Isolation(dB)	20 Min.
	Cross Polarization Isolation(dB)	20 Min.
	Impedance(Ohms)	50
	Connector	SMA-Female
	VSWR	2.5 Max.
	Material	Al
	Size(mm)	110 x 110 x 105
	Weight(g)	450 approx.

Outline (mm)

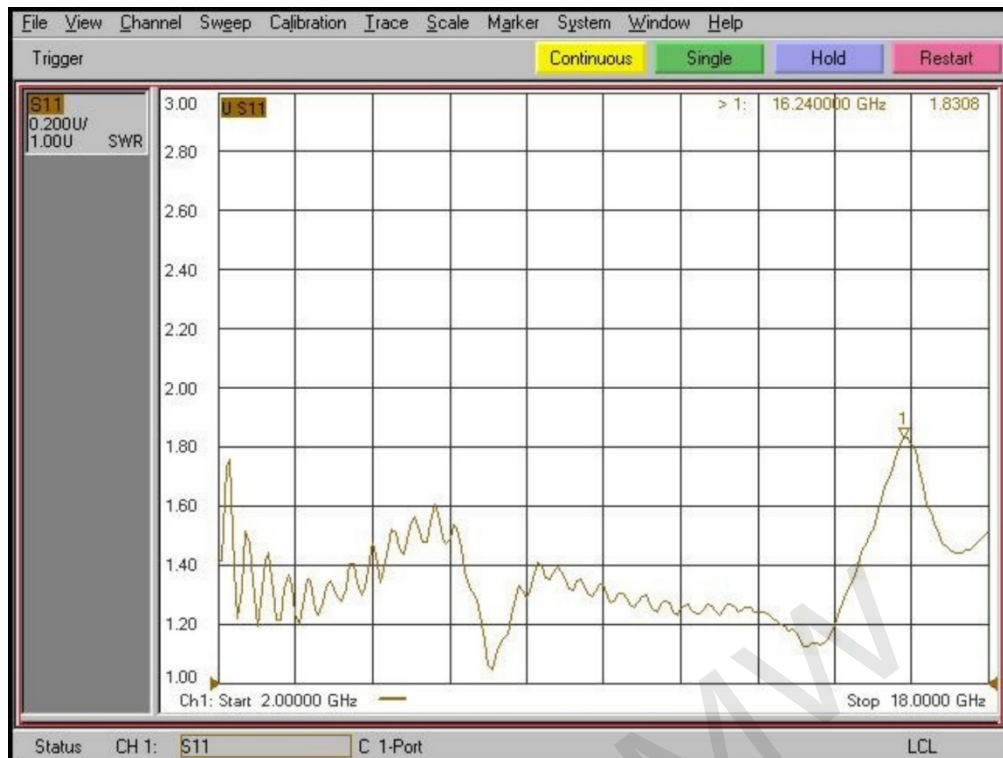


Test Result

Gain

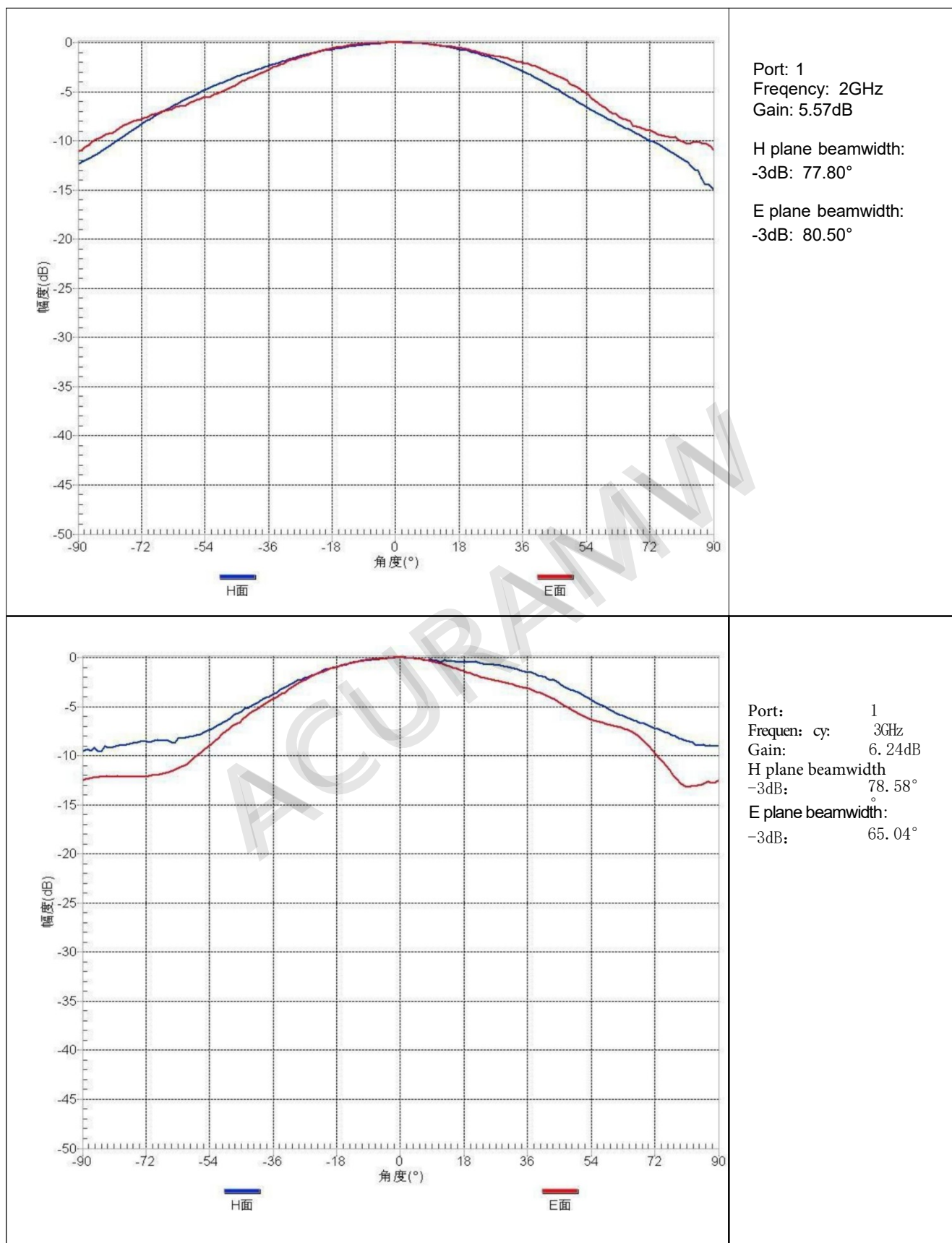
Frequency	Gain
2.0	5.57
3.0	6.24
4.0	9.48
5.0	9.71
6.0	12.16
7.0	12.41
8.0	13.01
9.0	11.69
10.0	11.86
11.0	11.36
12.0	11.60
13.0	10.54
14.0	10.07
15.0	11.60
16.0	15.26
17.0	16.46
18.0	15.57

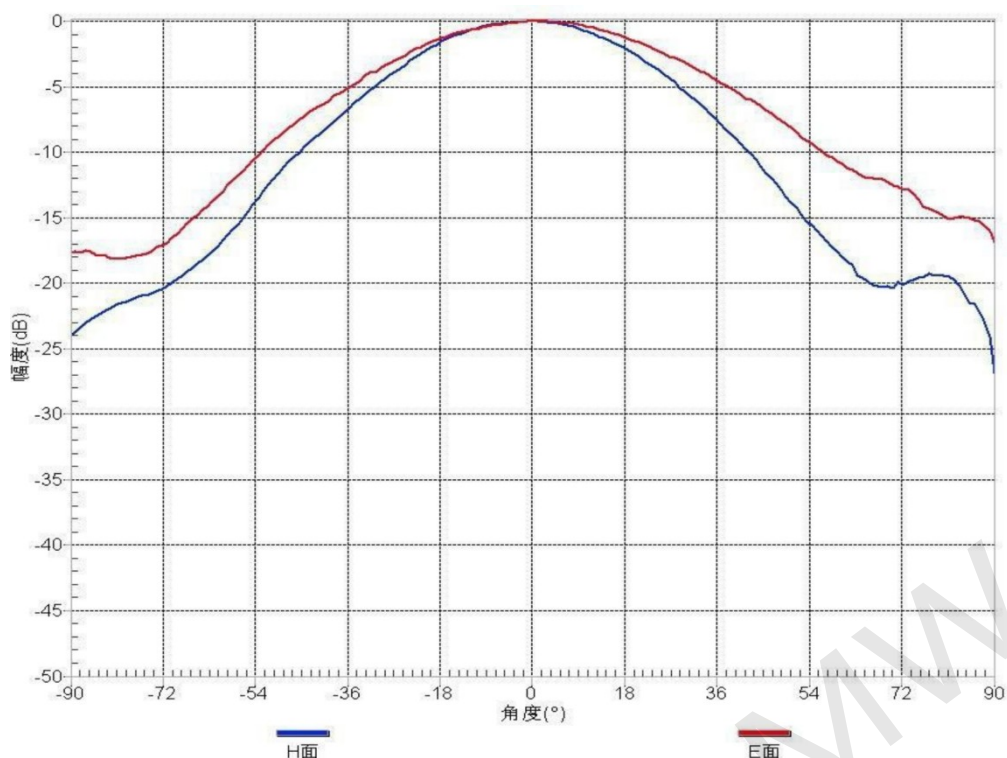
VSWR



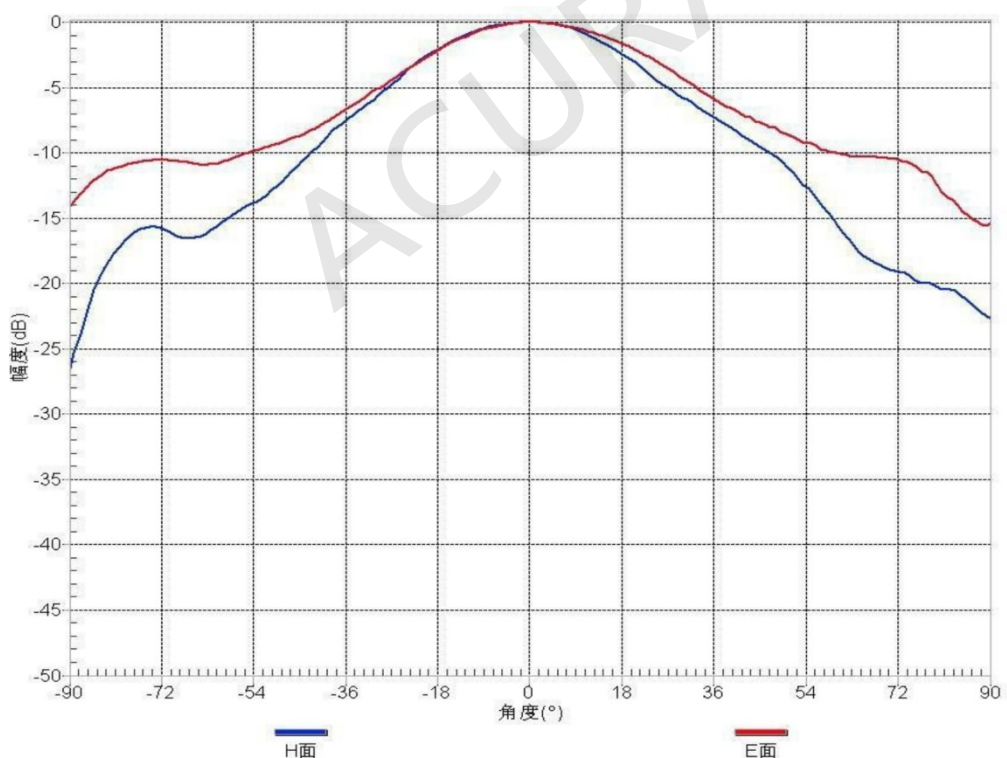


Pattern

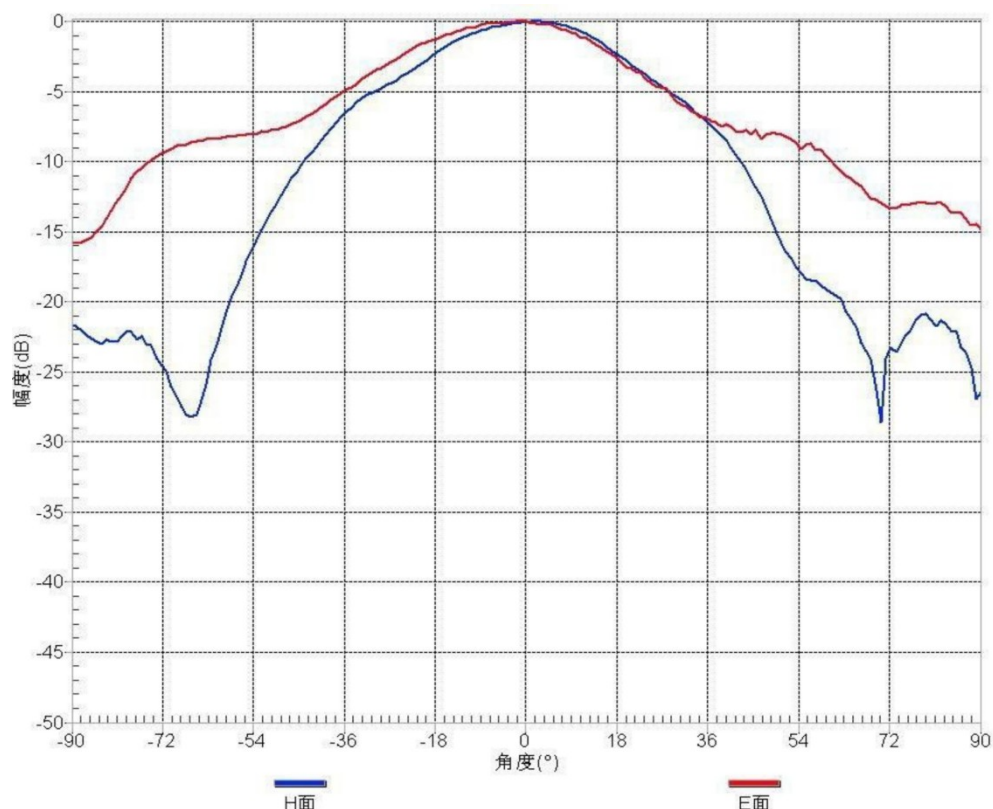




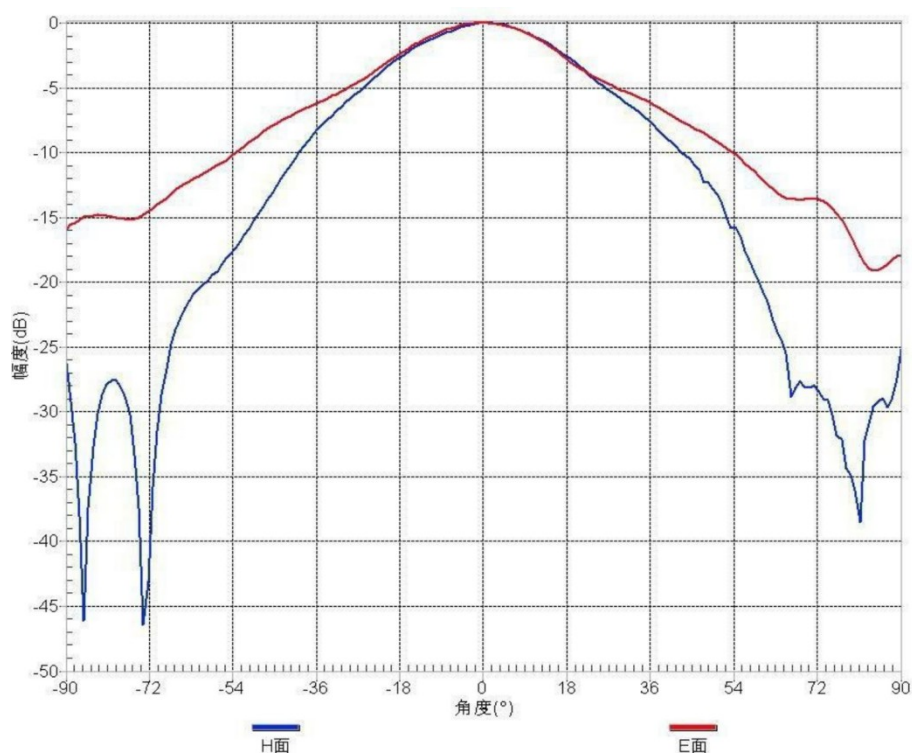
Port: 1
Frequency: 4GHz
Gain: 9.48dB
H plane beamwidth
-3dB: 45.57°
E plane
beamwidth 55.96°
-3dB:



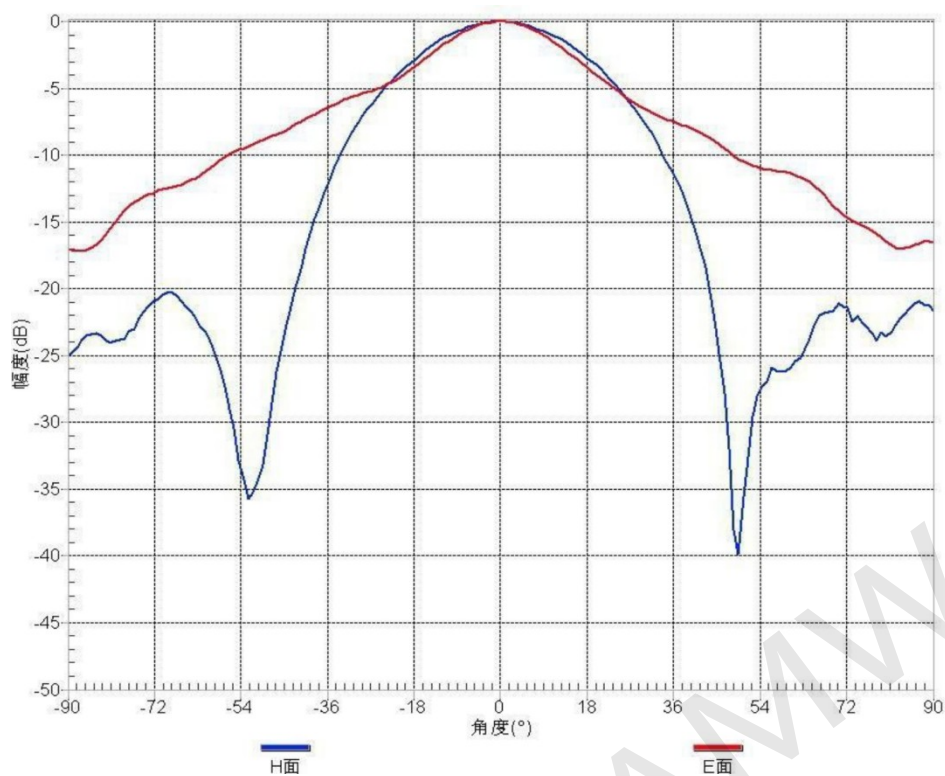
Port: 1
Frequency: 5GHz
Gain: 9.71dB
H plane
beamwidth 42.09°
-3dB:
E plane
beamwidth 46.28°
-3dB:



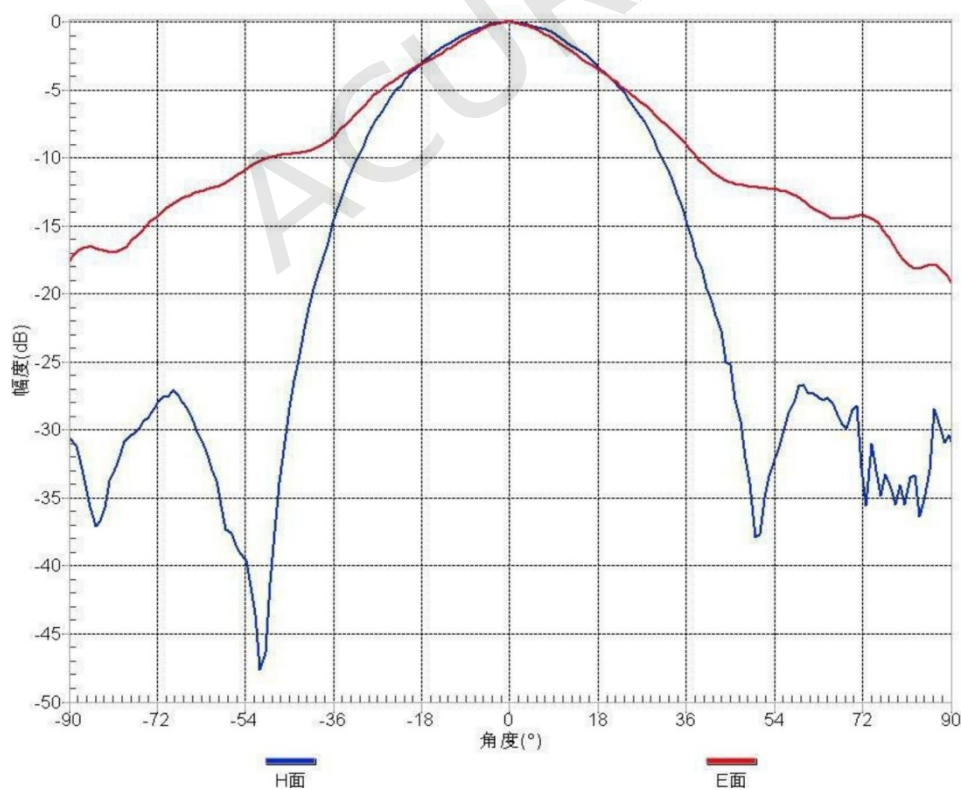
Port: 1
Frequency: 6GHz
Gain: 12.16dB
H plane beamwidth
-3dB: 41.22°
E plane
beamwidth
-3dB: 46.32°



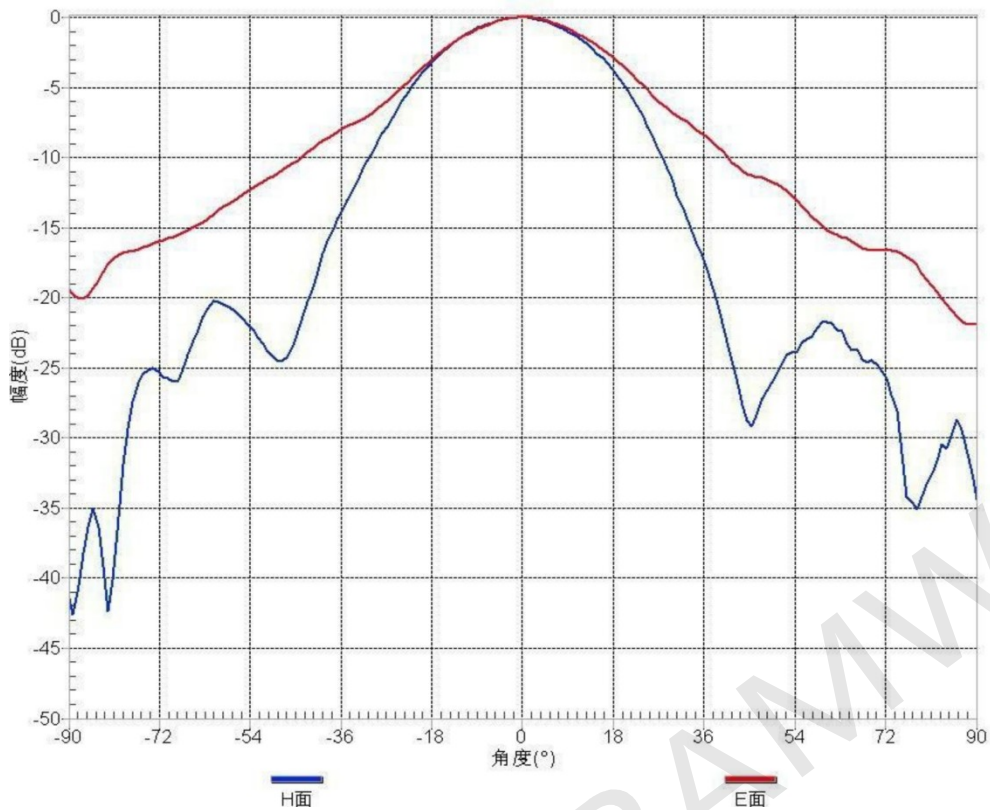
Port: 1
Frequency: 7GHz
Gain: 12.41dB
H plane beamwidth
-3dB: 39.13°
E plane beamwidth
-3dB: 39.26°



Port: 1
Frequency: 8GHz
Gain: 13.01dB
H plane beamwidth
-3dB: 37.37
E plane beamwidth:
-3dB: 32.96

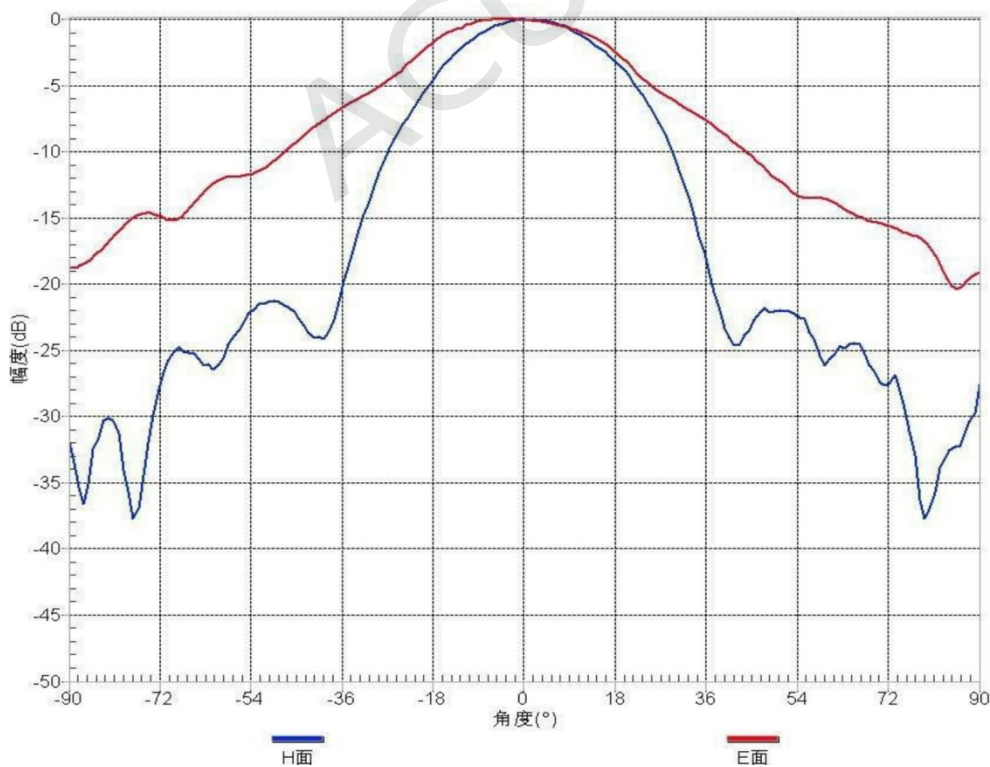


Port: 1
Frequency: 9GHz
Gain: 11.69dB
H plane beamwidth:
-3dB: 35.17 E plane beamwidth:
-3dB: 33.43



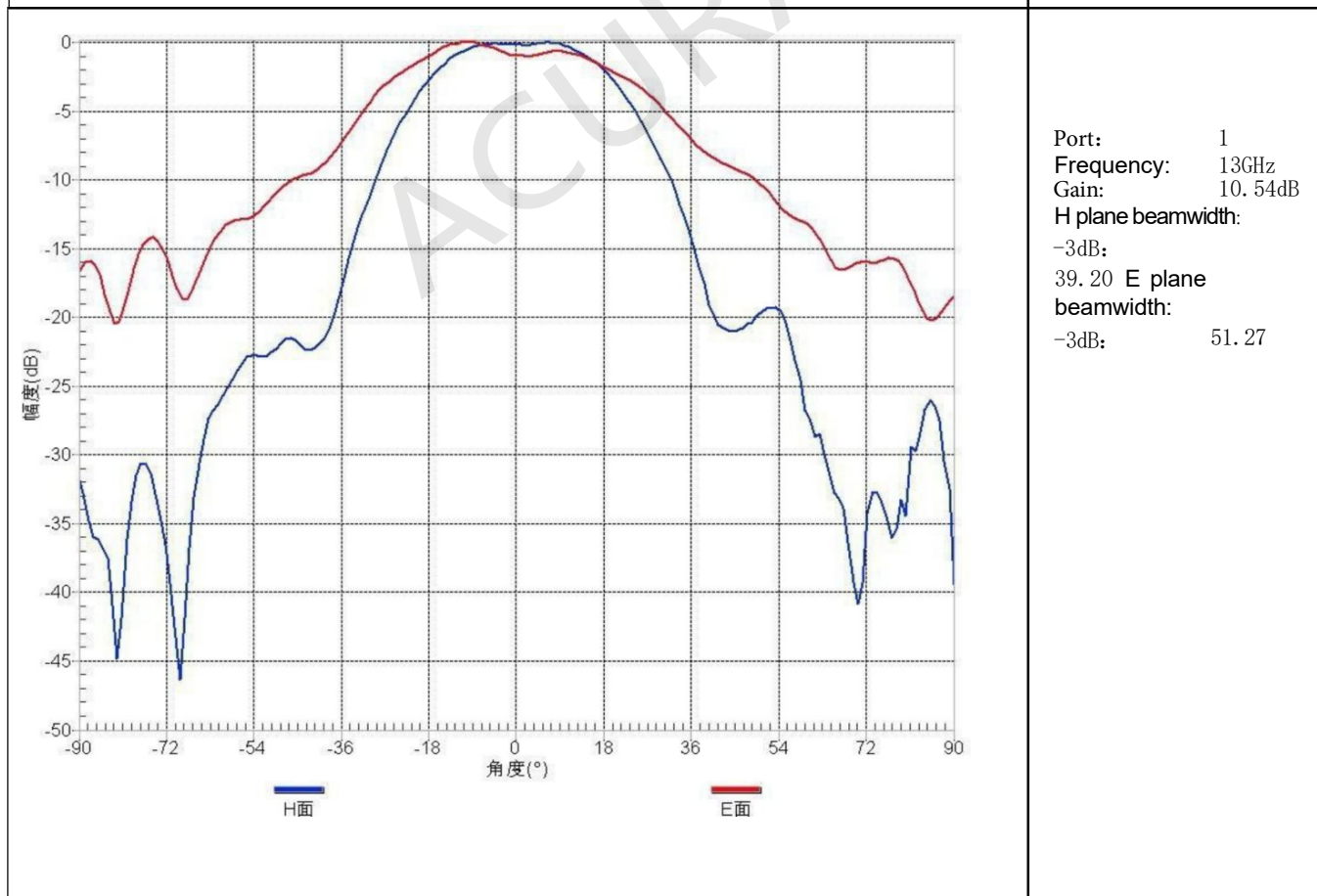
Port: 1
Frequency: 10GHz
Gain: 11.86dB

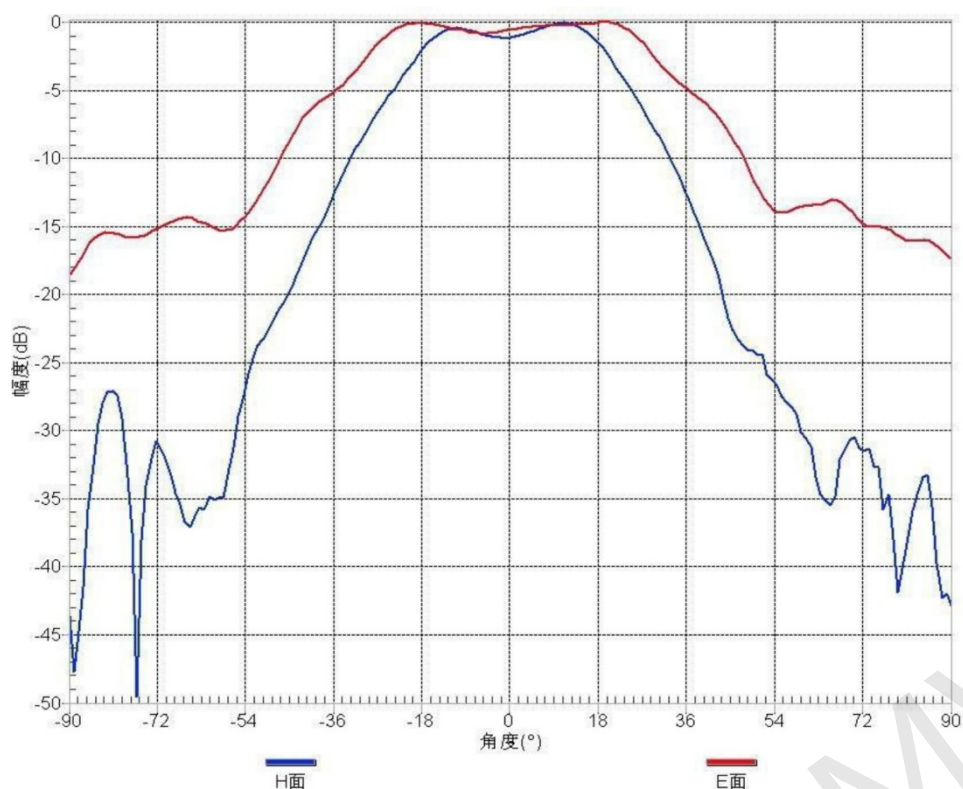
-3dB: 33.56° E plane
beamwidth
-3dB: 36.42°



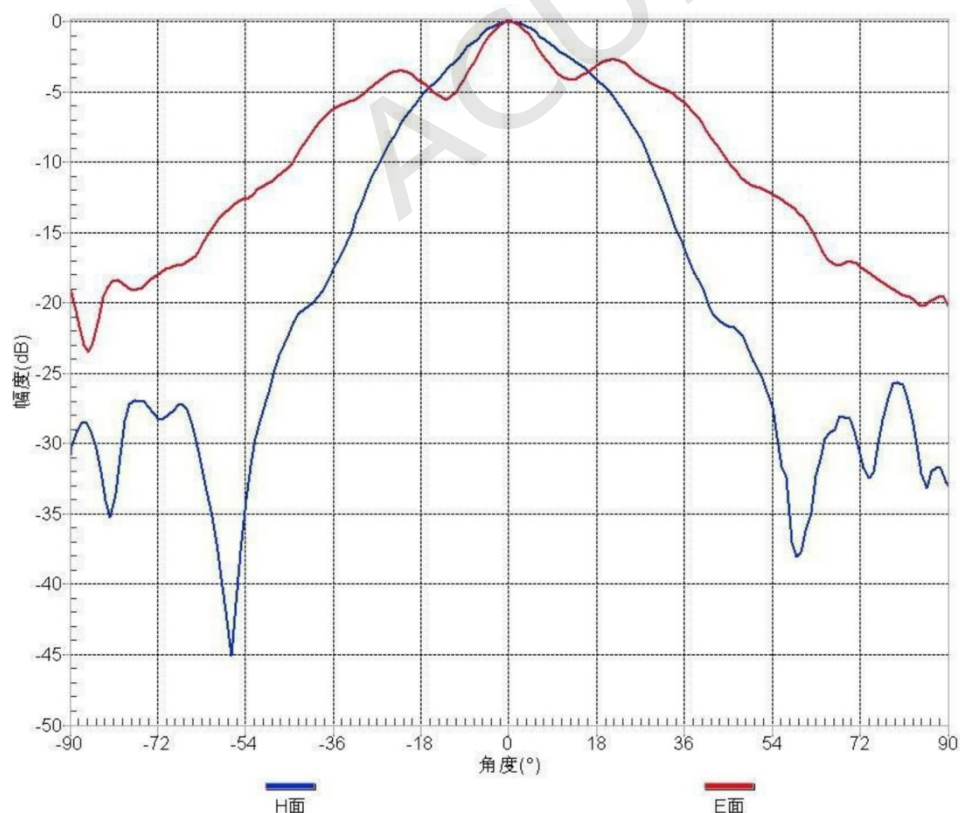
Port: 1
Frequency: 11GHz
Gain: 11.36dB

H plane beamwidth
-3dB: 32.35° E plane
beamwidth
-3dB: 41.63°

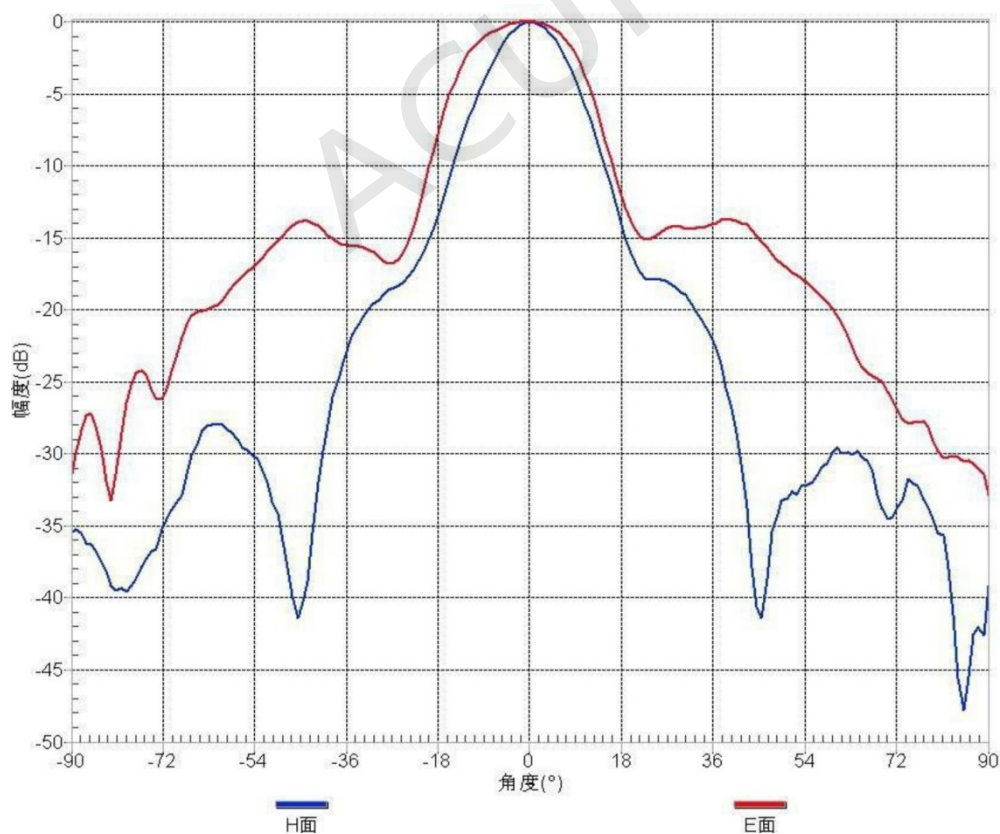
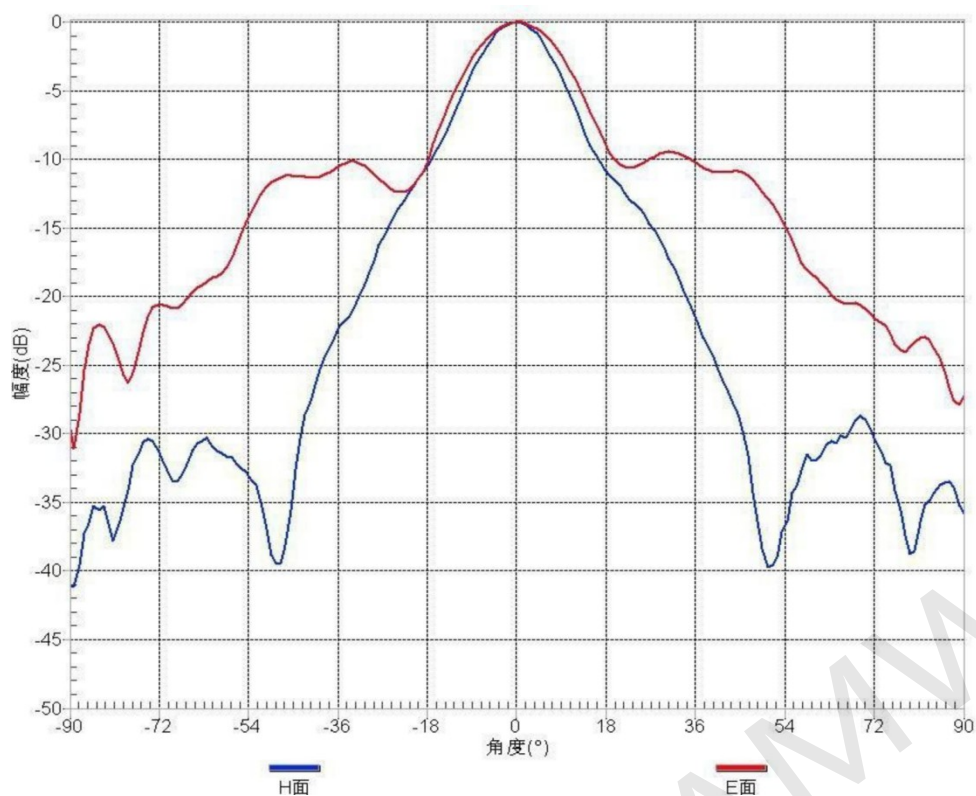


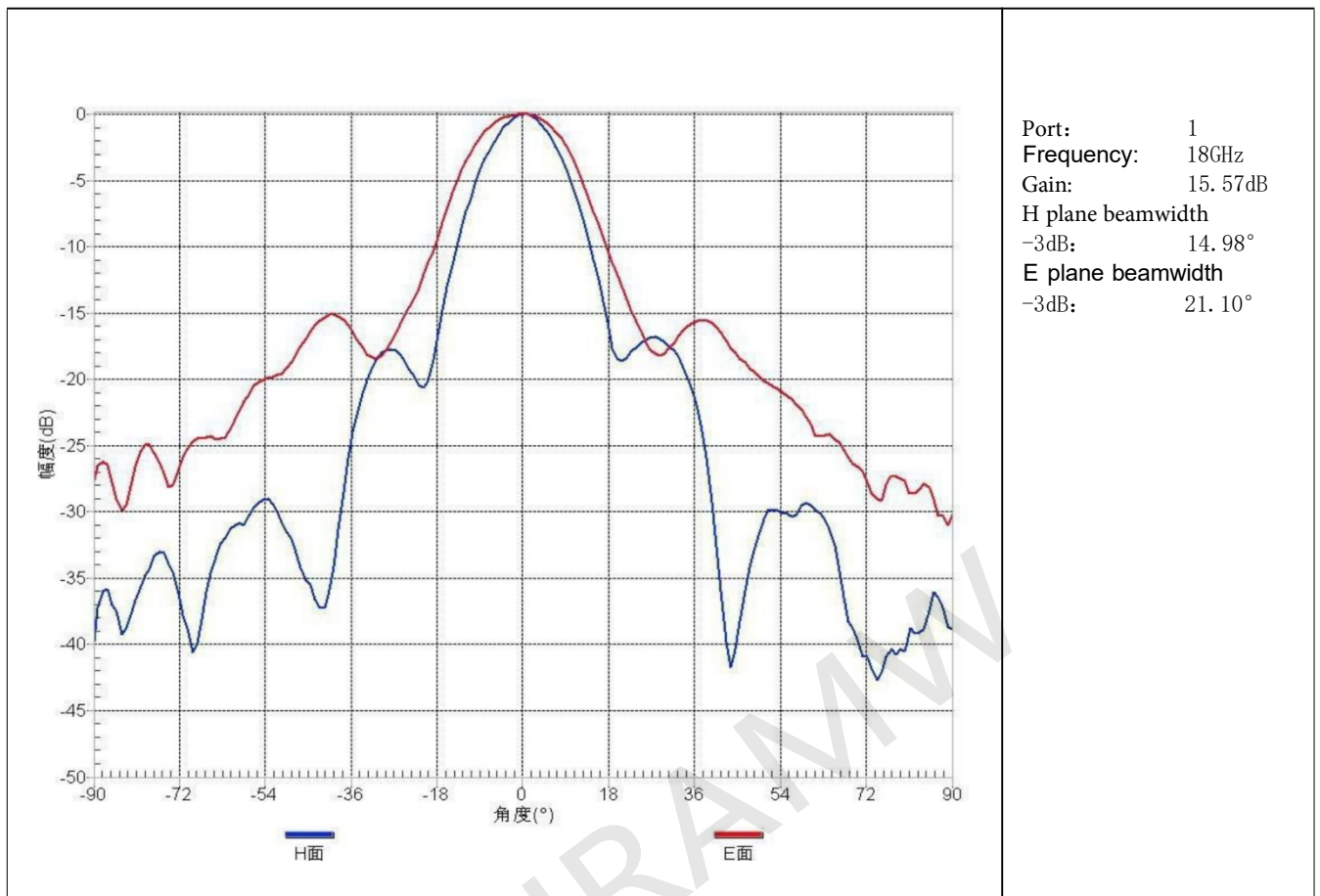


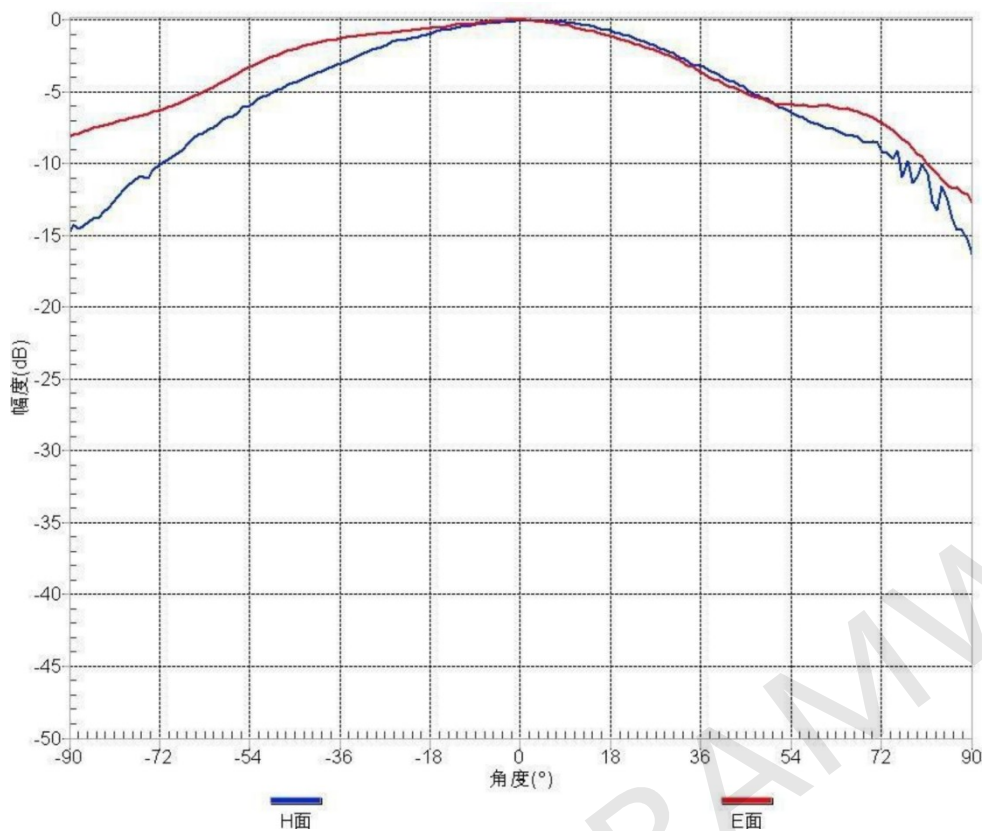
Port: 1
Frequency: 14GHz
Gain: 10.07dB
H plane beamwidth
-3dB: 41.04
E plane
beamwidth
-3dB: 60.78



Port: 1
Frequency: 15GHz
Gain: 11.60dB
H plane beamwidth
-3dB: 25.82
E plane
beamwidth
-3dB: 29.74

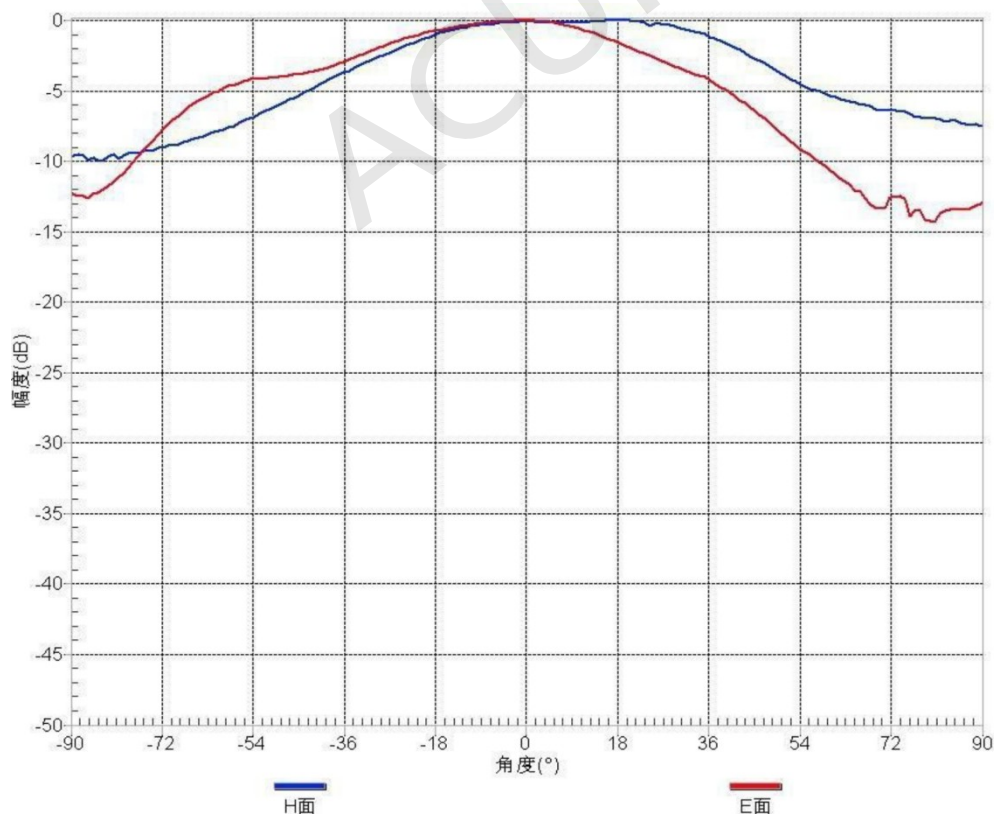




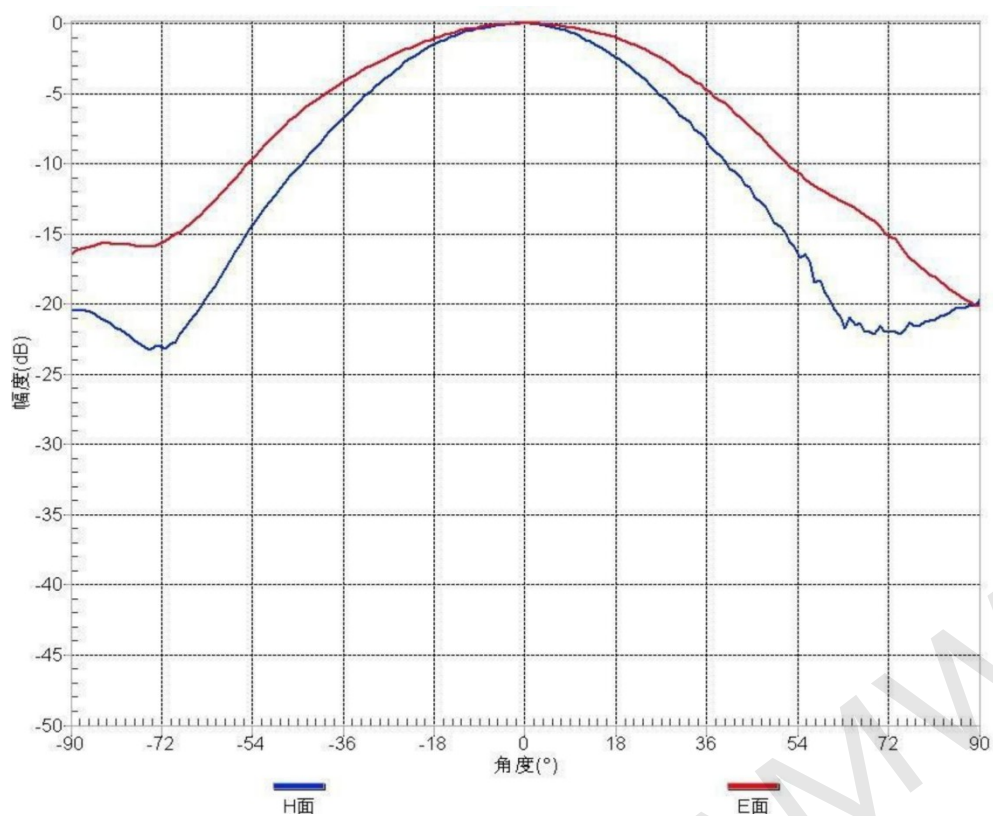


Port: 2
Frequency: 2GHz
Gain: 5.4dB

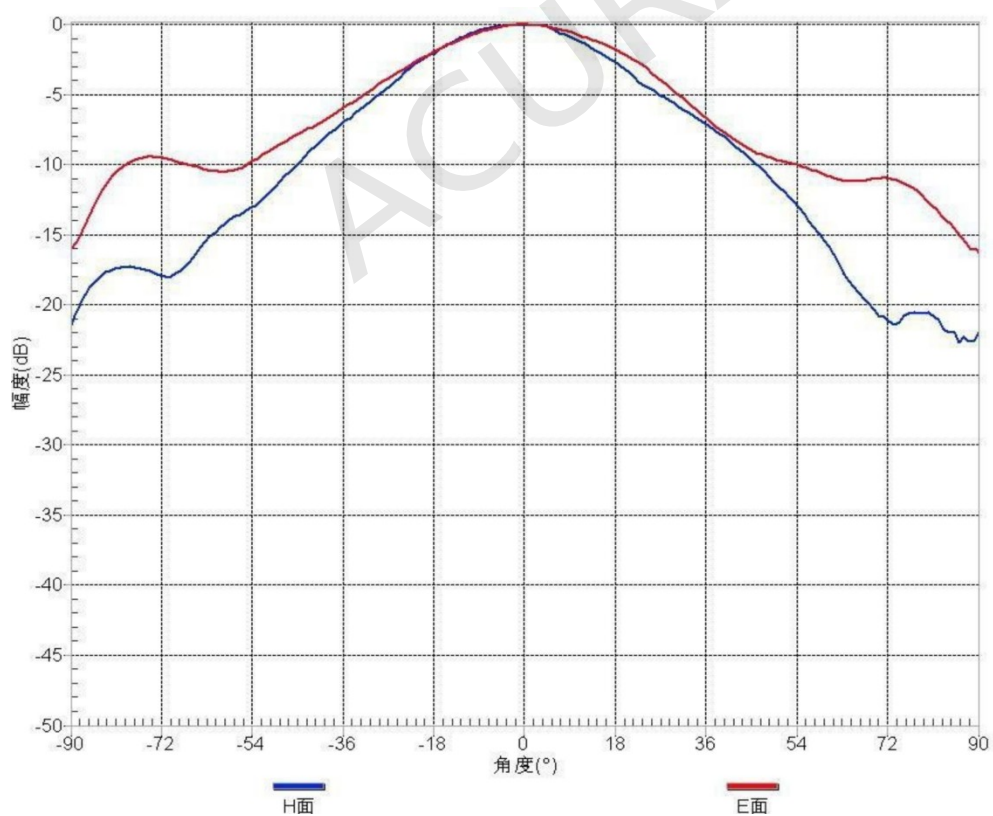
H plane beamwidth:
-3dB: 69.30°
E plane beamwidth:
-3dB: 84.88°



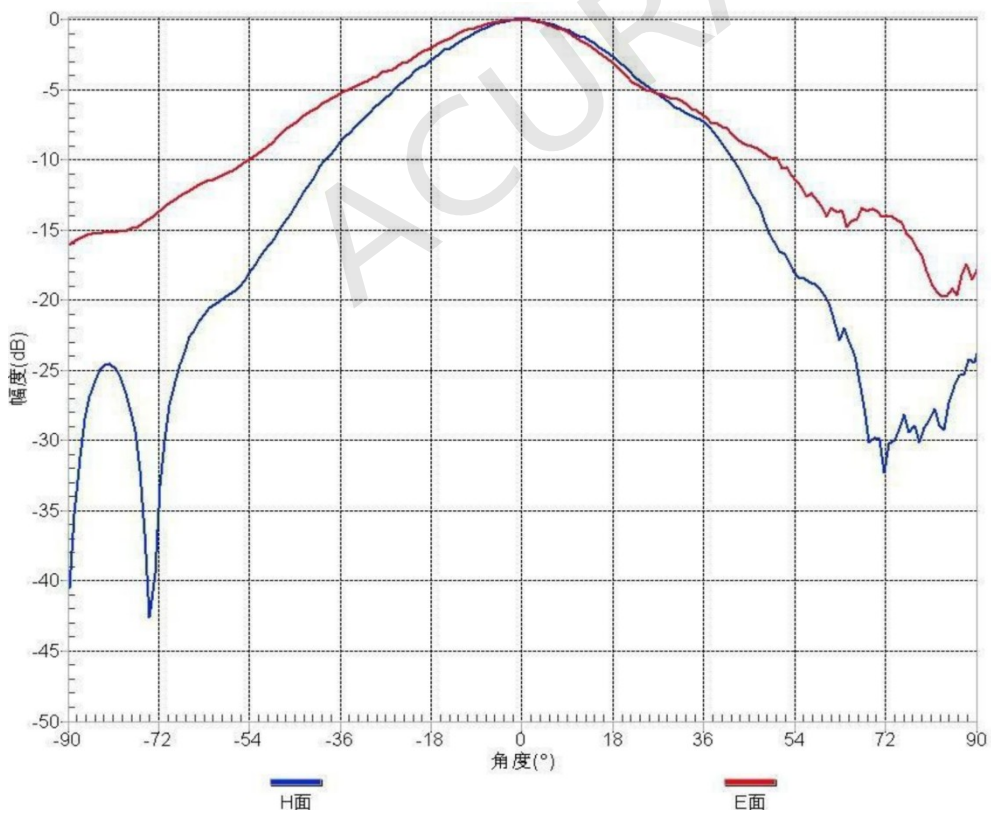
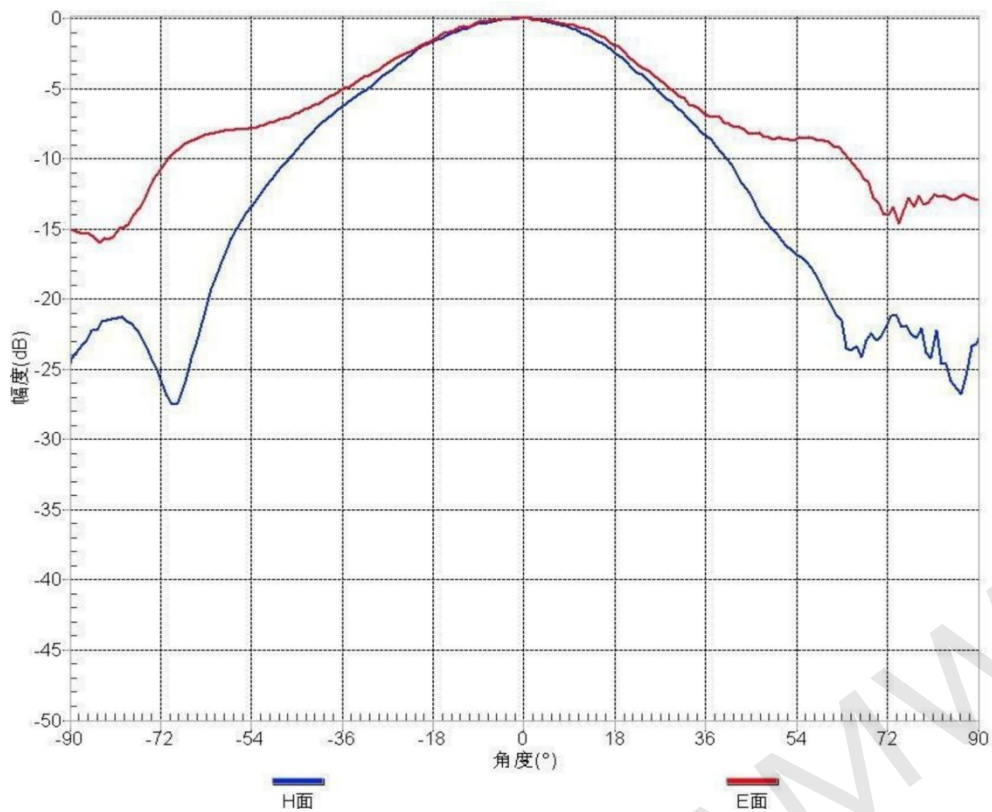
Port: 2
Frequency: 3GHz
Gain: 5.85dB
H plane beamwidth:
-3dB: 78.67°
E plane beamwidth:
-3dB: 64.21°

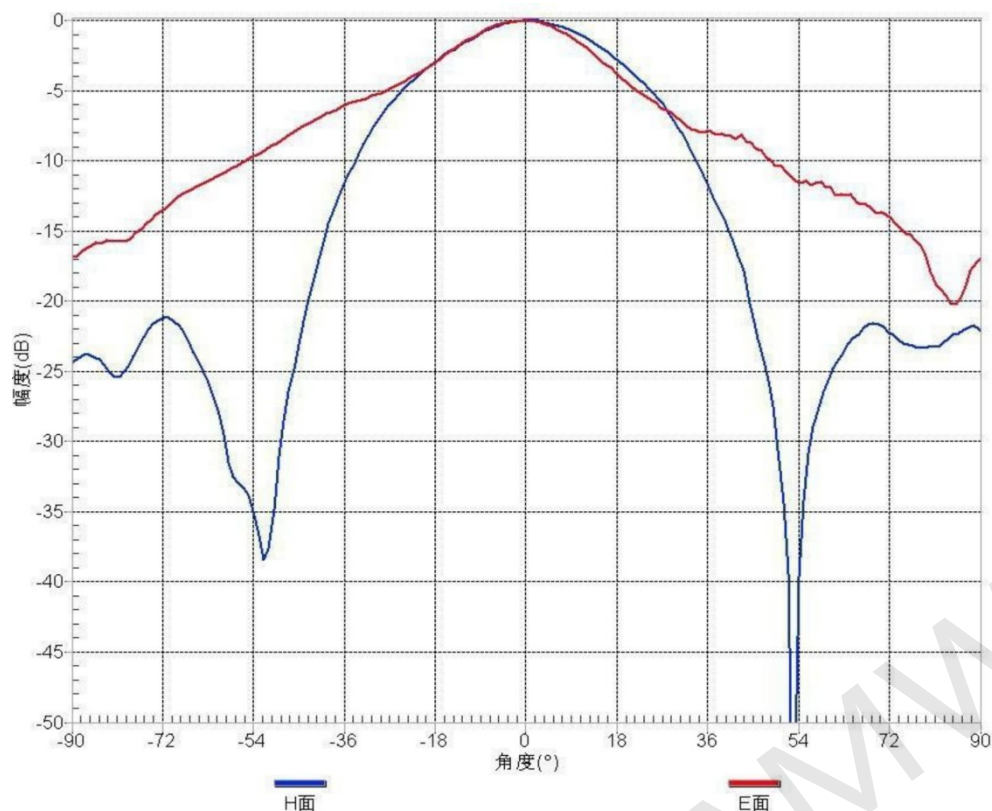


Port: 2
Frequency: 4GHz
Gain: 9.45dB
H plane beamwidth
-3dB: 44.79°
E plane beamwidth
-3dB: 59.67°

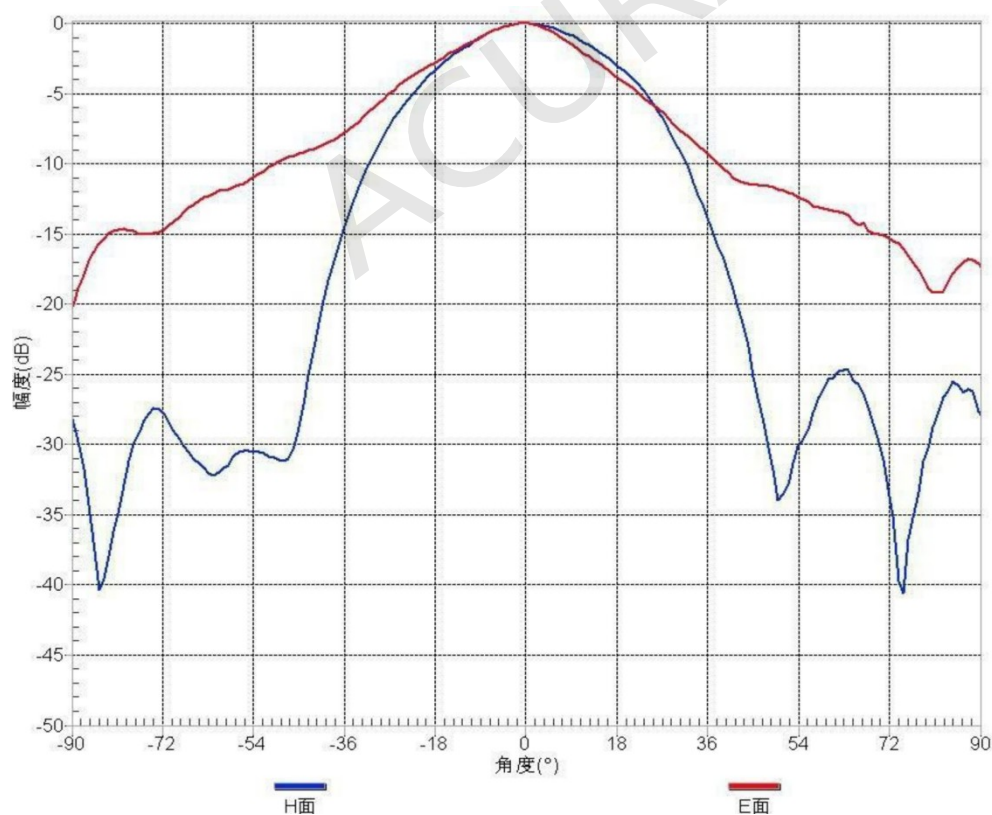


Port: 2
Frequency: 5GHz
Gain: 10.02dB
H plane beamwidth
-3dB: 41.53°
E plane beamwidth
-3dB: 46.77°

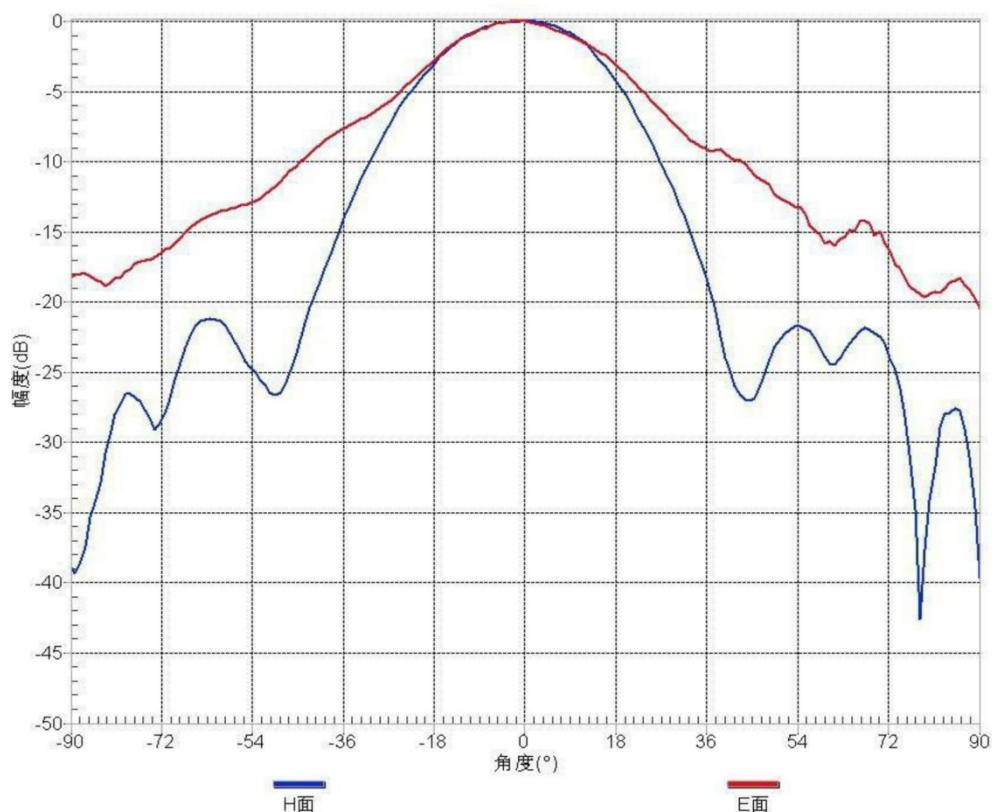




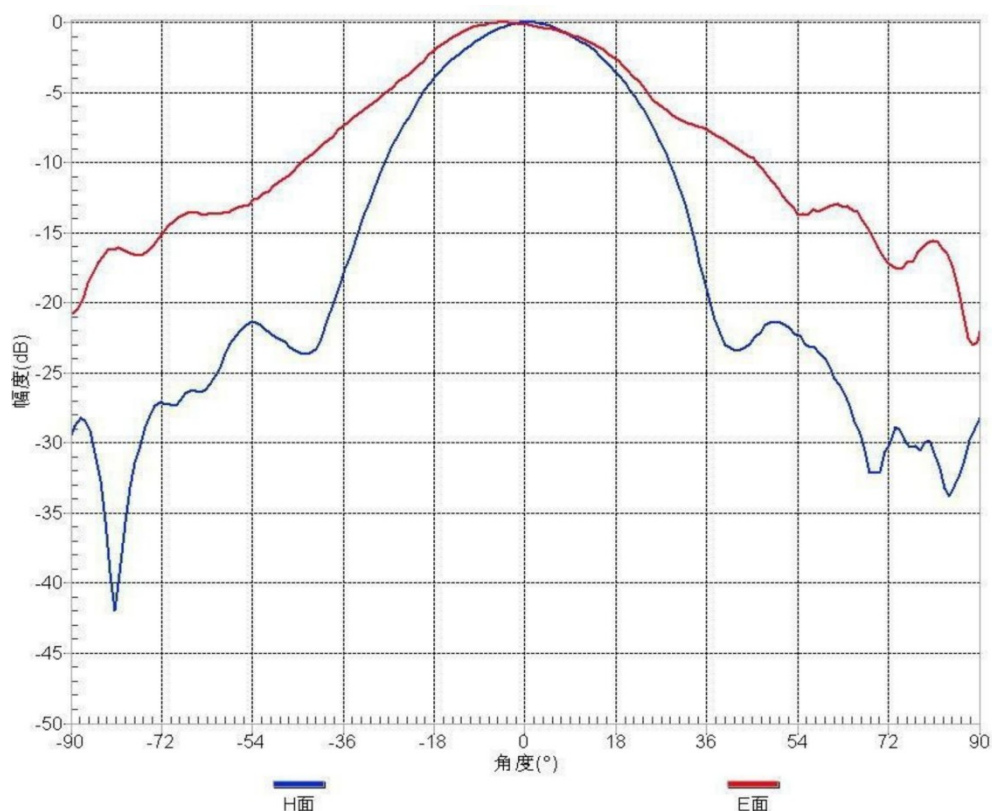
Port: 2
 Frequen: cy: 8GHz
 Gain: 13.56dB
 H plane beamwidth
 -3dB: 36.93°
 E plane beamwidth
 -3dB: 33.28°



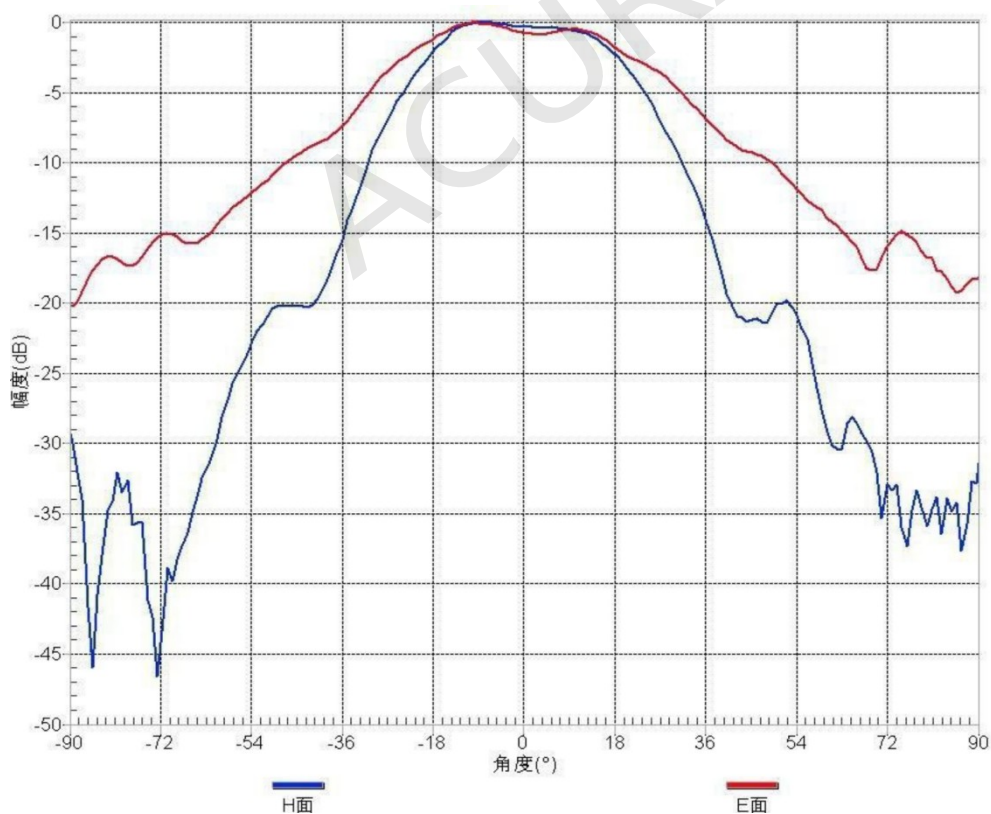
Port: 2
 Frequency: 9GHz
 Gain: 12.48dB
 H plane beamwidth
 -3dB: 34.92°
 E plane beamwidth
 -3dB: 34.18°

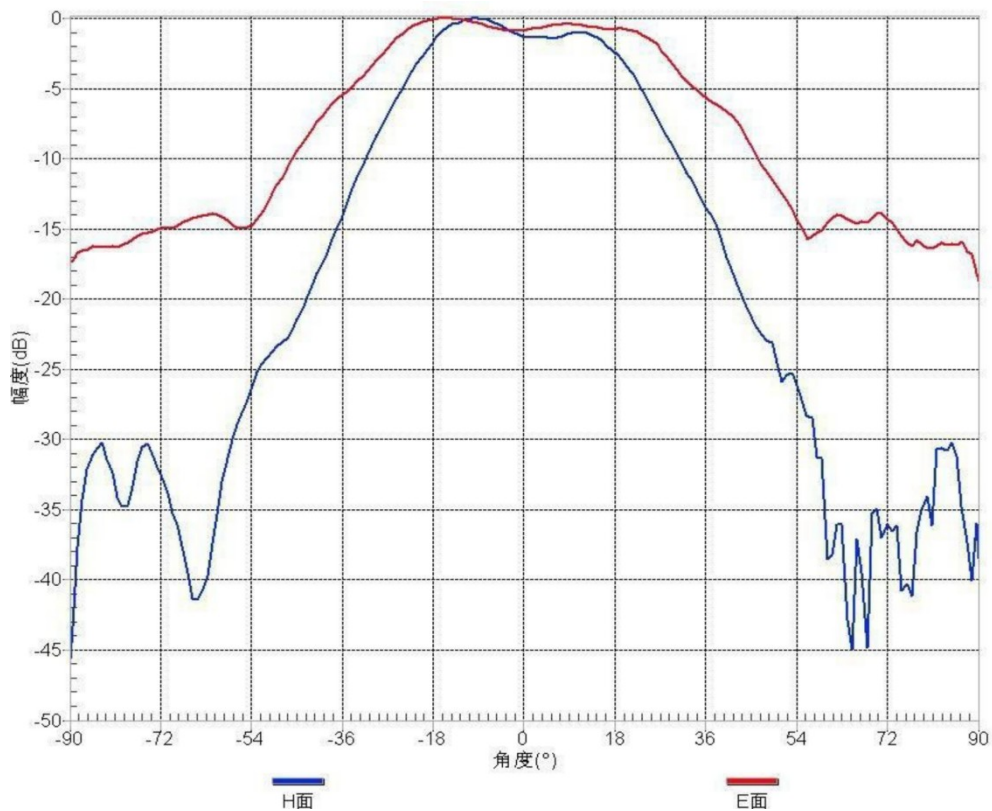


Port: 2
 Frequency: 10GHz
 Gain: 12.37dB
 H plane beamwidth
 -3dB: 33.37°
 E plane beamwidth
 -3dB: 36.42°

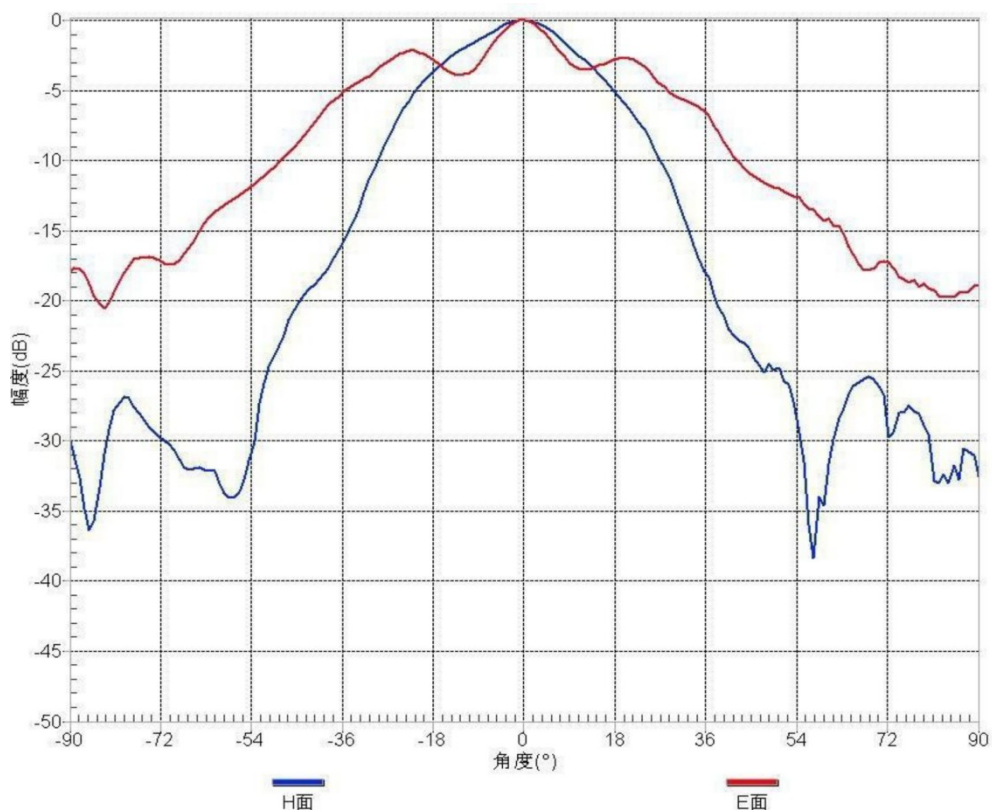


Port: 2
 Frequency: 11GHz
 Gain: 12.29dB
 H plane beamwidth
 -3dB: 31.96°
 E plane beamwidth
 -3dB: 40.03°





Port: 2
 Frequency: 14GHz
 Gain: 10.80dB
 H plane beamwidth
 -3dB: 40.29°
 E plane beamwidth
 -3dB: 57.94°



Port: 2
 Frequency: 15GHz
 Gain: 11.74dB
 H plane beamwidth
 -3dB: 28.21°
 E plane beamwidth
 -3dB: 26.95°

