



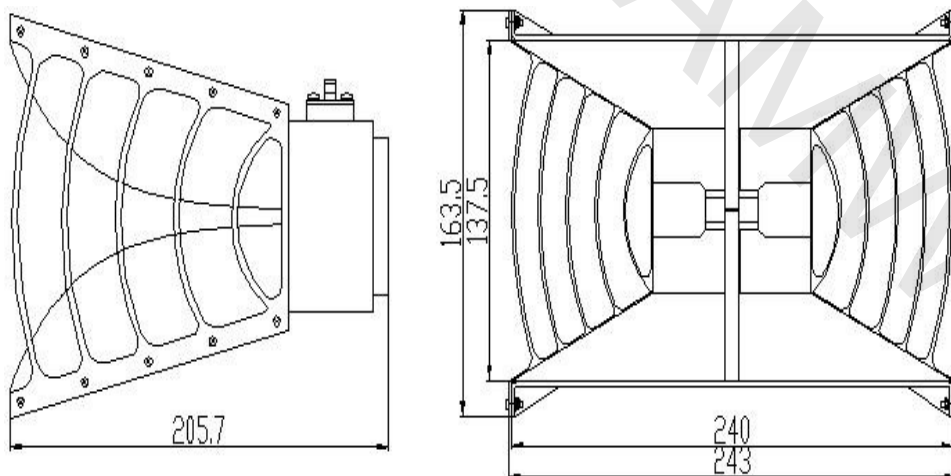
P/N: AMT-BHA10180-NF

Technical Specification

	Frequency Range(GHz)	1.0-18.0
	Gain(dBi)	11 Typ.
	Polarization	Linear
	Impedance(Ohms)	50
	Connector	N-female/SMA-female
	VSWR	2.5 Max.
	Material	Al
	Size(mm)	243 x 164 x 206 approx.
	Weight(Kg)	1.6 approx.

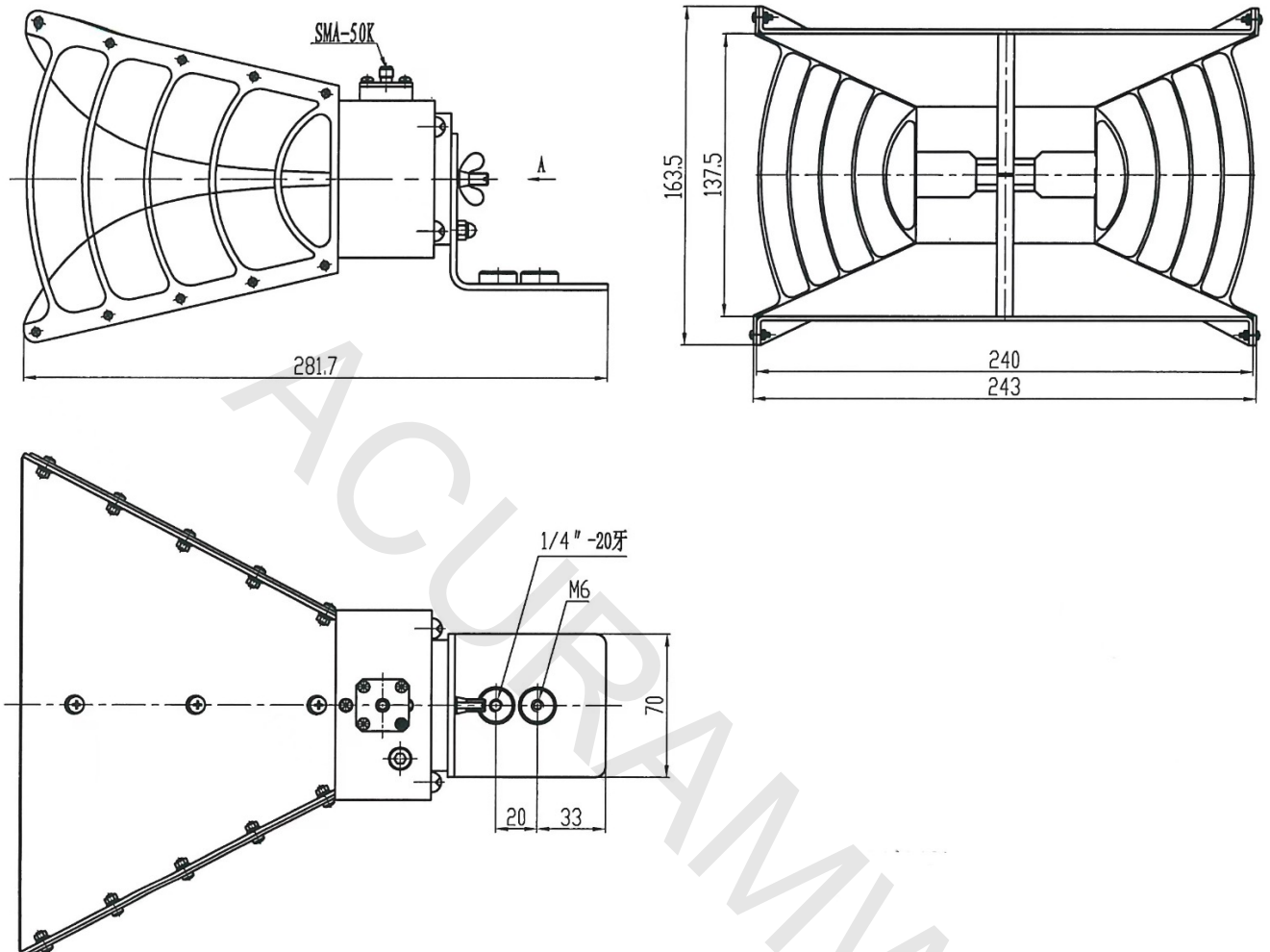
Outline (mm)

(The SMA-Female connector is also available)





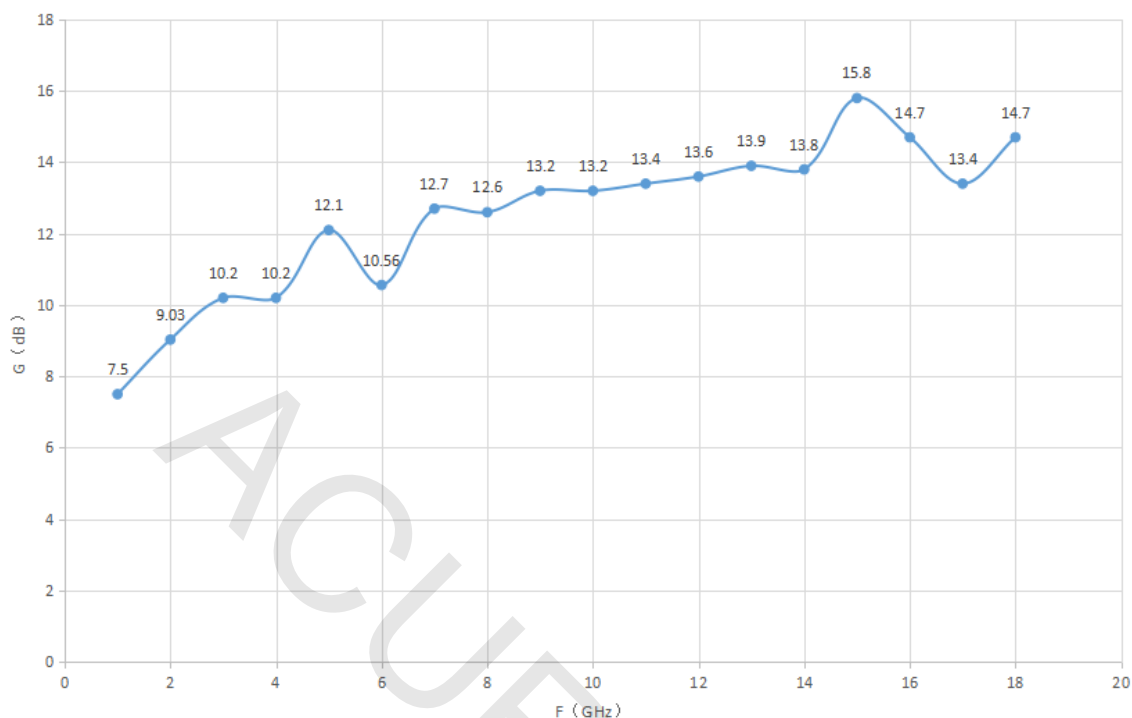
The SMA-Female connector with the L type mounting bracket for tripod application.





Test Result

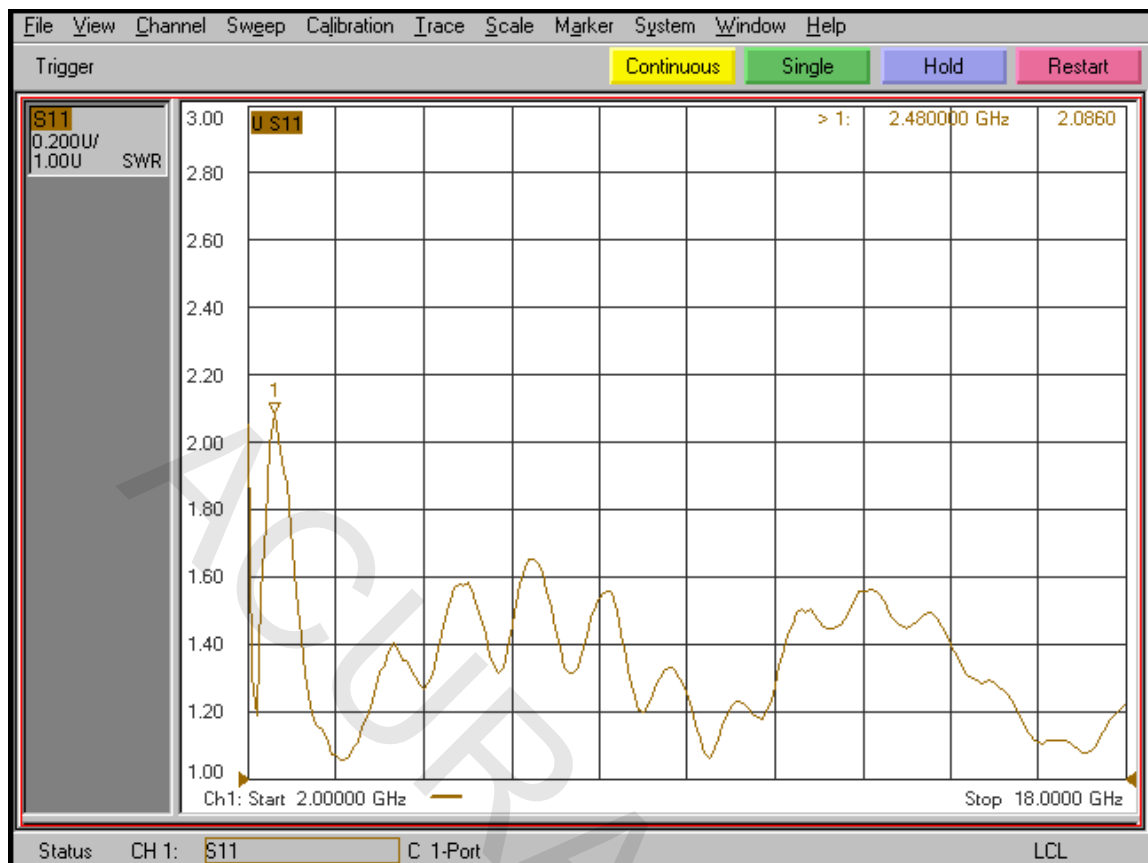
Gain



F (GHz)	G (dB)	AF (db/m)
1	7.5	22.71
2	9.03	27.20
3	10.2	29.55
4	10.2	32.05
5	12.1	32.09
6	10.56	35.21
7	12.7	34.41
8	12.6	35.67
9	13.2	36.09
10	13.2	37.01
11	13.4	37.64
12	13.6	38.19
13	13.9	38.59
14	13.8	39.33
15	15.8	37.93
16	14.7	39.59
17	13.4	41.42
18	14.7	40.62

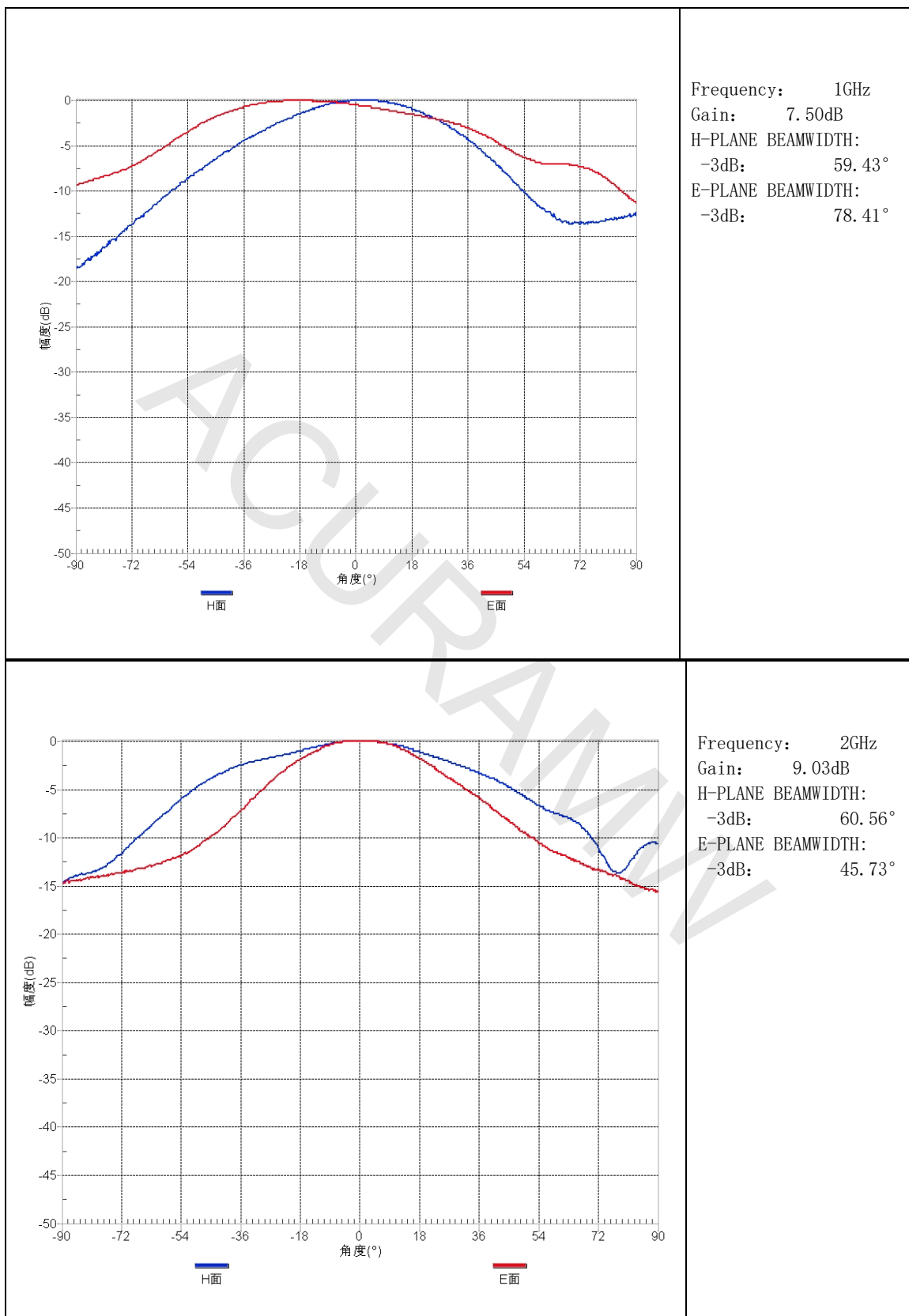


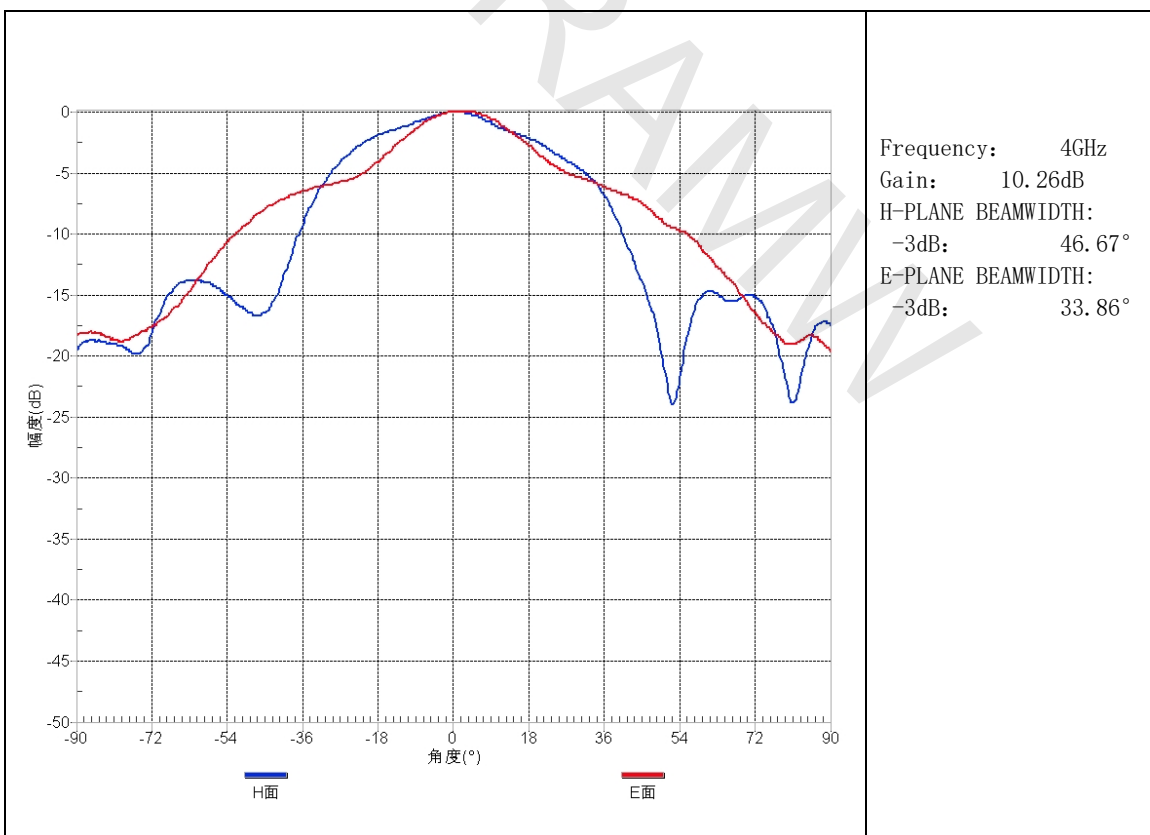
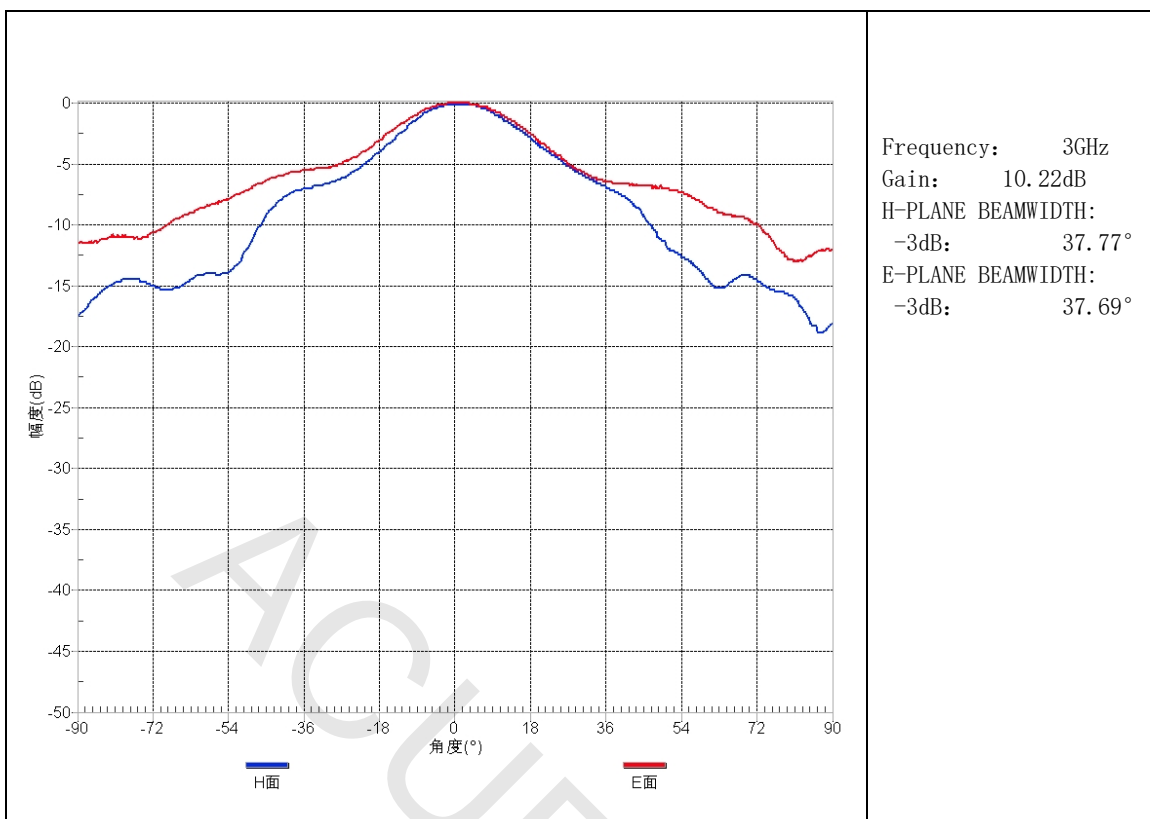
VSWR

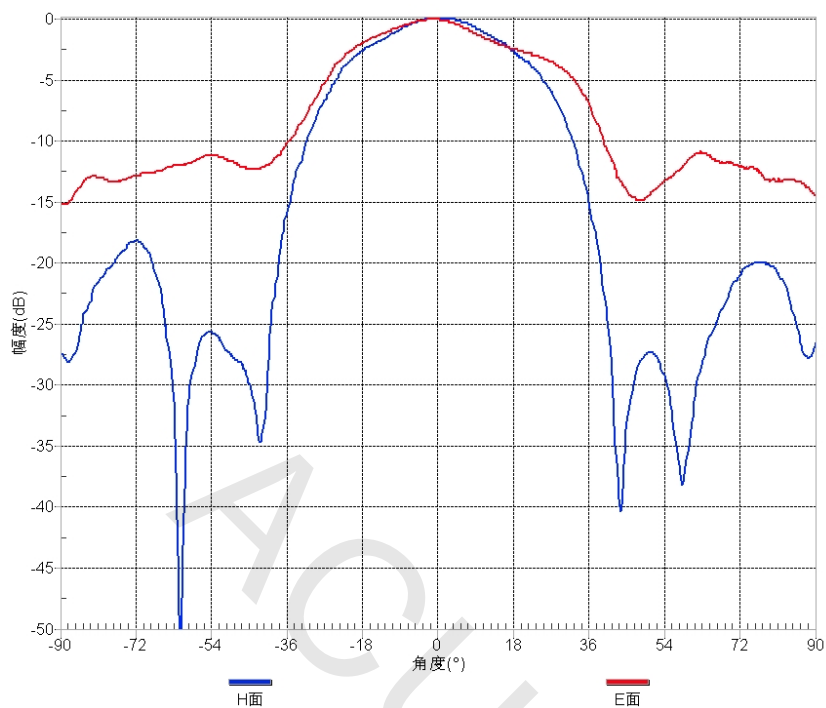




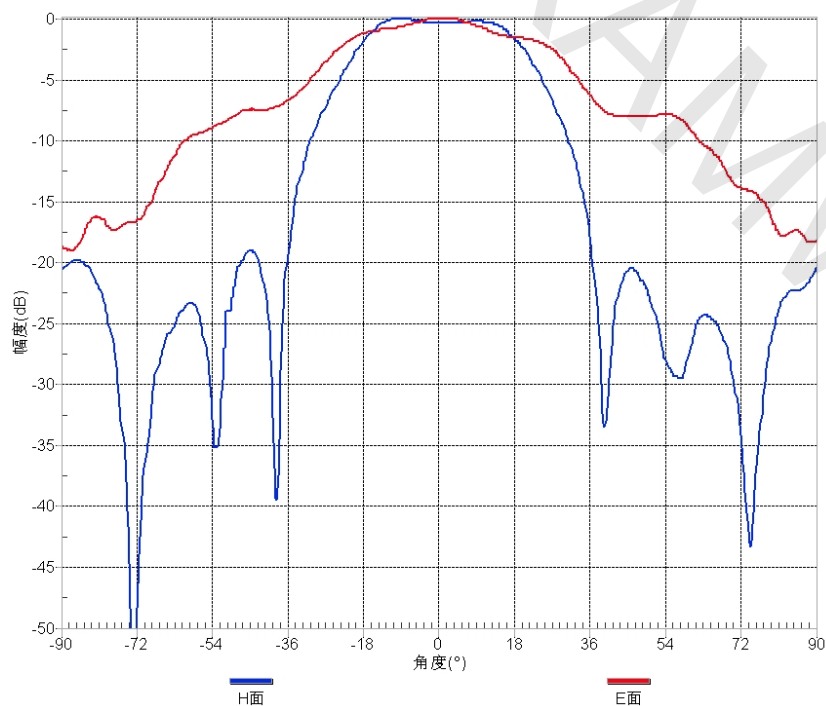
Pattern



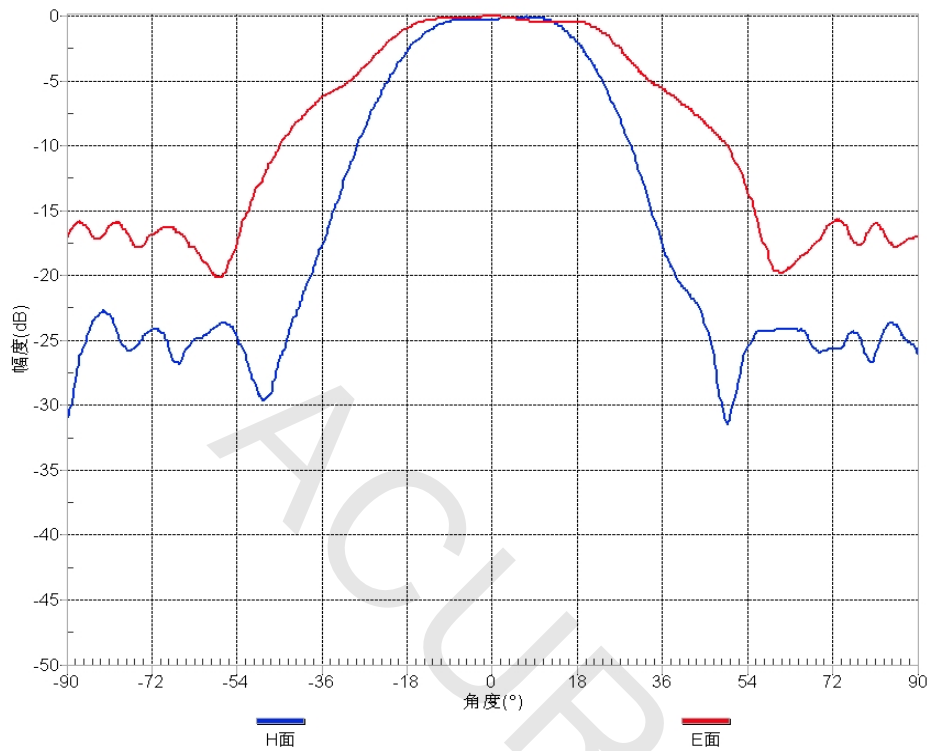




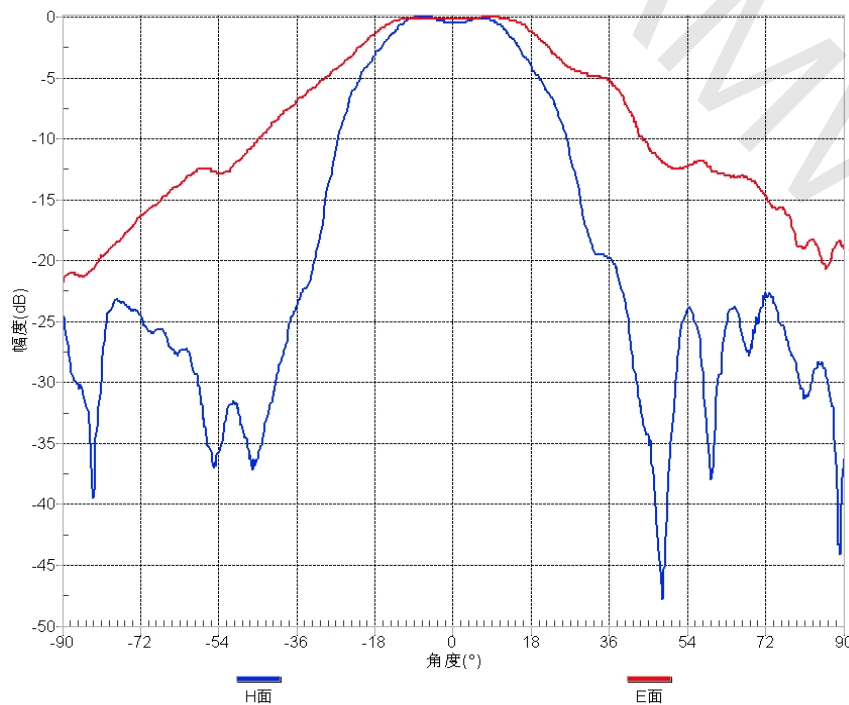
Frequency: 5GHz
Gain: 12.11dB
H-PLANE BEAMWIDTH:
-3dB: 39.2°
E-PLANE BEAMWIDTH:
-3dB: 45.3°



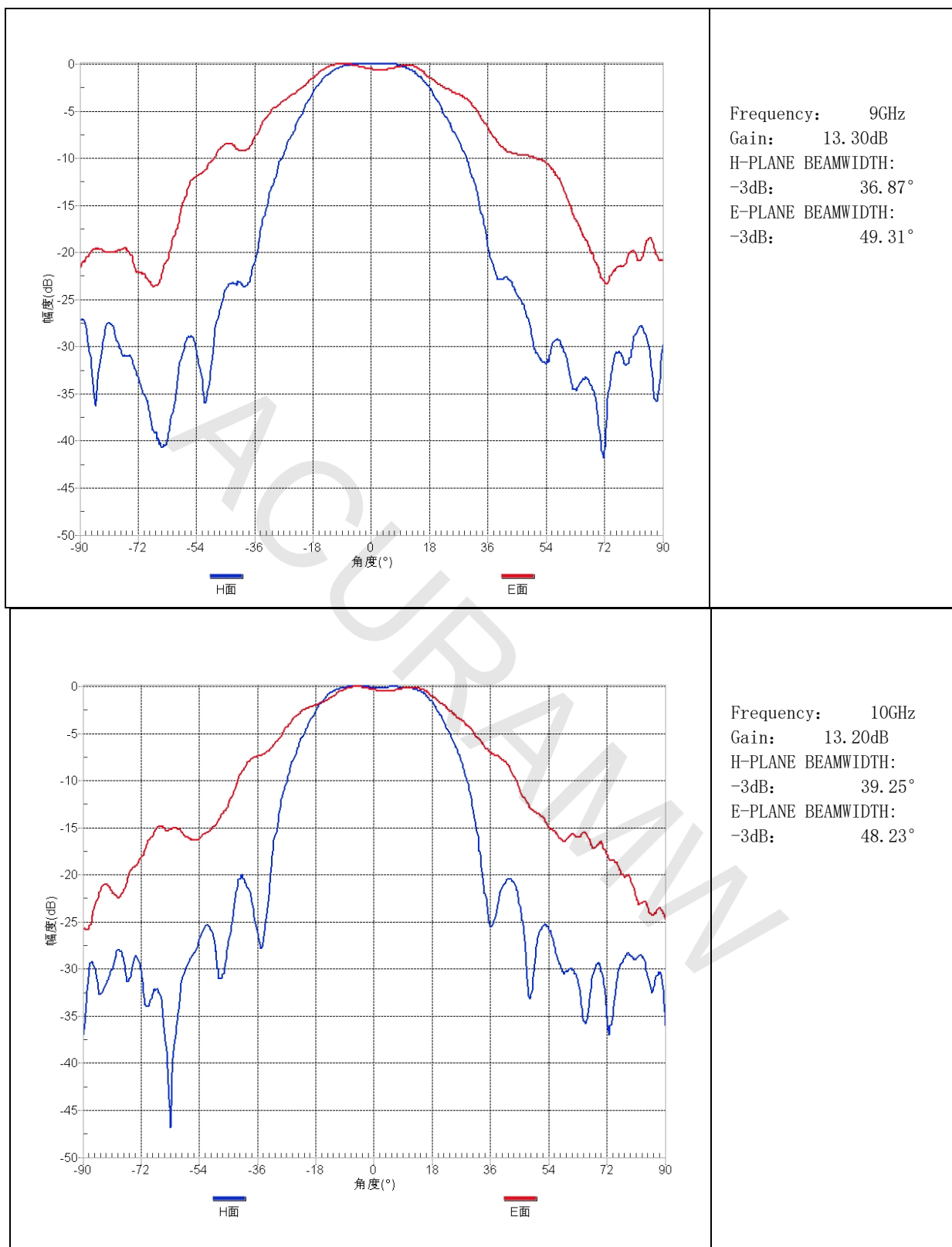
Frequency: 6GHz
Gain: 10.56dB
H-PLANE BEAMWIDTH:
-3dB: 41.82°
E-PLANE BEAMWIDTH:
-3dB: 54.53°

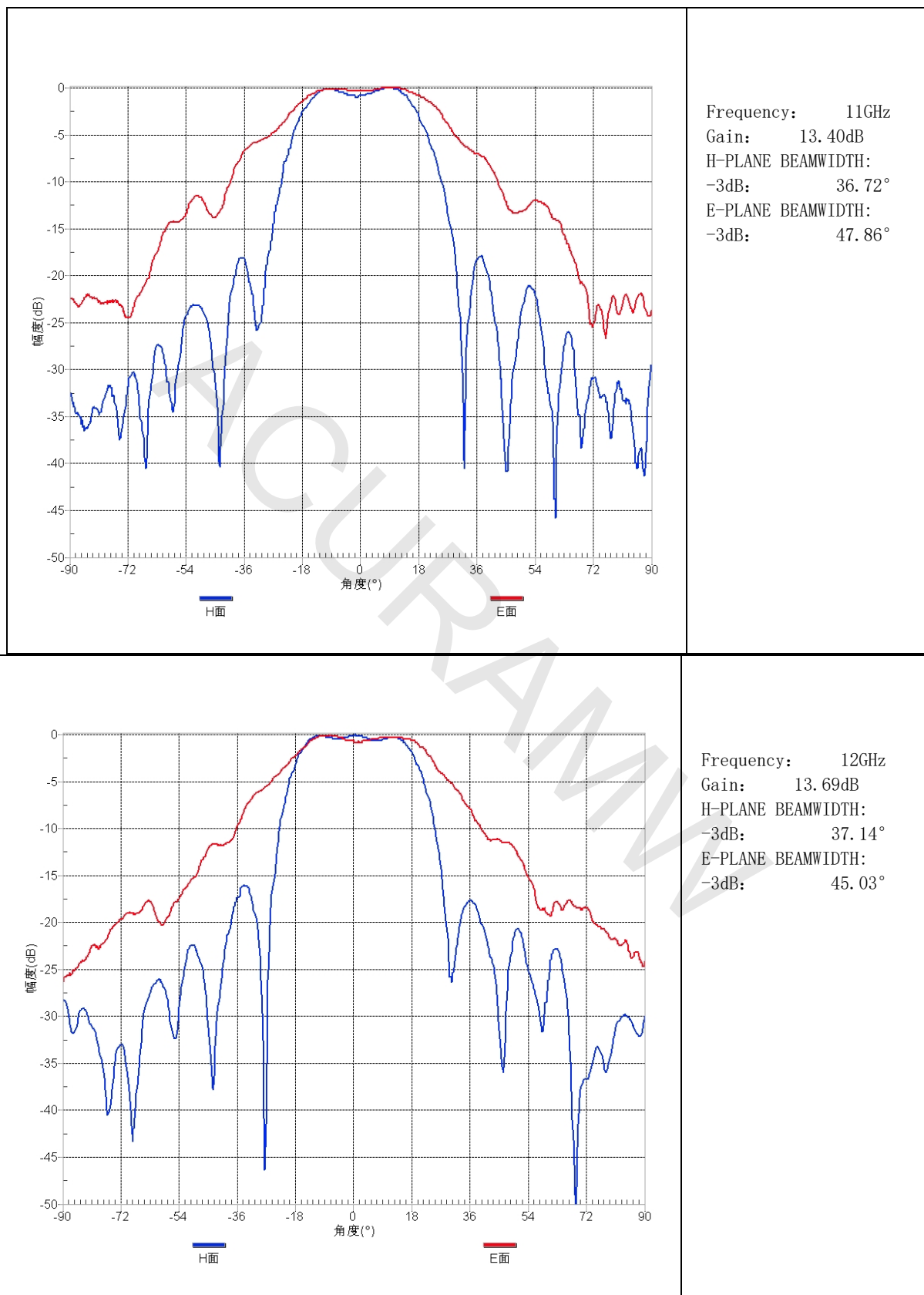


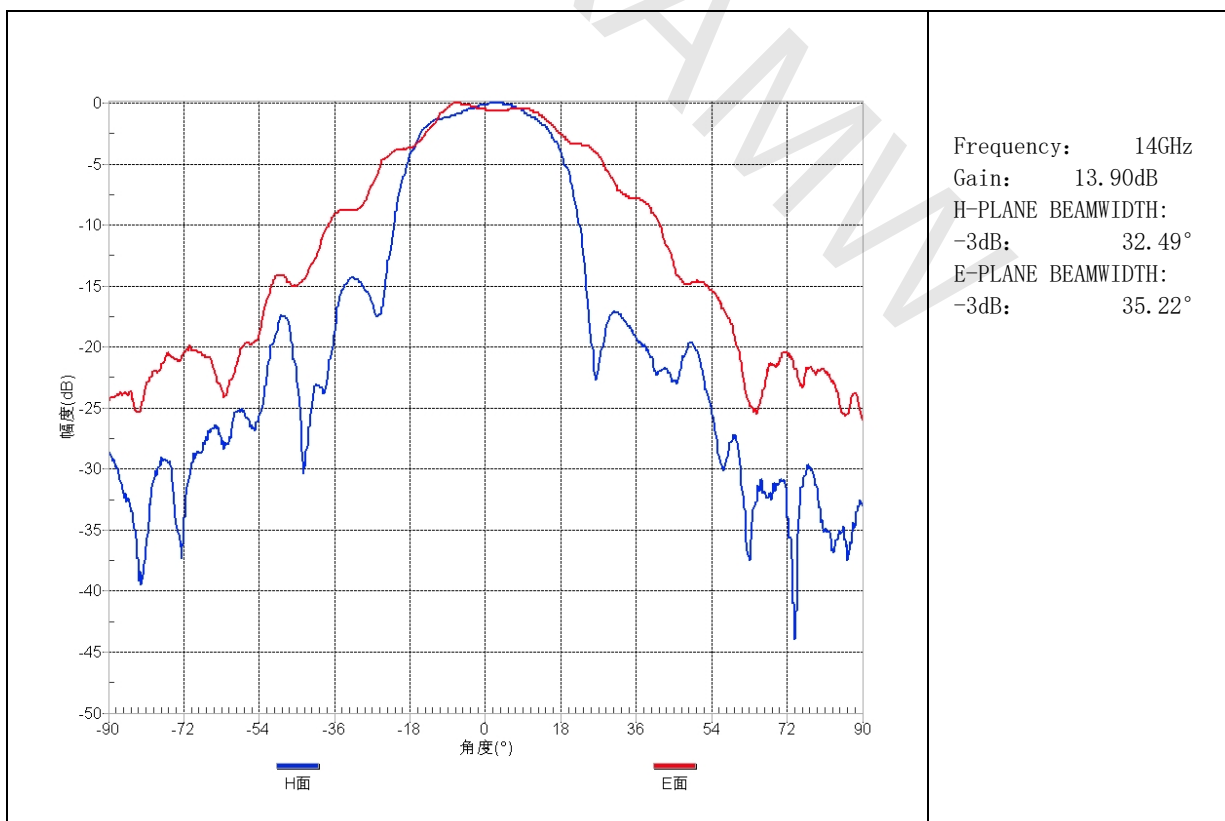
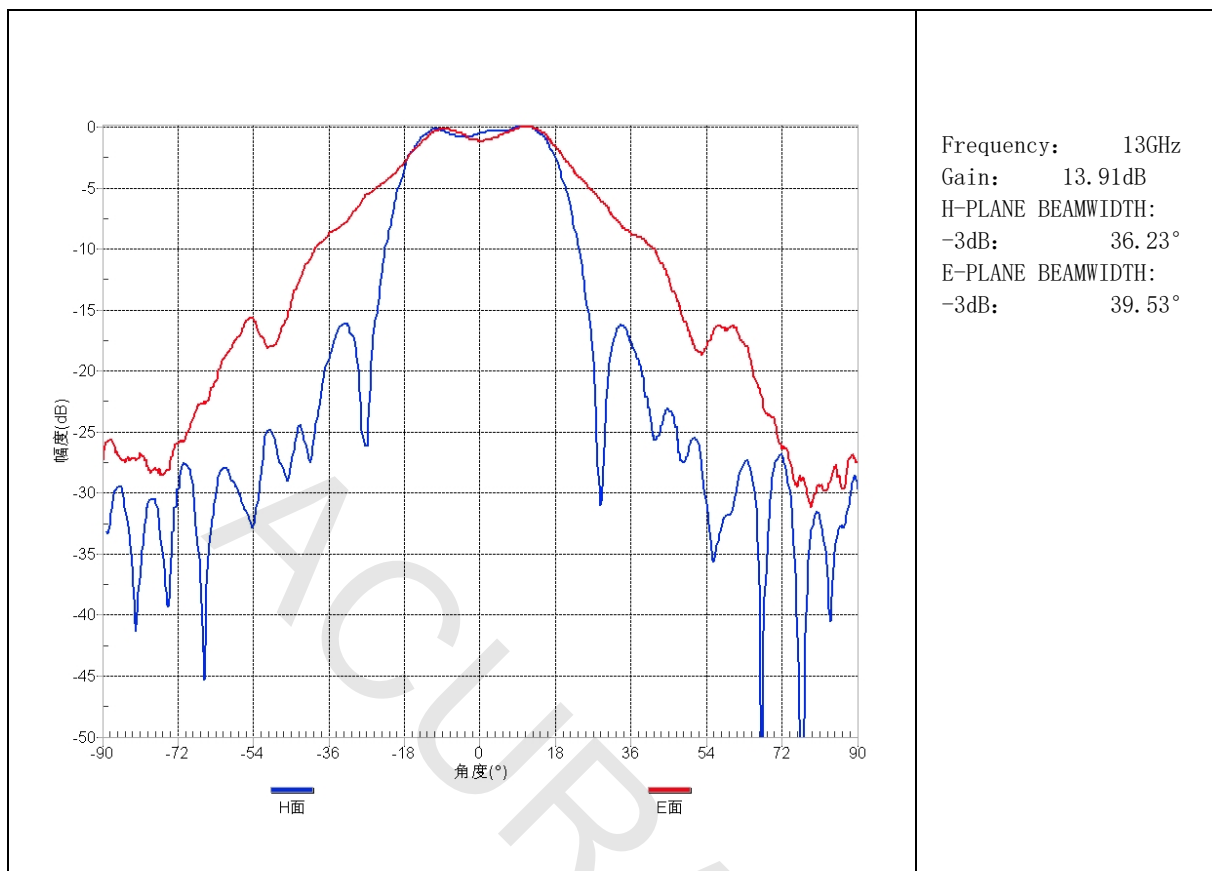
Frequency: 7GHz
Gain: 12.70dB
H-PLANE BEAMWIDTH:
-3dB: 38.38°
E-PLANE BEAMWIDTH:
-3dB: 52.71°

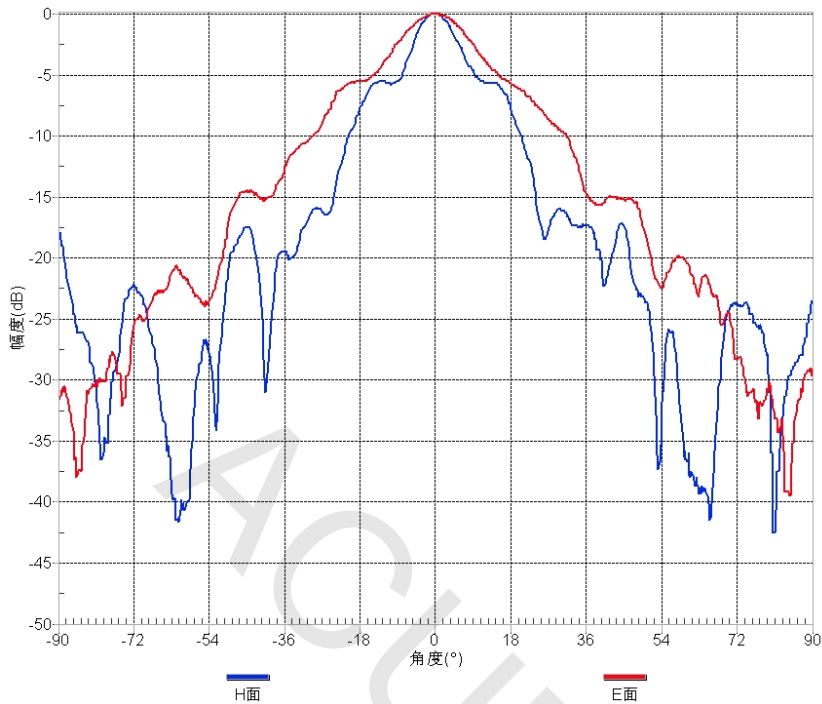


Frequency: 8GHz
Gain: 12.62dB
H-PLANE BEAMWIDTH:
-3dB: 33.83°
E-PLANE BEAMWIDTH:
-3dB: 48.14°

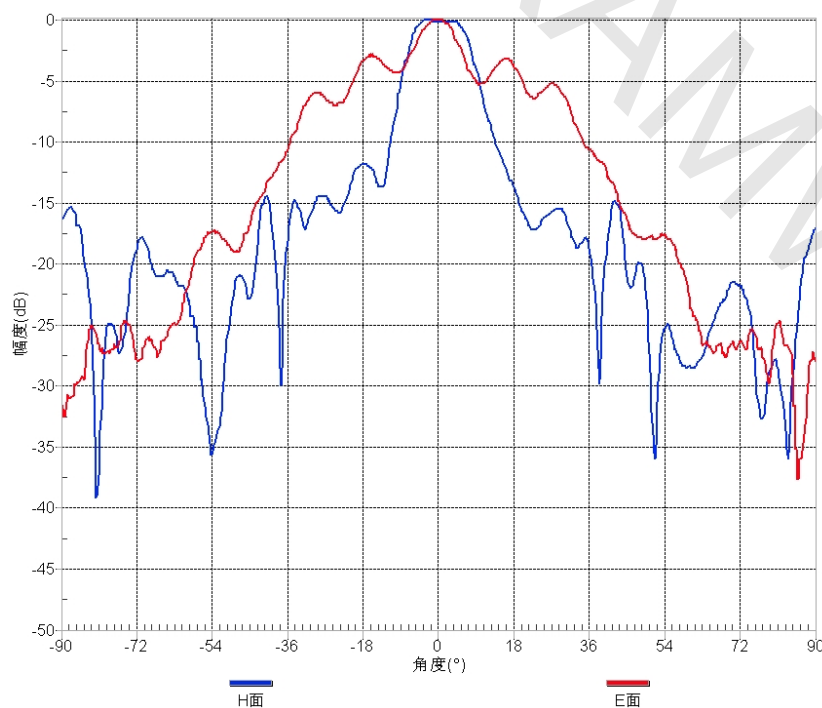




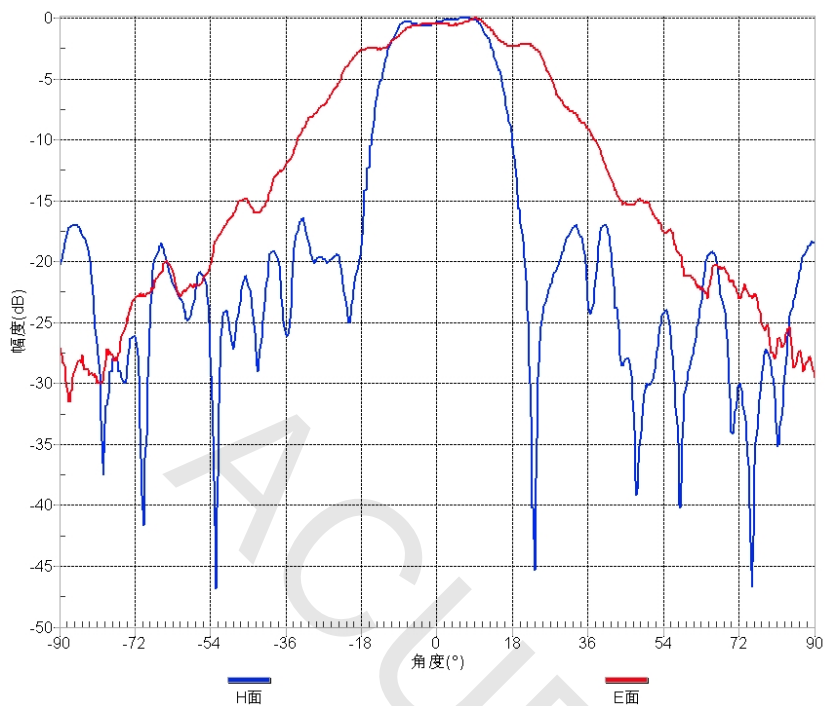




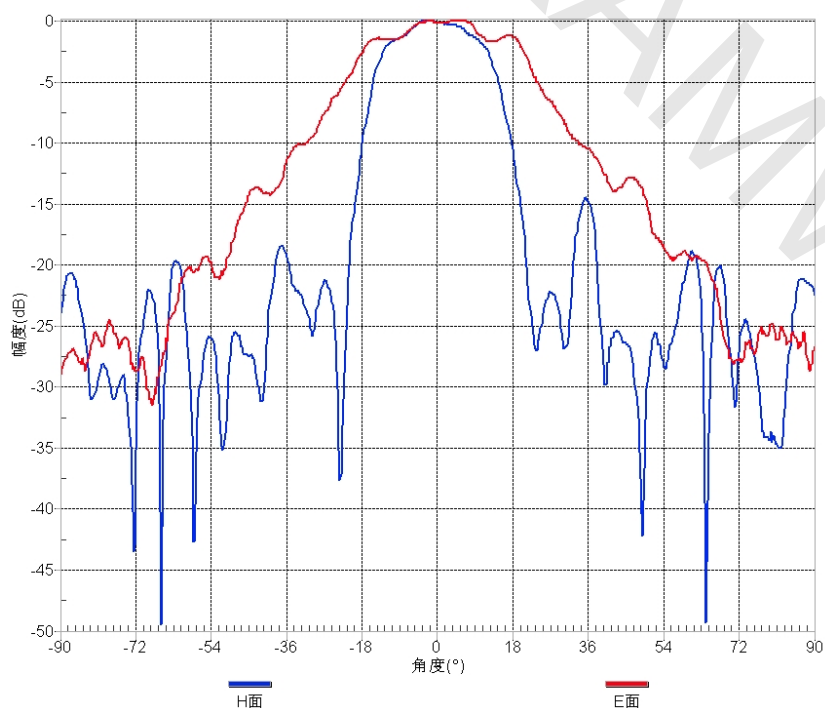
Frequency: 15GHz
Gain: 15.80dB
H-PLANE BEAMWIDTH:
-3dB: 12.30°
E-PLANE BEAMWIDTH:
-3dB: 20.19°



Frequency: 16GHz
Gain: 14.73dB
H-PLANE BEAMWIDTH:
-3dB: 16.67°
E-PLANE BEAMWIDTH:
-3dB: 13.52°



Frequency: 17GHz
Gain: 13.40dB
H-PLANE BEAMWIDTH:
-3dB: 25.42°
E-PLANE BEAMWIDTH:
-3dB: 43.90°



Frequency: 18GHz
Gain: 14.79dB
H-PLANE BEAMWIDTH:
-3dB: 26.12°
E-PLANE BEAMWIDTH:
-3dB: 40.36°