Test report is for reference only.

TEST REPORT

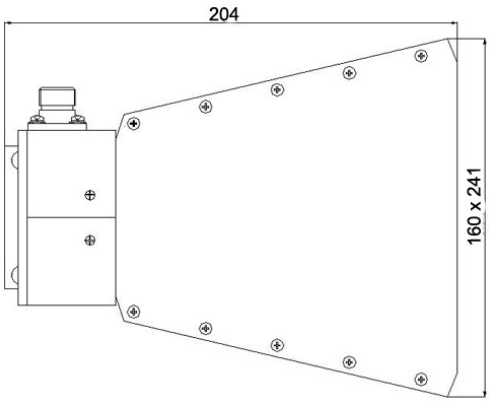
For

OBH-1080

Technical Specification

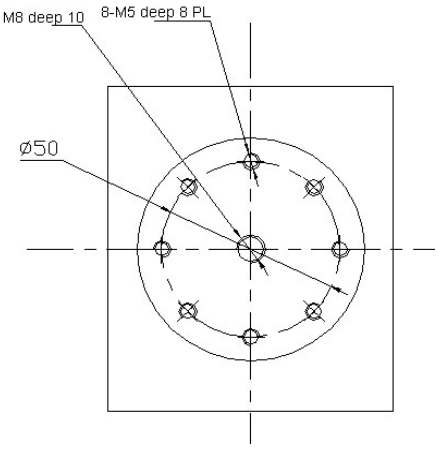
Frequency Range	Gain(Typ.)	Polarization	VSWR(Typ.)	Net Weight(Kg)
1-8GHz	11dBi	Linear	2.0:1	1.75 Around

Outline Drawing (Size: mm)



Mounting Bracket (Two Types for Choice)

P/N: JJ-01

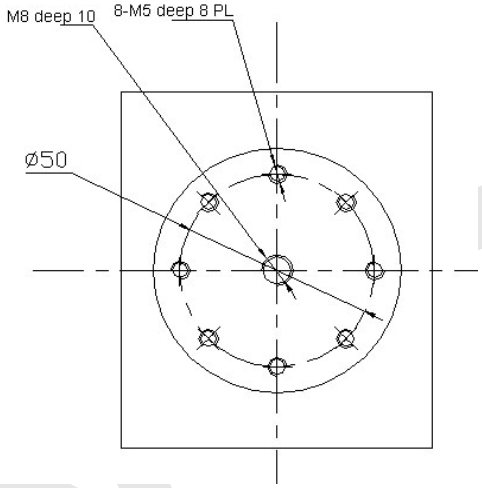
Picture	Mounting holes
	

Including the following parts

Item	Name	Specification	Drawing	Quantity pc/set
1	9-hole back plate	Center hole size: Φ8.5mm 8 small hole size: Φ5.5mm Connecting hole for item 2: Φ4.5mm, sink Material: Aluminum alloy， Surface treatment: abrasive blasting	-	1
2	Fixing back plate	Screw thread of connecting with the 9-backplane: M4 Screw thread of connecting with tripod: 1/4”-20 Material: Aluminum alloy, Surface treatment: abrasive blasting	-	1

3	M8 internal hexagonal screw	Stainless steel size: L= 23.5mm	-	1
4	M8 spring gasket	Stainless steel	-	1
5	M8 flat gasket	Stainless steel	-	1
6	M5 crossed screw	Stainless steel L=18mm	-	8
7	M5 spring gasket	Stainless steel	-	8
8	M5 flat gasket	Stainless steel	-	8
9	M4 sink screw	Stainless steel L=12mm For connecting item 1 and item 2.	-	2

P/N: JJ-02

Picture	Mounting holes
	

Including the following parts

Item	Name	Specification	Drawing	Quantity pc/set
1	Main body of mounting bracket	Using 8-hole flange to connect with antenna Mounting hole diameter: Φ5.5mm Aluminum pole: Φ25mm, L=300mm Fixing board size: 160x80x3mm around Clamp distance: 47mm（the shortest） Clamp hole size: 9x6mm, round corner Screw of Fixing the Fixed board and Aluminum pole: 2pcs, M6, 53mm, Each screw has 2pcs spring gasket and flat gasket Aluminum alloy: with white painting	-	1
2	Clamp	Stainless steel: Φ5mm Space between the arms: 54mm Suitable for 32mm～52mm pole	-	2
3	Clamp flat gasket	Stainless steel	-	4
4	Clamp nut	Stainless steel	-	4

Test Instruments

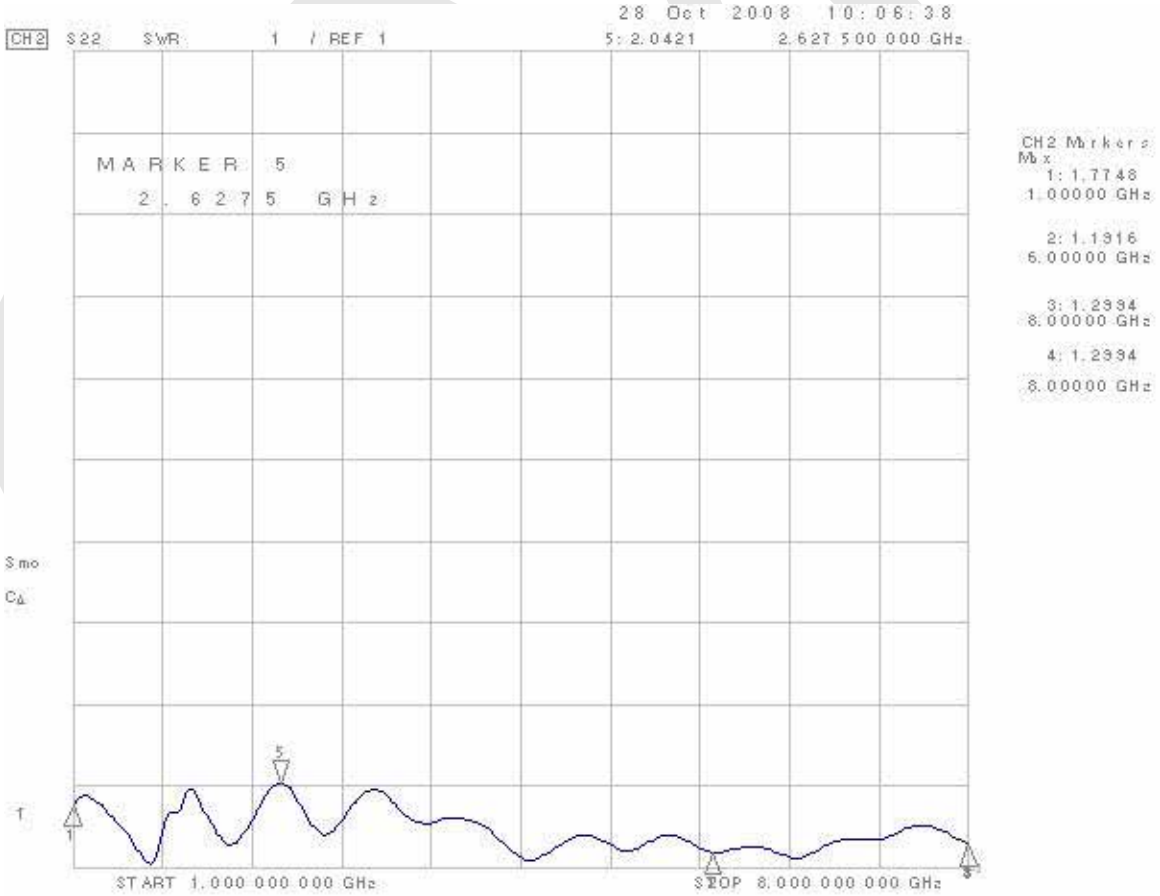
- Agilent 83630B
- AV4033
- HP8722D

Test Results

1. Gain

Frequency(GHz)	Gain(dBi)	E-Plane Beamwidth(º)	H-Plane Beamwidth(º)
1.0	6.6	89.5	72.4
2.0	10.2	49.5	59.3
3.0	10.0	43.5	67.3
4.0	10.7	37.2	60.5
5.0	11.5	55.2	41.7
6.0	11.9	40.6	34.5
7.0	10.9	50.2	36.5
8.0	13.4	49.8	39.2

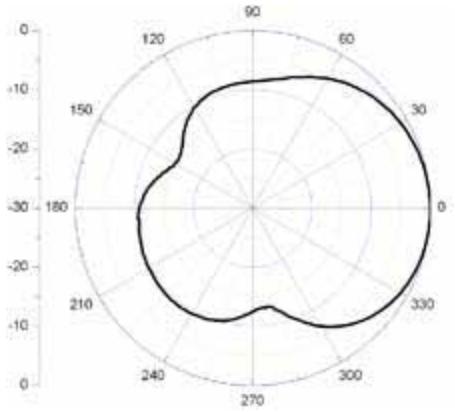
2. VSWR



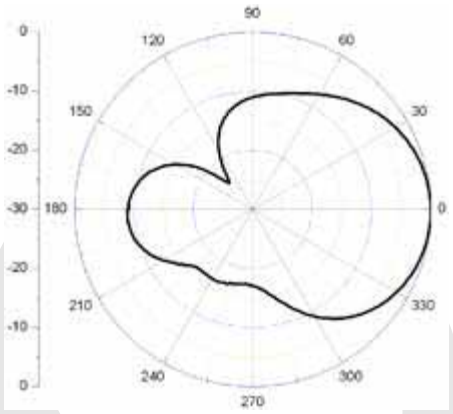
3. Pattern

Frequency: 1GHz

E Plane

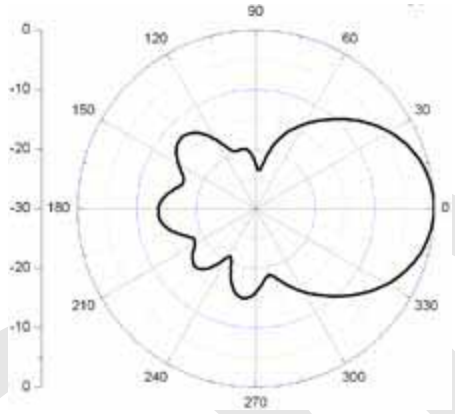


H Plane

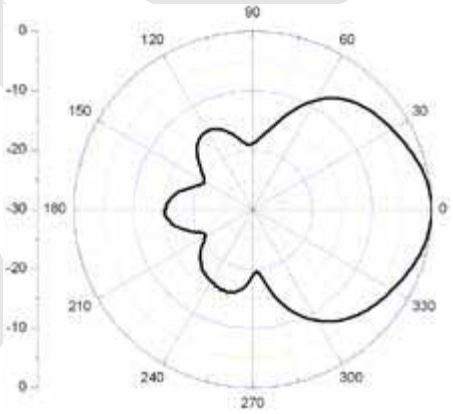


Frequency: 2GHz

E Plane

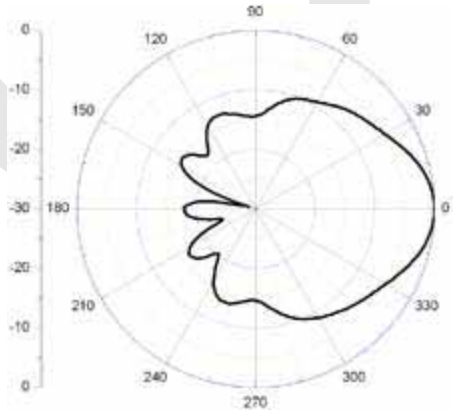


H Plane

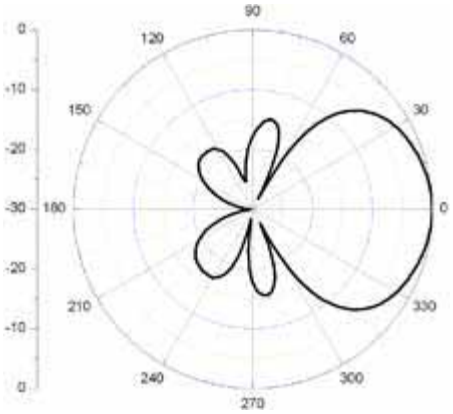


Frequency: 3GHz

E Plane

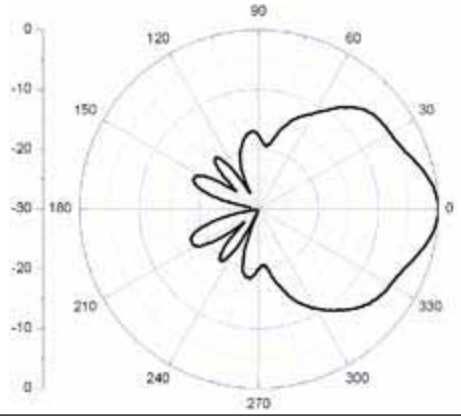


H Plane

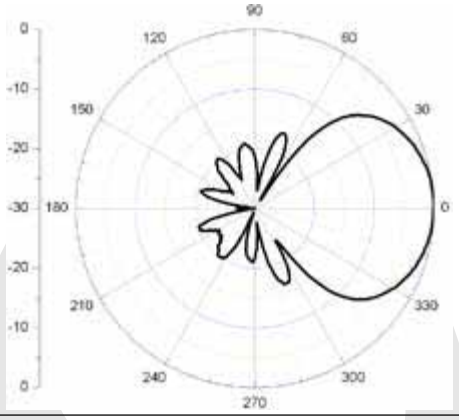


Frequency:4GHz

E Plane

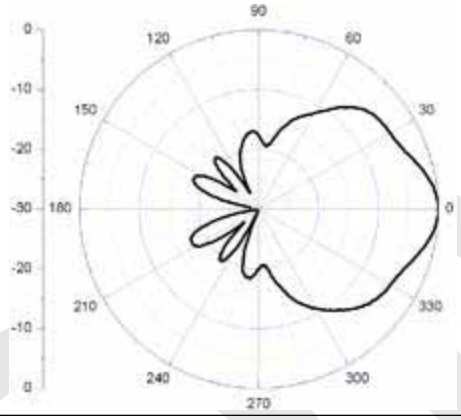


H Plane

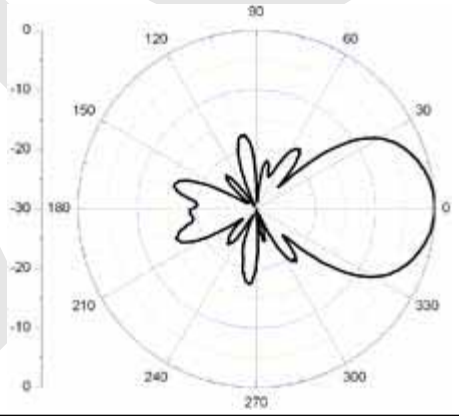


Frequency: 5GHz

E Plane

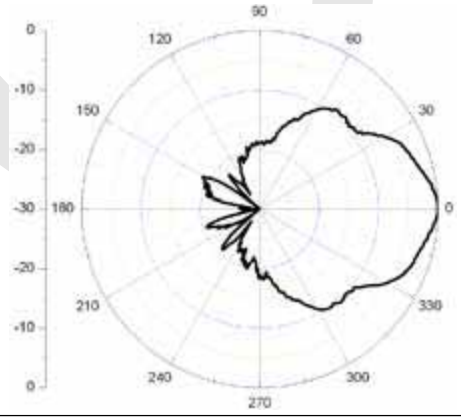


H Plane

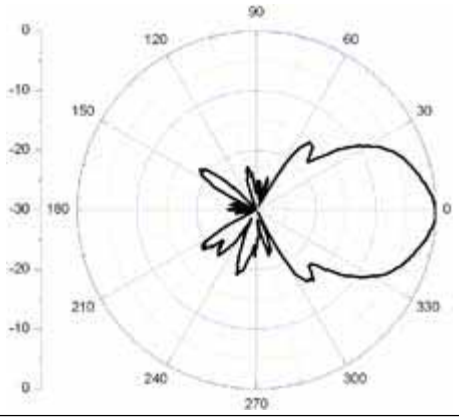


Frequency: 6GHz

E Plane

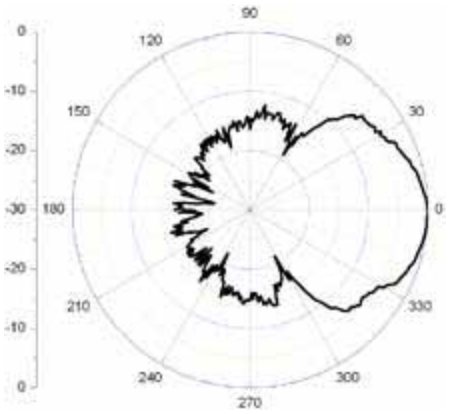


H Plane

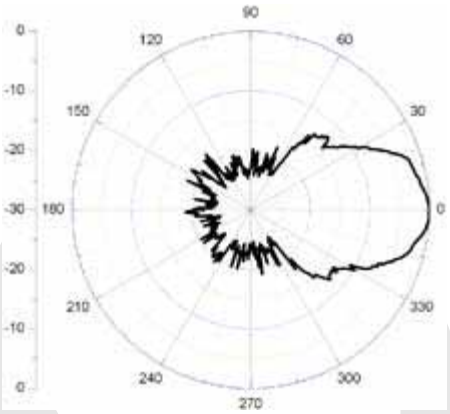


Frequency:7GHz

E Plane

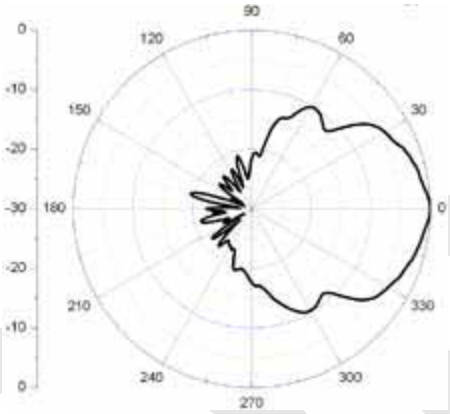


H Plane



Frequency: 8GHz

E Plane



H Plane