

Test report is for reference only.

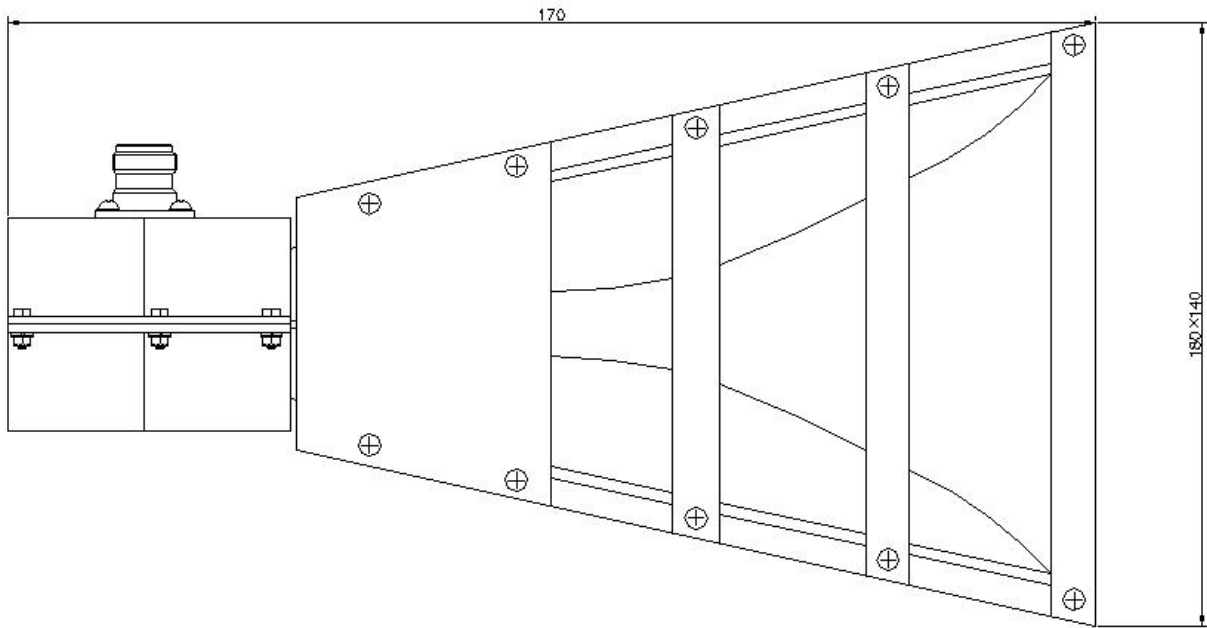
TEST REPORT
for
C & Q TXLB-20180



Technical Specification

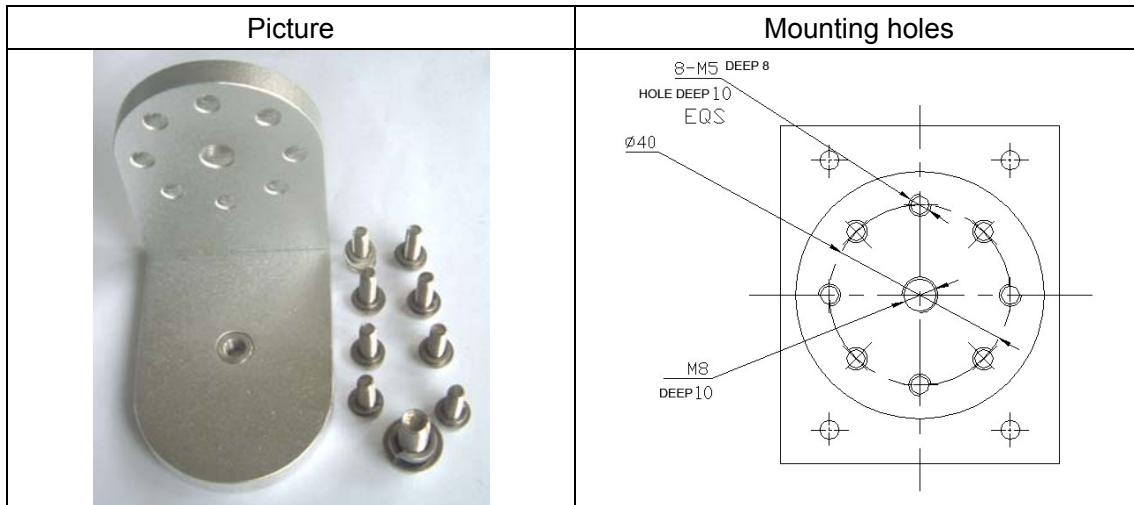
Frequency Range	Gain (Typ.)	Polarization	VSWR (Typ.)	3dB Beamwidth (Nominal)	Connector	Net Weight
2-18GHz	8.5dBi	Linear	2.0:1	52~24	N Type	1.05Kg Around

Outline Drawing (Size: mm)



Mounting Bracket

P/N: JJ-04



Including the following parts

Item	Name	Specification	Drawing	Quantity pc/set
1	9-hole back plate	Center hole size: $\Phi 8.5\text{mm}$ 8 small hole size: $\Phi 5.5\text{mm}$ Connecting hole for item 2: $\Phi 4.5\text{mm}$, 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

Test Instruments

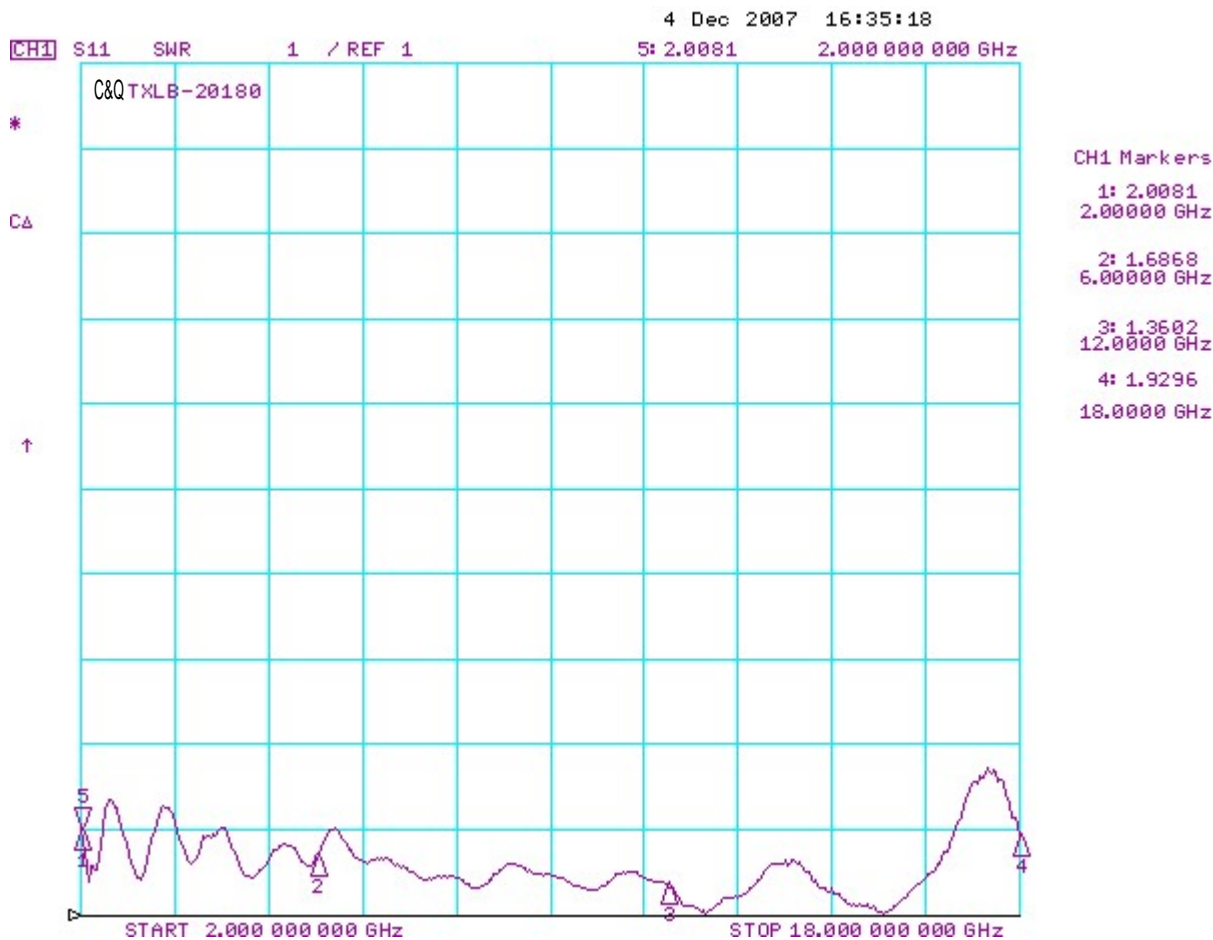
- Agilent 83630B
- AV4033
- HP8720D

Test Results

1. Gain

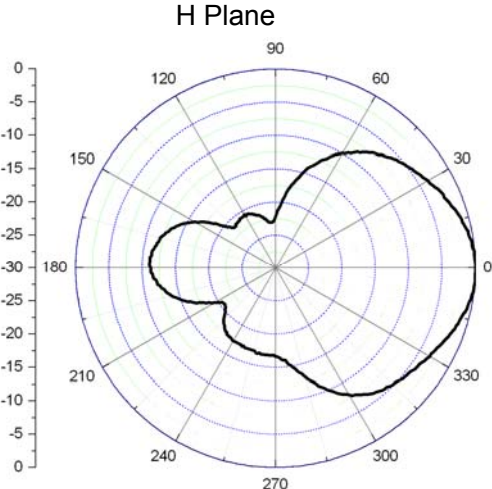
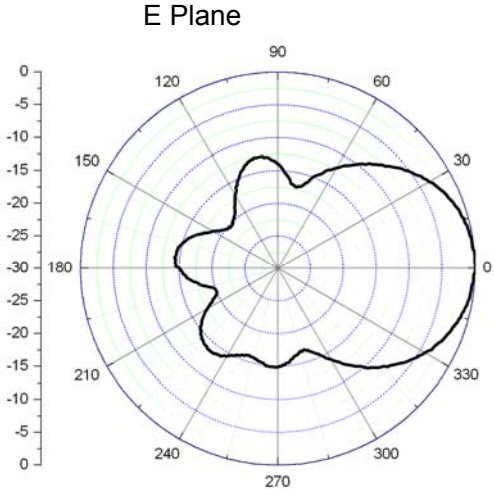
Frequency(GHz)	2	4	8	12	18
Gain(dB)	9.7	9.9	12.3	12.6	11.4

2. VSWR

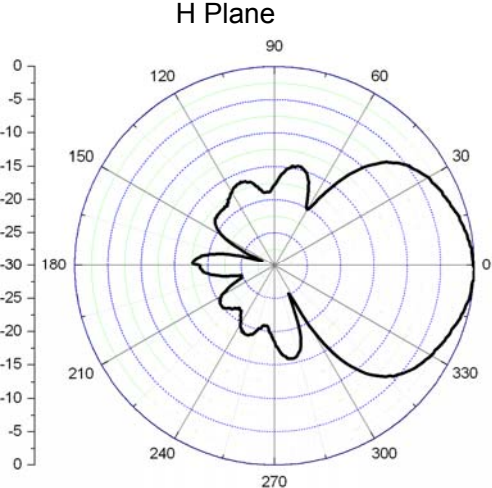
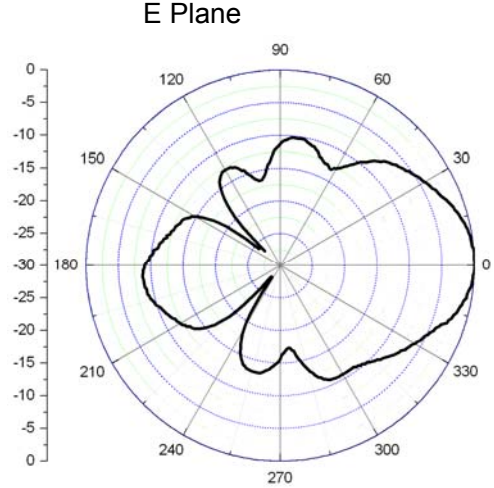


3. Pattern

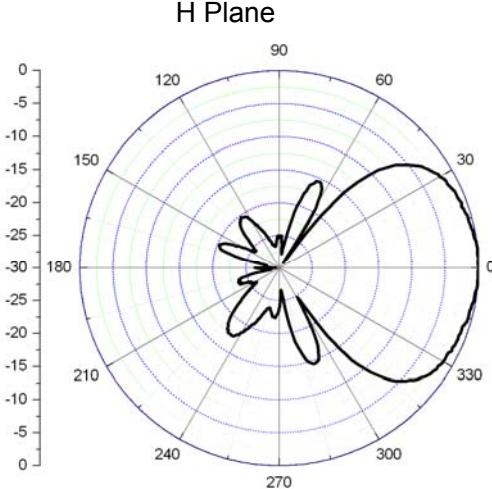
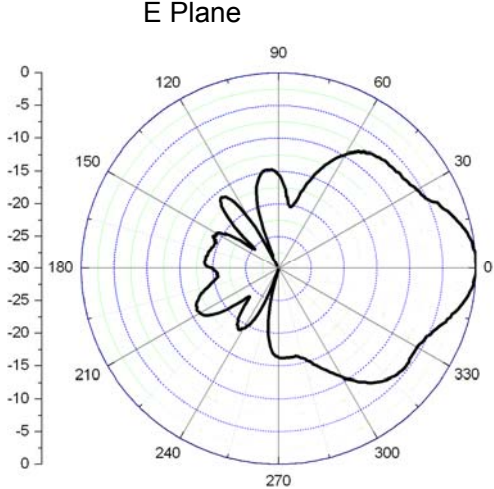
Frequency: 2GHz



Frequency: 4GHz

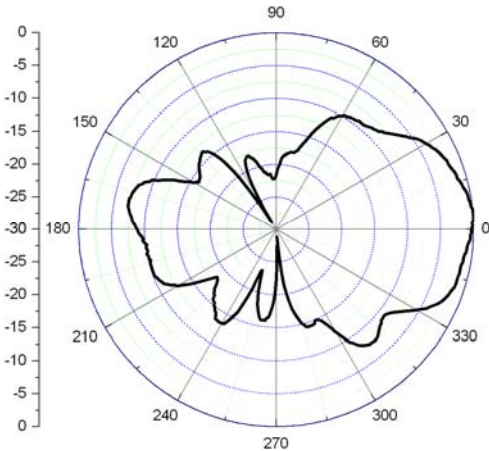


Frequency: 8GHz

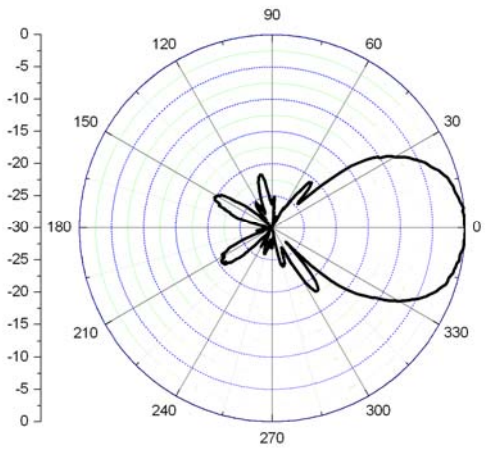


Frequency: 12GHz

E Plane

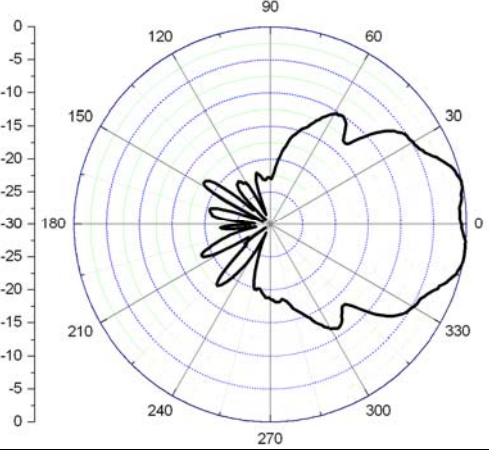


H Plane



Frequency: 18GHz

E Plane



H Plane

