

Manufacturer	Sichuan Boantong Communication Technology Co., Ltd.
Address	No. 5, 8th Building, 218 Wenhui Middle Road, Tangxun Sub-district, Economic Development Zone, Mianyang City, Sichuan Province
Model	B11
Antenna type	Internal antenna
Antenna Gain	1.85 dBi(Max.) for 2.4G Band and 4.37 dBi(Max.) for 5G Band.

1.Test equipment and conditions:

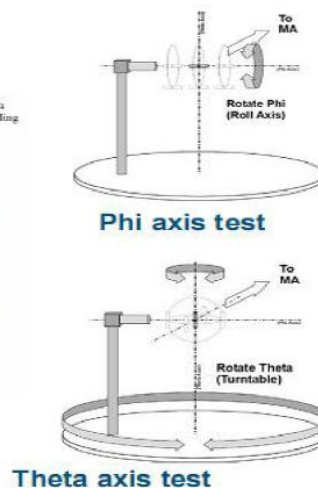
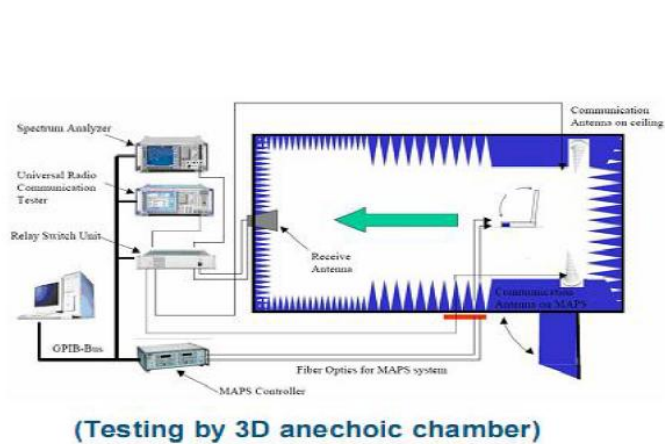
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

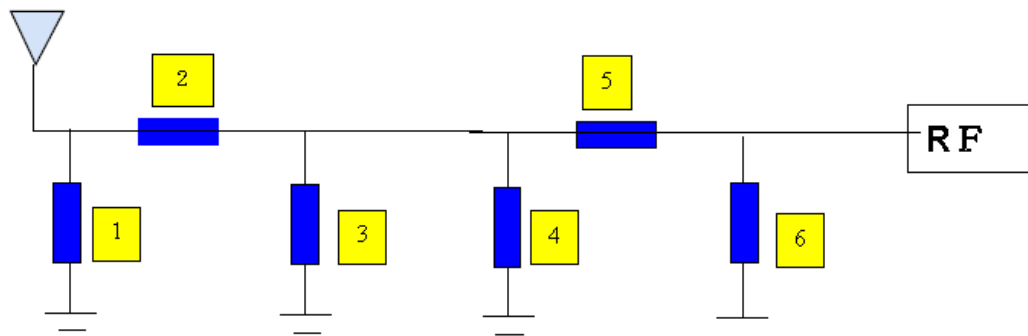
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

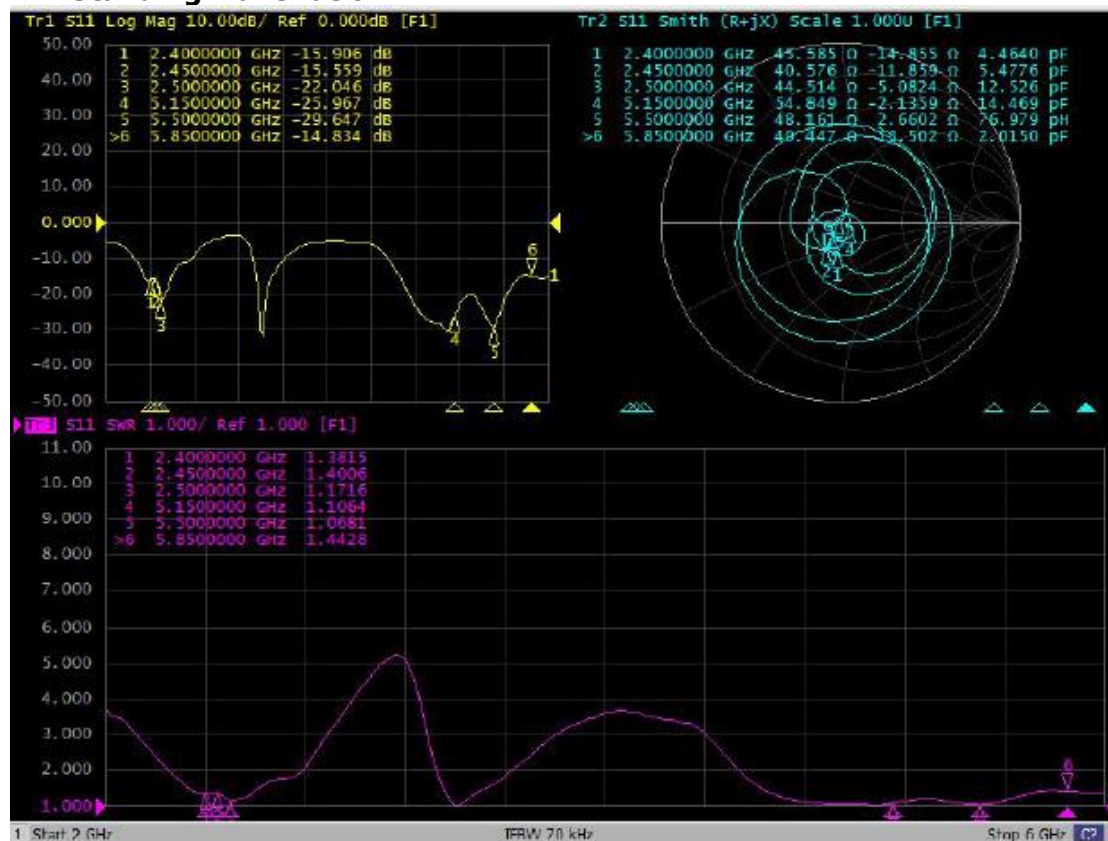


1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio

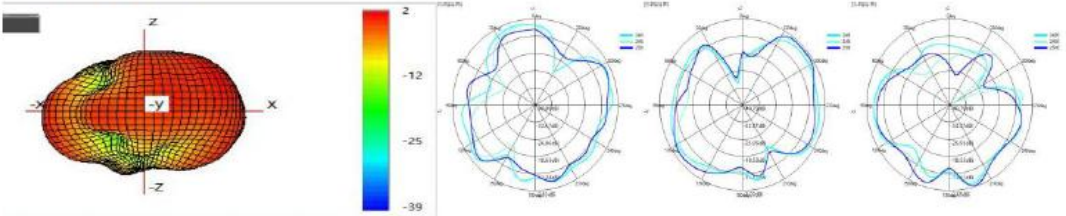


2.2.Efficiency

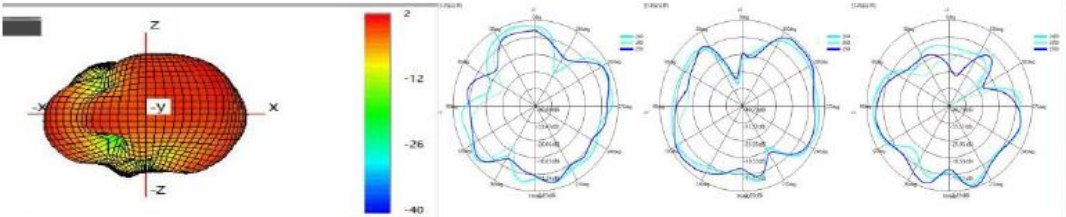
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.71	51.19
2410	1.74	50.27
2420	1.80	49.98
2430	1.80	50.09
2440	1.83	50.10
2450	1.82	49.87
2460	1.85	50.27
2470	1.78	50.15
2480	1.75	49.12
2490	1.71	48.29
2500	1.68	48.01
5150	2.75	56.51
5200	3.13	56.49
5250	3.91	56.55
5300	3.99	53.57
5350	4.07	54.94
5400	3.88	54.02
5450	3.46	52.25
5500	3.29	54.62
5550	3.11	54.63
5600	3.20	53.61
5650	2.84	52.26
5700	3.29	54.73
5750	3.36	51.72
5800	4.01	49.95
5850	4.37	52.62

2.3.Directivity diagram

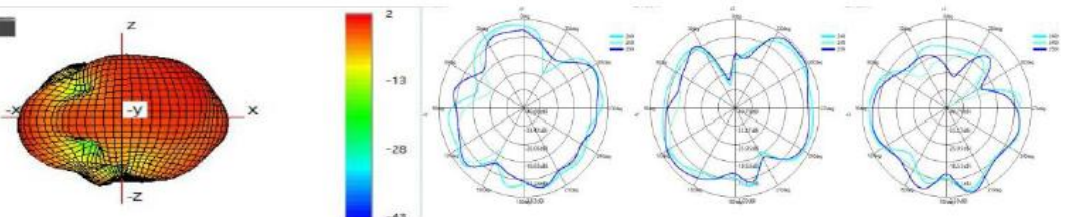
2400M 3D-E1-E2-H



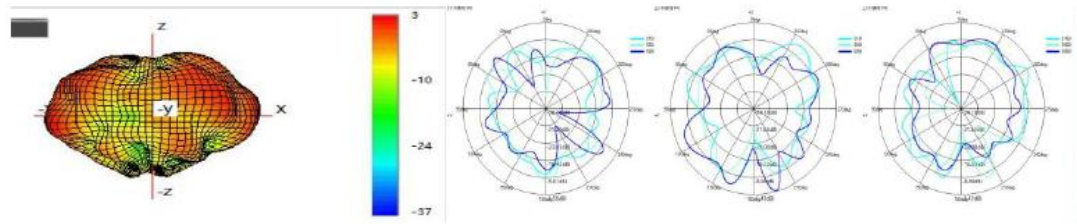
2450M 3D-E1-E2-H



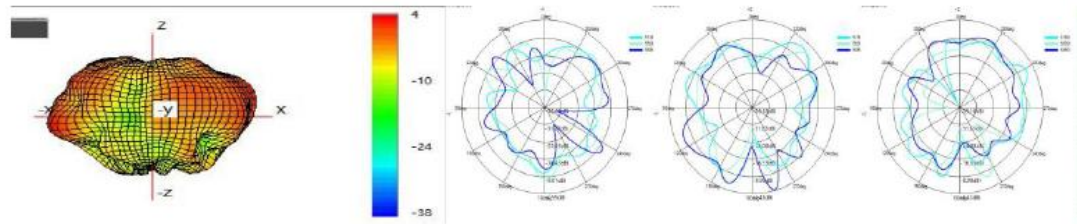
2500M 3D-E1-E2-H



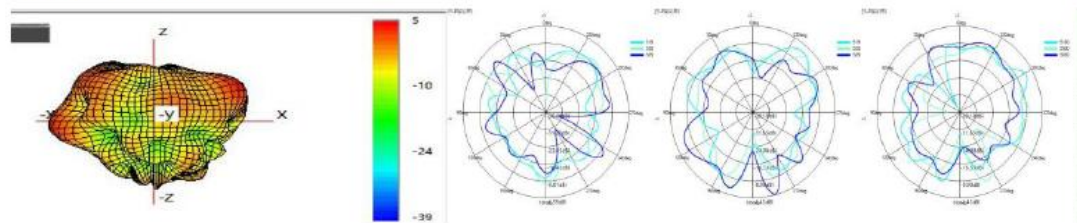
5150M 3D-E1-E2-H



5500M 3D-E1-E2-H



5850M 3D-E1-E2-H



3. Antenna drawing (mm) :

