

Manufacturer	Shanghai Jesoncom Communication Engineering Co., Ltd
Address	No.358 Liuyuan RD., Baoshan Urban Industrial District.,Shanghai,PR.China.
Model	13B005L
Antenna type	external antenna
Antenna Gain	2.00dBi for 2.4G, 2.00dBi for 5G

1.Test equipment and conditions:

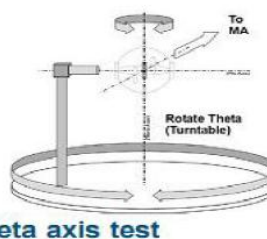
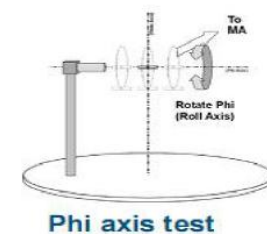
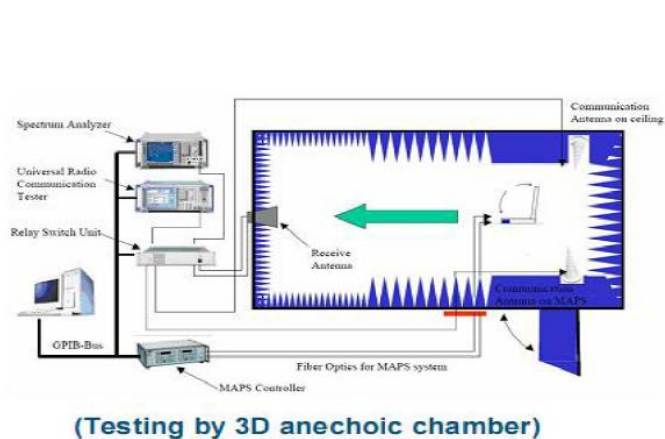
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

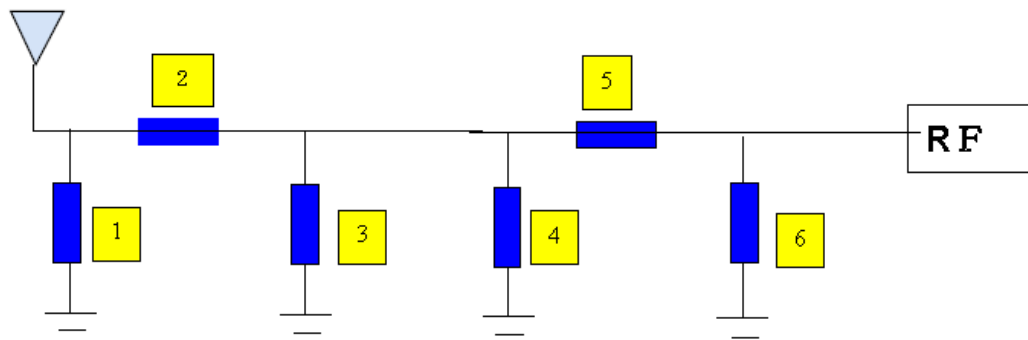
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

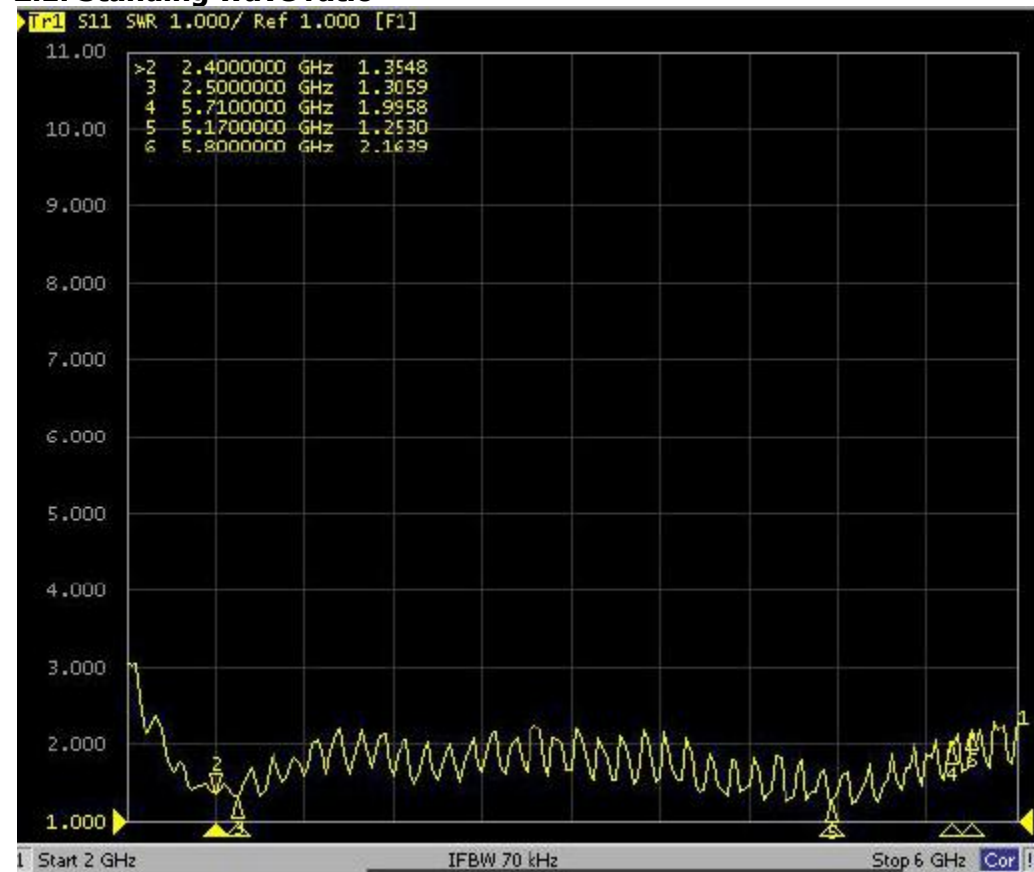


1.4. Matching circuit



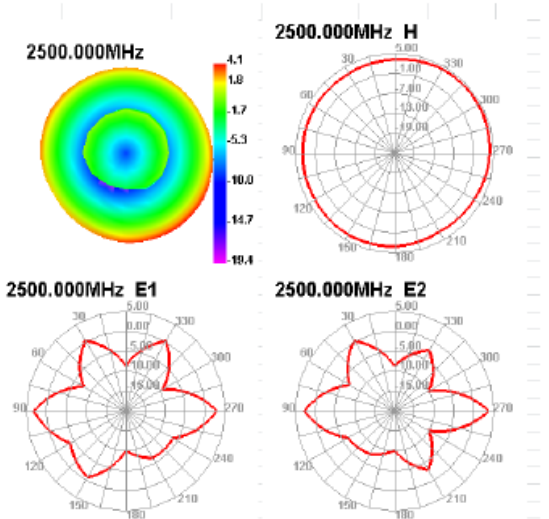
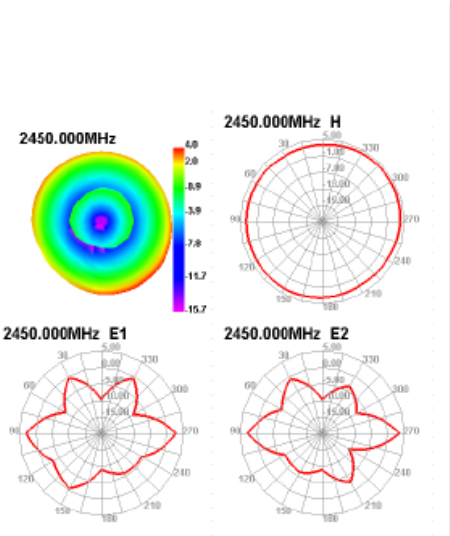
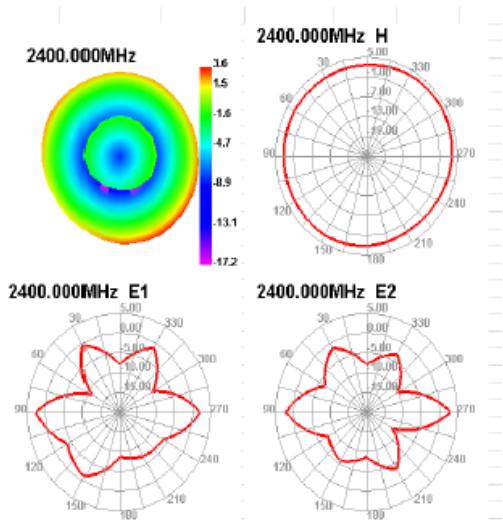
2. Test Data:

2.1. Standing wave ratio



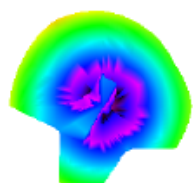
2.2.Efficiency

Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)
2400	41.07	-2.09	1.63
2410	41.62	-2.50	1.59
2420	41.98	-2.69	1.75
2430	41.81	-2.09	1.38
2440	41.54	-2.34	1.75
2450	41.83	-2.42	1.55
2460	41.15	-2.49	1.69
2470	41.26	-2.88	1.89
2480	41.78	-2.87	1.94
2490	41.05	-2.07	2.00
2500	41.07	-2.09	1.71

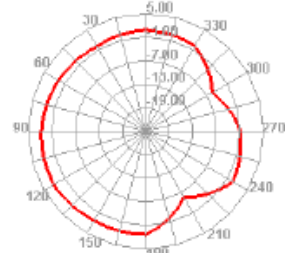


Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)
4900	60.30	-0.78	1.23
5000	60.53	-0.44	1.59
5100	60.61	-0.25	1.99
5200	60.27	-0.69	1.34
5300	60.49	-0.35	1.48
5400	60.96	-0.35	1.08
5500	60.30	-0.75	1.31
5600	60.73	-0.58	1.53
5700	60.76	0.16	1.78
5800	60.21	-0.63	1.36
5900	60.47	-0.28	1.41

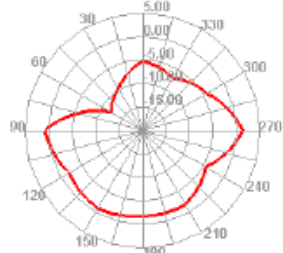
5150.000MHz



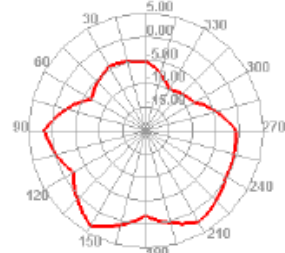
5150.000MHz H



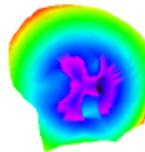
5150.000MHz E1



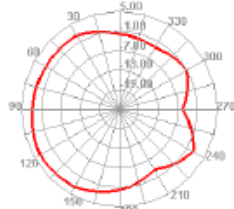
5150.000MHz E2



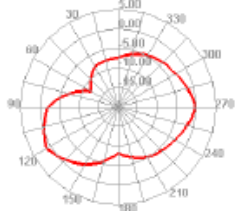
5500.000MHz



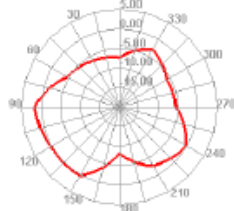
5500.000MHz H



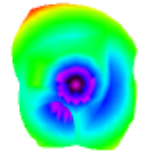
5500.000MHz E1



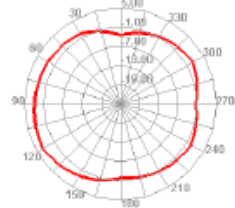
5500.000MHz E2



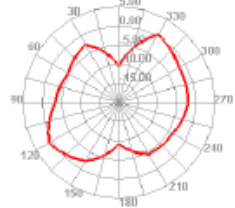
5850.000MHz



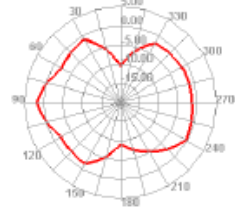
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



3. Antenna drawing (mm) :

2. 4G&5. 8G

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