

Manufacturer	MaiChong Technology
Address	No. 59, Muyu Road, Yuanfu Industrial Zone, Shatou Community, Chang'an Town, Dongguan City
Model	YJH01.080.001.302A
Antenna type	FPC antenna
Antenna Gain	2.00dBi for 2.4G; 2.00dBi for 5G

1.Test equipment and conditions:

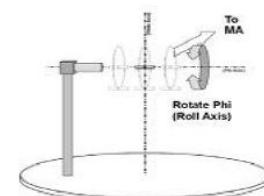
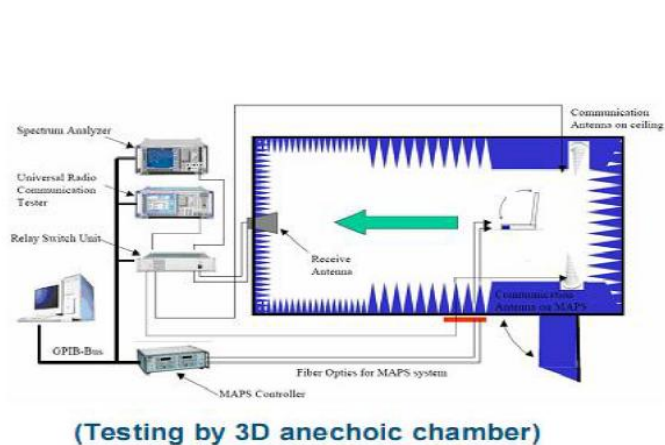
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

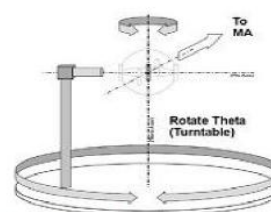
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

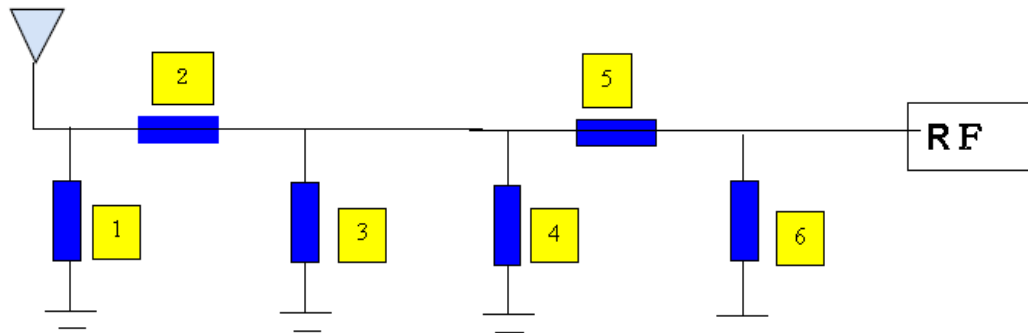


Phi axis test



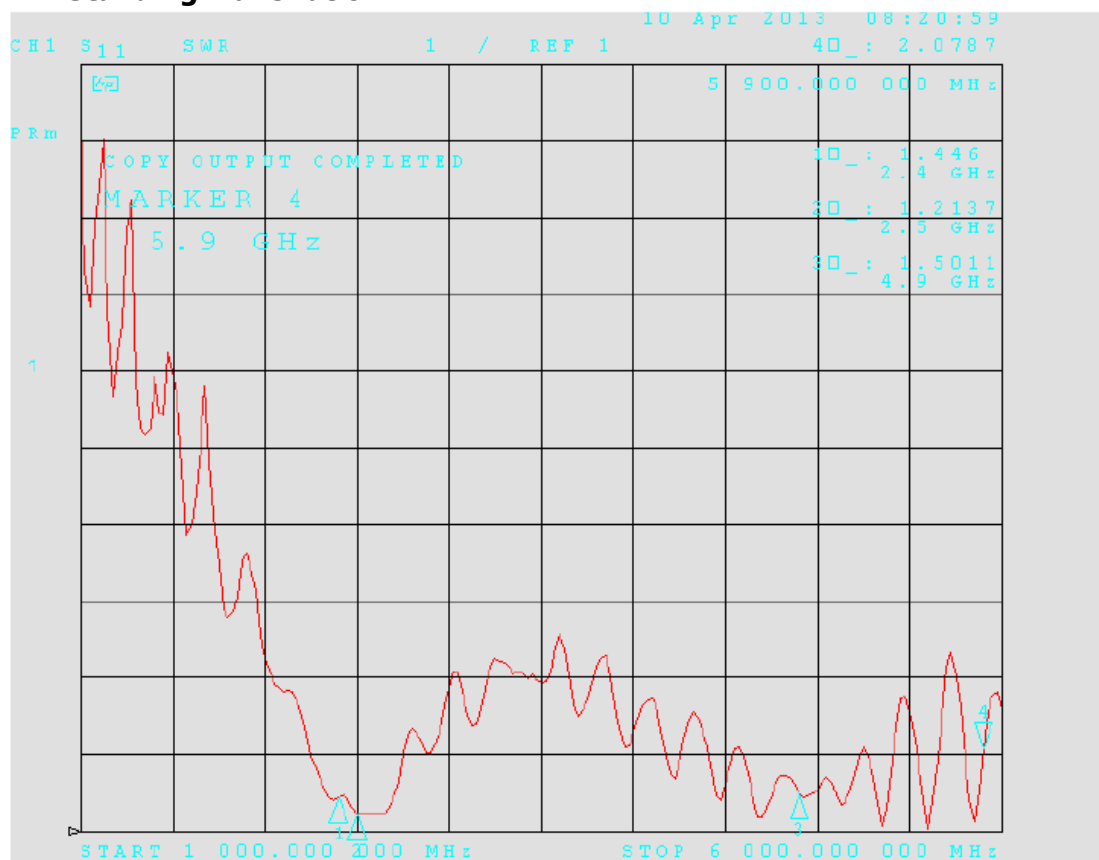
Theta axis test

1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio

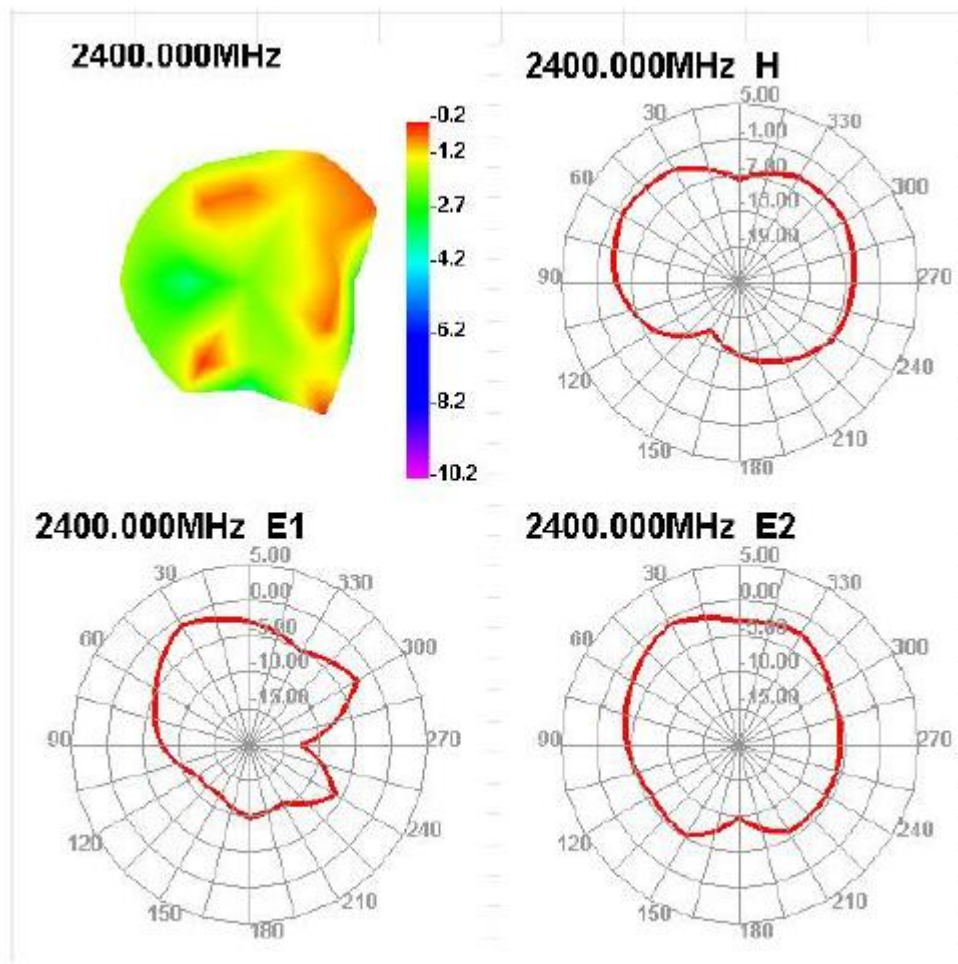


2.2.Efficiency

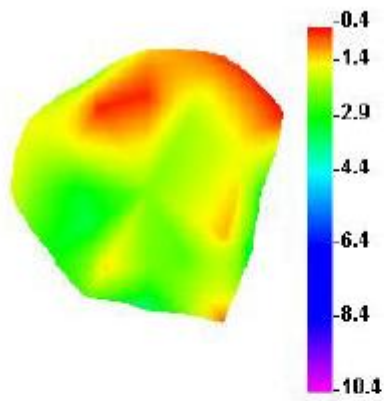
Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)	UHS (%)	DHS (%)
2400	44.38	-2.79	1.26	40.28	13.32
2410	44.63	-2.46	1.66	42.42	13.54
2420	44.94	-2.12	1.82	40.96	14.77
2430	44.27	-2.70	1.40	43.24	15.23
2440	44.75	-2.39	2.00	40.71	15.79
2450	44.82	-1.83	1.50	41.19	16.18
2460	44.28	-2.63	1.13	42.39	18.25
2470	44.49	-2.34	1.44	41.78	18.80
2480	45.08	-2.23	1.00	40.89	19.05
2490	44.21	-2.68	1.25	43.21	19.23
2500	44.46	-2.32	1.61	40.44	19.62

Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)	UHS (%)	DHS (%)
4900	60.30	-0.78	1.23	49.26	35.28
5000	60.53	-0.44	1.00	51.69	37.77
5100	60.61	-0.25	2.00	52.92	34.93
5200	60.27	-0.69	1.34	48.24	39.31
5300	60.49	-0.35	1.48	46.80	30.79
5400	60.96	-0.35	1.08	50.15	30.89
5500	60.30	-0.75	1.31	51.34	29.28
5600	60.73	-0.58	1.53	49.59	26.70
5700	60.76	0.16	1.78	53.11	26.16
5800	60.21	-0.63	1.46	45.22	34.40
5900	60.47	-0.28	1.41	49.45	35.48

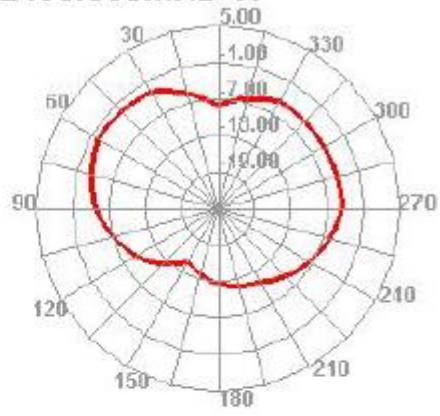
2.3.Directivity diagram



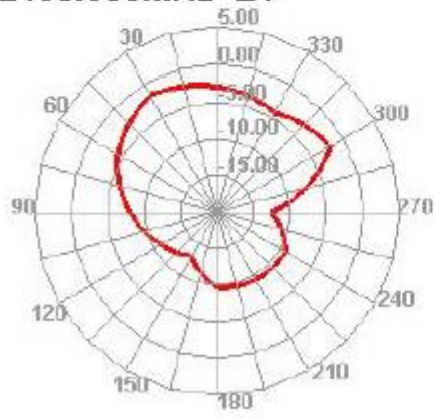
2450.000MHz



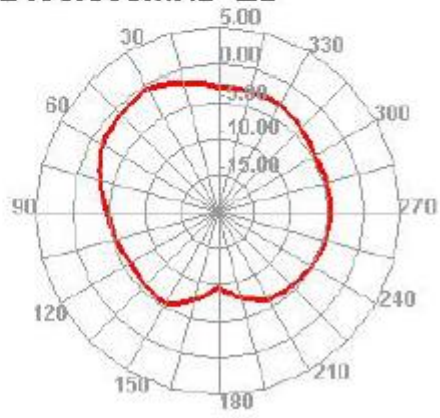
2450.000MHz H



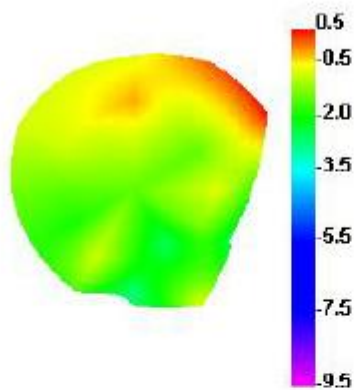
2450.000MHz E1



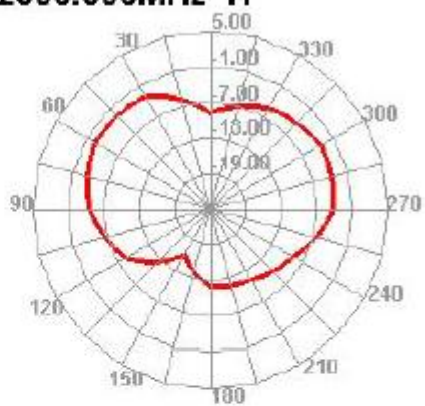
2450.000MHz E2



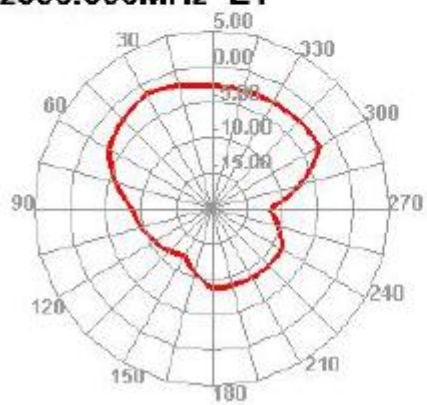
2500.000MHz



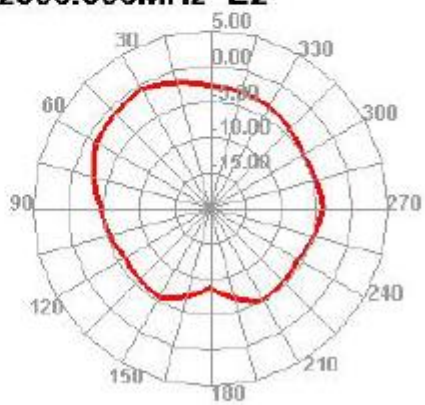
2500.000MHz H



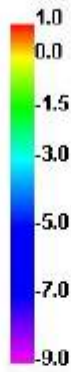
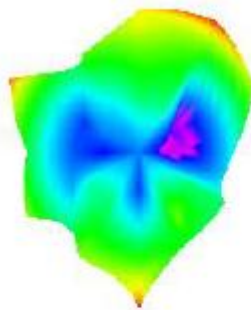
2500.000MHz E1



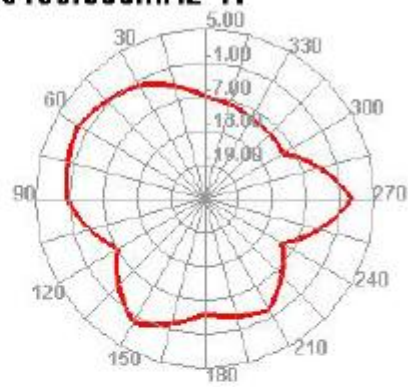
2500.000MHz E2



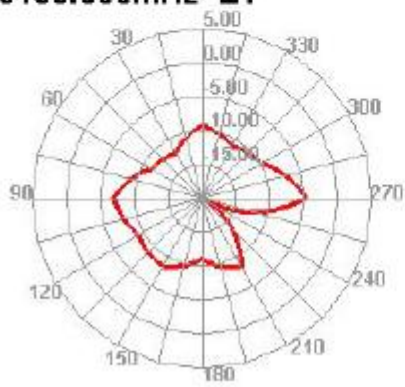
5150.000MHz



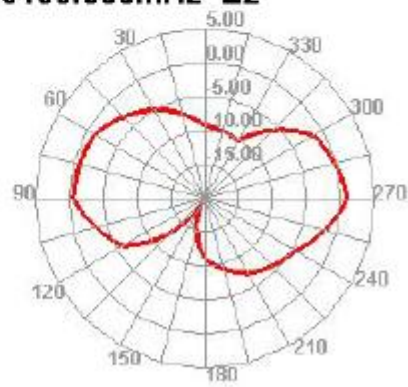
5150.000MHz H



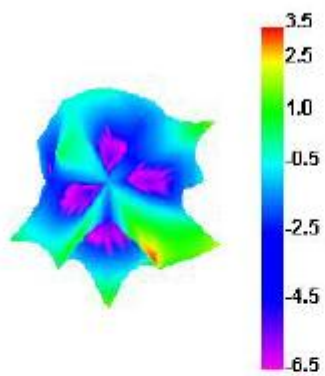
5150.000MHz E1



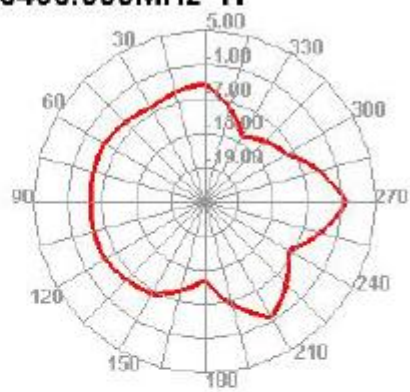
5150.000MHz E2



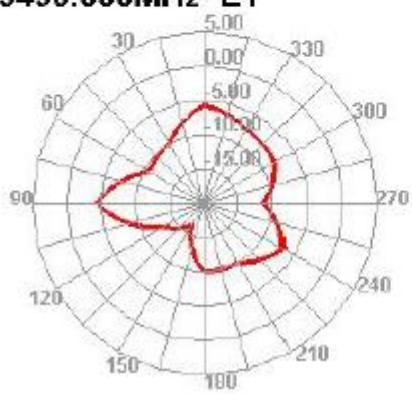
5490.000MHz



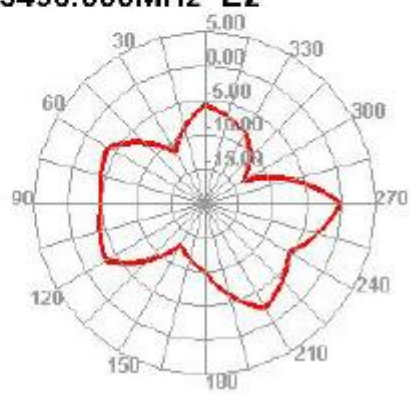
5490.000MHz H



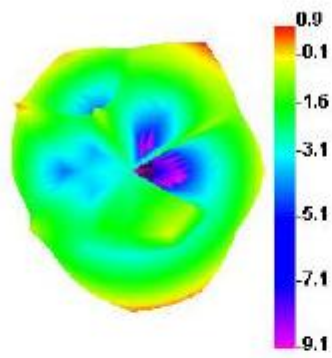
5490.000MHz E1



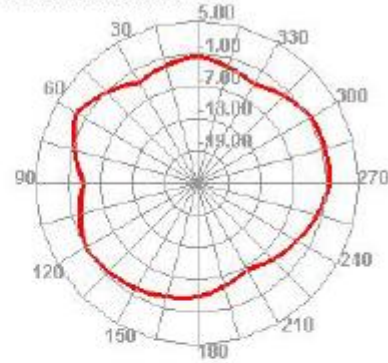
5490.000MHz E2



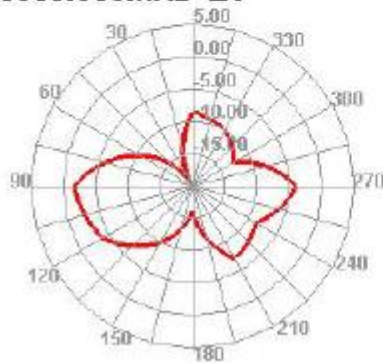
5850.000MHz



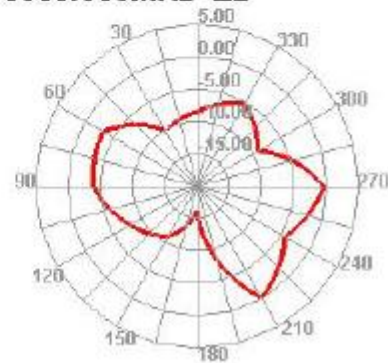
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



3.Antenna drawing:

