

Manufacturer	Beijing Guoyao Culture Ltd.
Address	407, Block A, Xinhua Science and Technology Building, Jiuxianqiao, Chaoyang District, Beijing, China
Antenna type	Internal antenna
Model	SR7
Antenna Gain	1.00dBi for 2.4G

1.Test equipment and conditions:

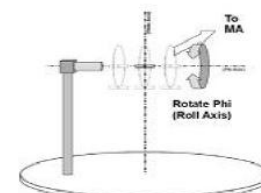
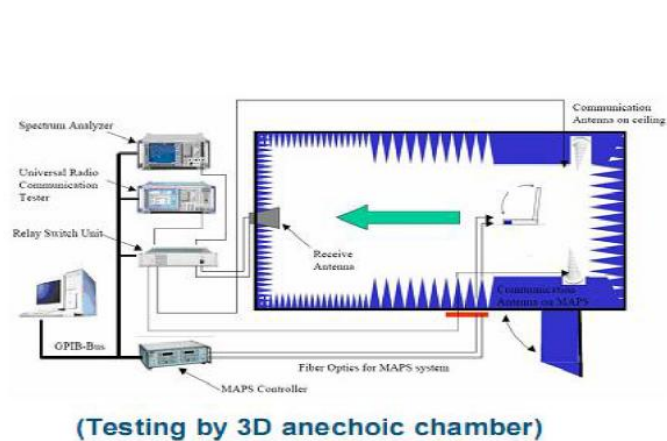
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

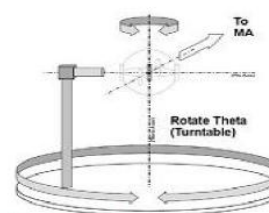
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

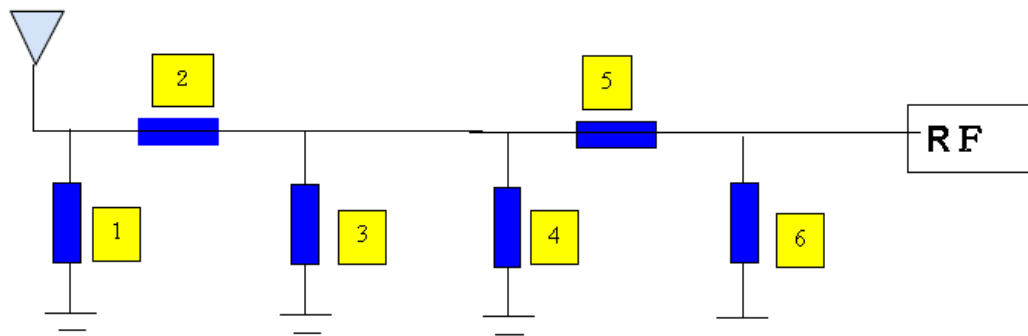


Phi axis test



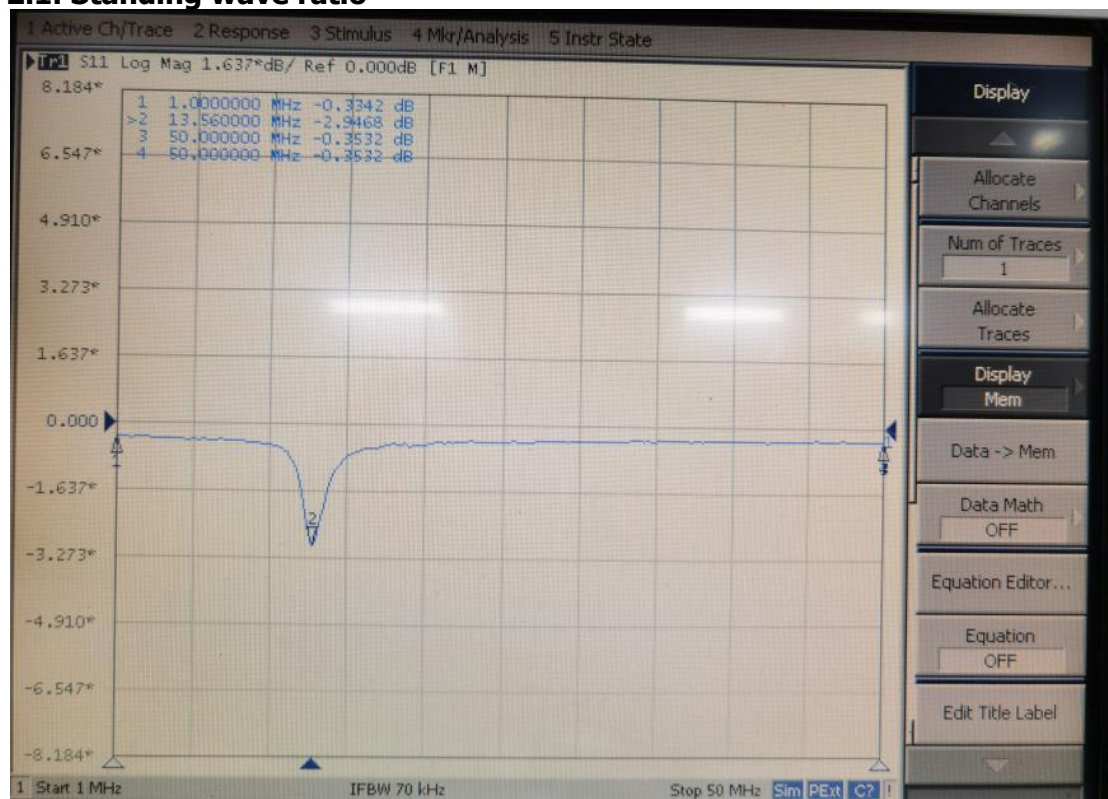
Theta axis test

1.4. Matching circuit



2. Test Data:

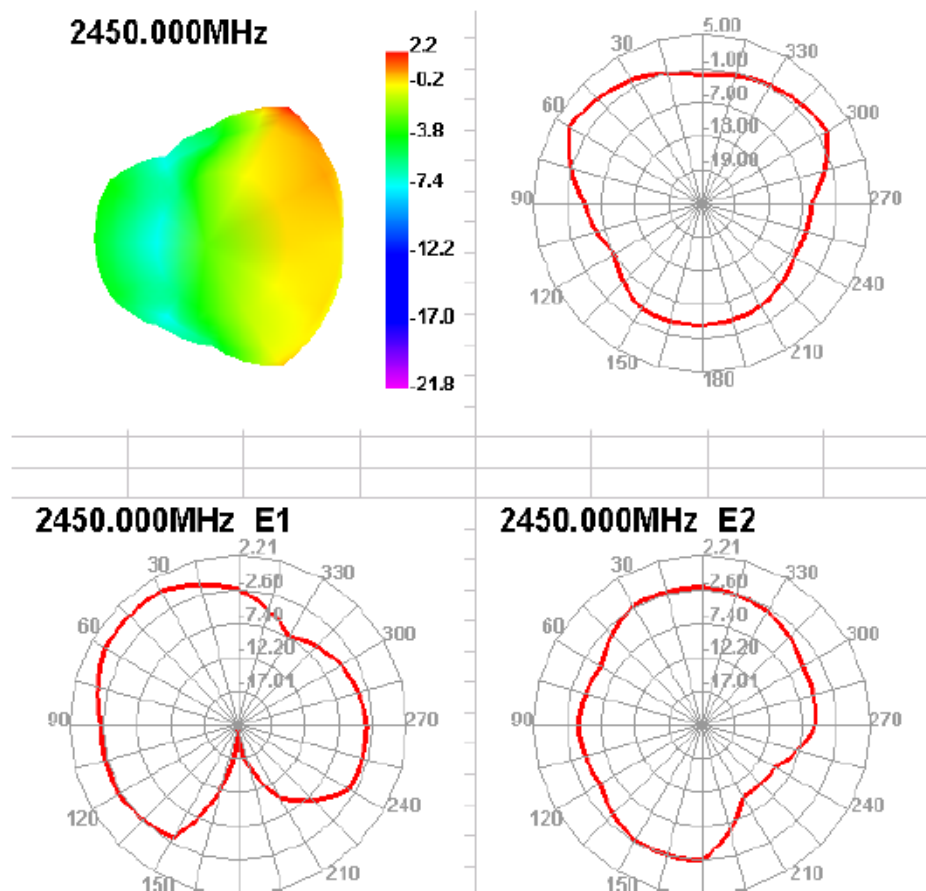
2.1. Standing wave ratio



2.2.Efficiency

2.4G										
Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut (Hor)	Attenut (Ver)
2400	44.38	-2.79	0.26	-1.88	40.28	13.32	2.29	-23.79	48.26	49.33
2410	44.63	-2.46	0.66	-1.48	42.42	13.54	2.46	-21.29	48.66	49.58
2420	44.94	-2.12	0.82	-1.32	40.96	14.77	2.68	-20.97	48.71	49.88
2430	44.27	-2.70	0.40	-1.74	43.24	15.23	2.29	-22.77	48.21	49.35
2440	44.75	-2.39	1.00	-1.14	40.71	15.79	2.53	-25.39	48.58	49.56
2450	44.82	-1.83	0.50	-1.64	41.19	16.18	3.15	-21.98	49.11	49.99
2460	44.28	-2.63	0.13	-2.01	42.39	18.25	2.31	-25.62	48.37	49.22
2470	44.49	-2.34	0.44	-1.70	41.78	18.80	2.50	-24.31	48.50	49.54
2480	45.08	-2.23	0.00	-2.14	40.89	19.05	3.14	-23.23	48.98	49.99
2490	44.21	-2.68	0.25	-1.89	43.21	19.23	2.35	-21.77	48.24	49.20
2500	44.46	-2.32	0.61	-1.53	40.44	19.62	2.48	-20.30	48.48	49.61

2.3.Directivity diagram



3. Antenna drawing:

