

Manufacturer	ELEC
Address	No. 410, Building D2, Luogang Agile Plaza, Shui West Road, Science City, Huangpu District, Guangzhou
Model	OA-W01
Antenna type	Internal antenna
Antenna Gain	1.32dBi for 2.4G

1. Test equipment and conditions:

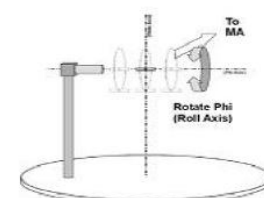
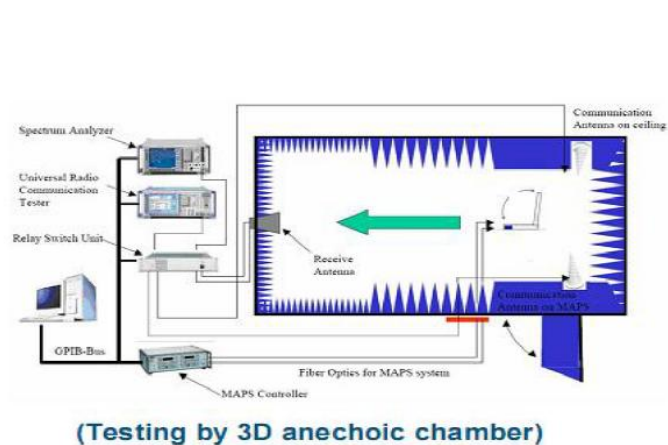
1.1. Network Analyzer

Agilent 8753D Agilent 5071B

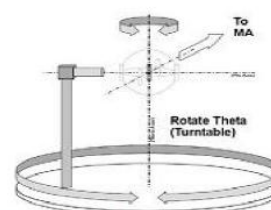
1.2. Communication test equipment

Agilent E5515C R&S CMW500

1.3. Test system

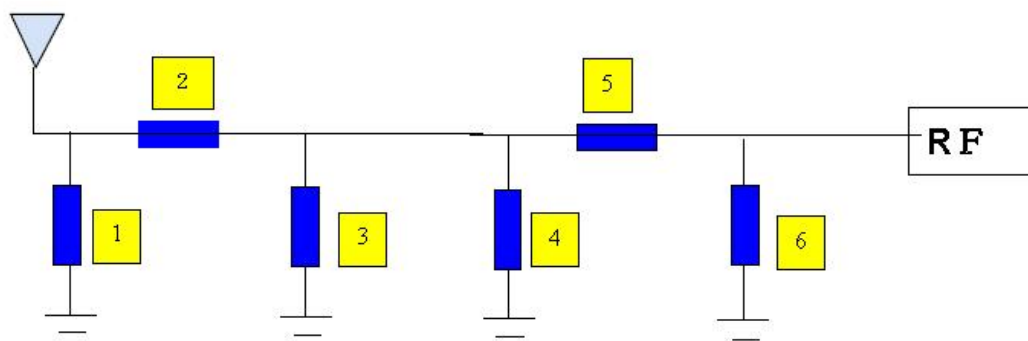


Phi axis test



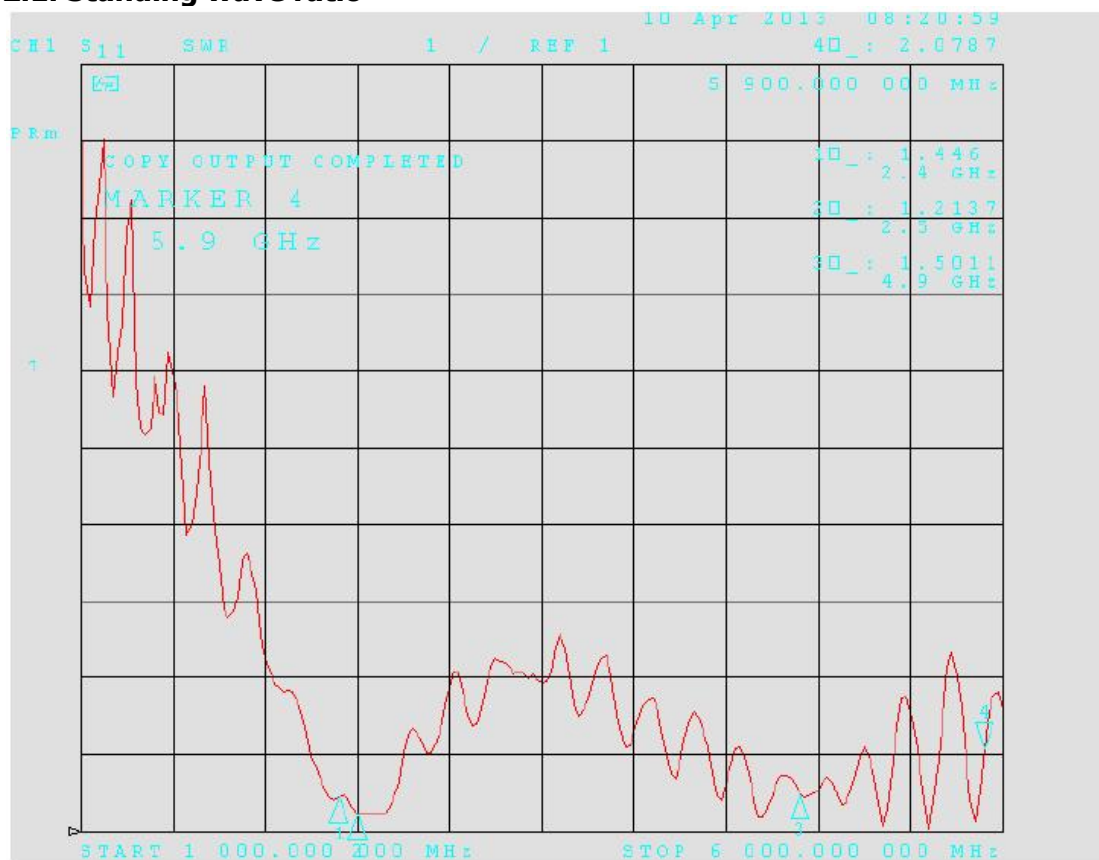
Theta axis test

1.4. Matching circuit



2. Test Data:

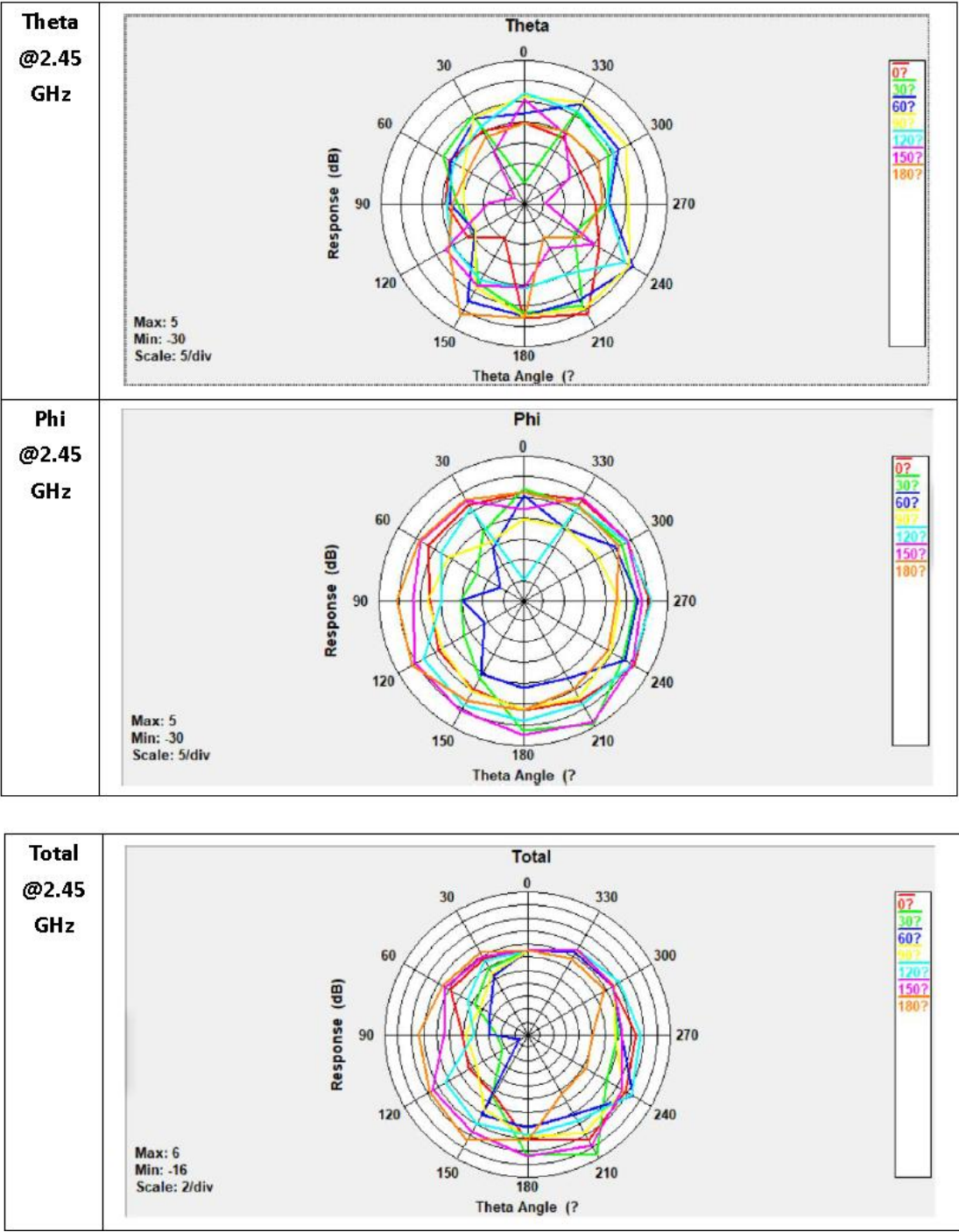
2.1. Standing wave ratio



2.2.Efficiency

2.4G										
Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut (Hor)	Attenut (Ver)
2400	44.38	-2.79	0.75	1.18	40.28	13.32	1.02	0.95	48.26	49.33
2410	44.63	-2.46	0.66	1.16	42.42	13.54	1.08	0.84	48.66	49.58
2420	44.94	-2.12	1.00	1.25	40.96	14.77	1.13	0.67	48.71	49.88
2430	44.27	-2.70	1.20	1.09	43.24	15.23	1.09	0.72	48.21	49.35
2440	44.75	-2.39	1.32	1.21	40.71	15.79	1.06	0.86	48.58	49.56
2450	44.82	-1.83	1.18	0.73	41.19	16.18	1.04	0.99	49.11	49.99
2460	44.28	-2.63	0.78	1.19	42.39	18.25	1.13	0.77	48.37	49.22
2470	44.49	-2.34	0.84	1.21	41.78	18.80	1.05	0.68	48.50	49.54
2480	45.08	-2.23	0.95	1.24	40.89	19.05	1.06	0.74	48.98	49.99
2490	44.21	-2.68	0.85	1.21	43.21	19.23	1.14	0.93	48.24	49.20
2500	44.46	-2.32	0.71	1.17	40.44	19.62	1.05	0.82	48.48	49.61

2.3.Directivity diagram



3. Antenna drawing:

