

Manufacturer	ELEC
Address	No. 410, Building D2, Luogang Agile Plaza, Shui West Road, Science City, Huangpu District, Guangzhou
Model	OA-W01
Antenna type	Pcb antenna
Antenna Gain	-2dBi for 2.4G

1. Test equipment and conditions:

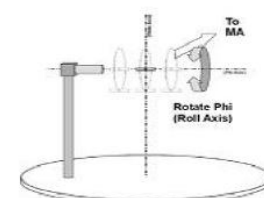
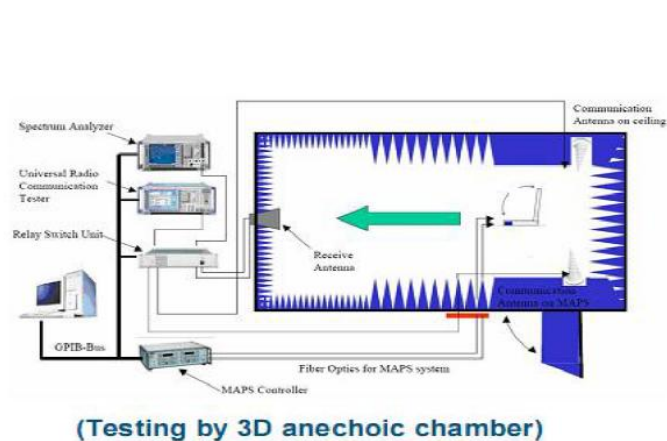
1.1. Network Analyzer

Agilent 8753D Agilent 5071B

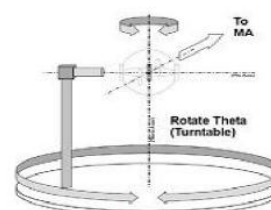
1.2. Communication test equipment

Agilent E5515C R&S CMW500

1.3. Test system

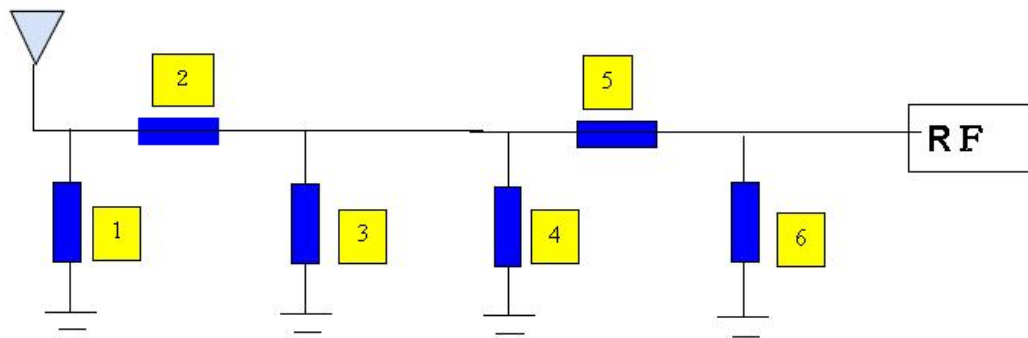


Phi axis test



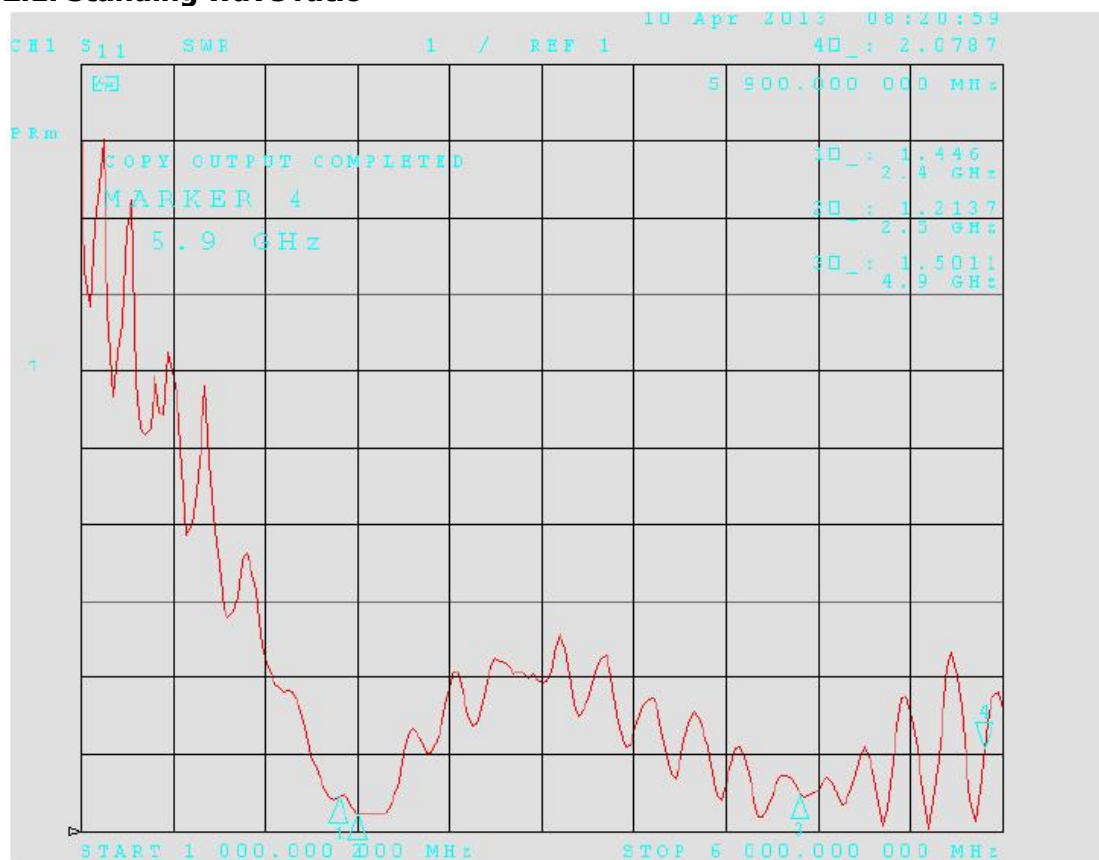
Theta axis test

1.4. Matching circuit



2. Test Data:

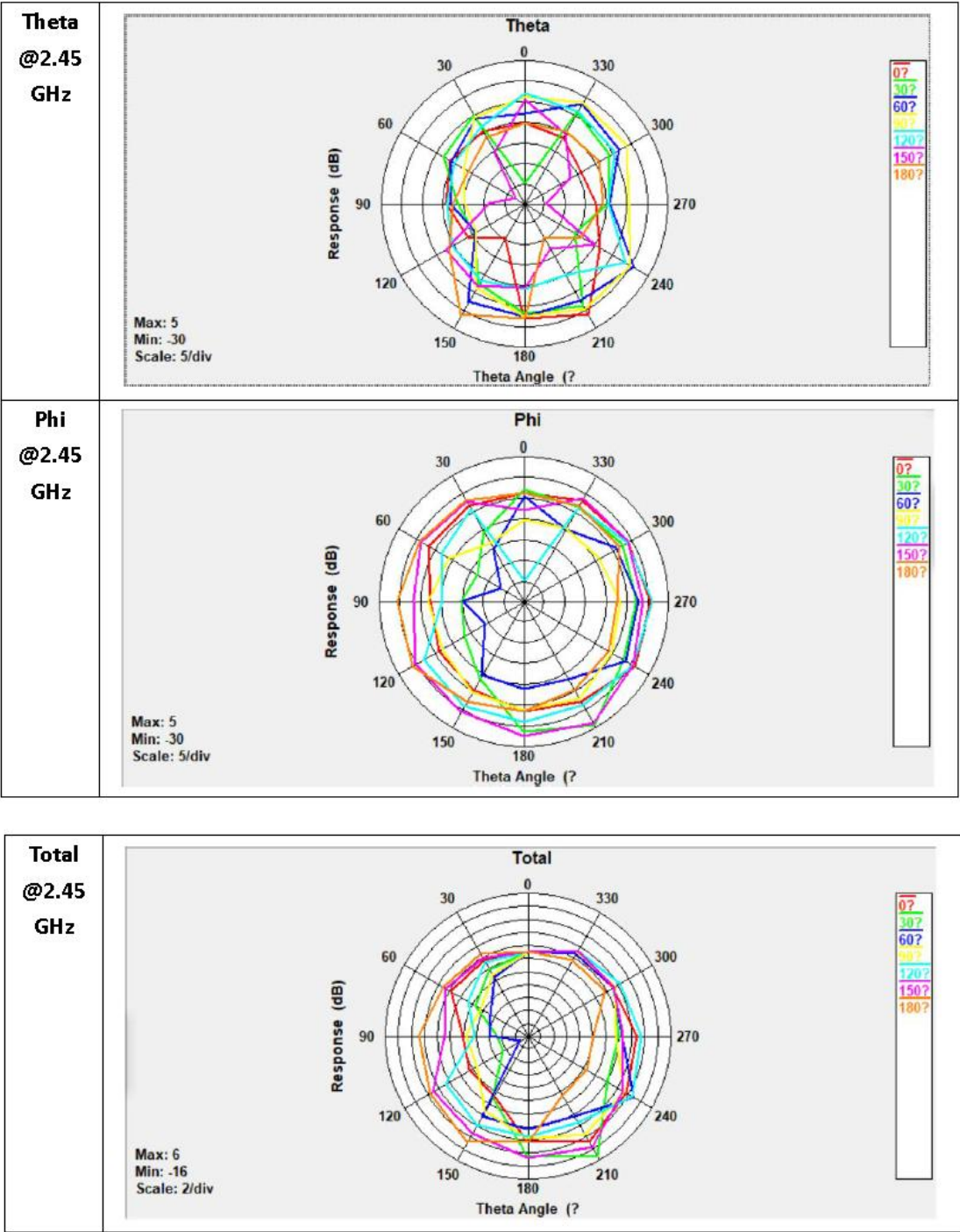
2.1. Standing wave ratio



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	-2.26	0.59	40.28	13.32	-2.26	-23.79	48.26	49.33
2410	44.63	-2.46	-2.66	0.54	42.42	13.54	-2.66	-21.29	48.66	49.58
2420	44.94	-2.12	-2.00	0.63	40.96	14.77	-2.00	-20.97	48.71	49.88
2430	44.27	-2.70	-2.40	0.58	43.24	15.23	-2.40	-22.77	48.21	49.35
2440	44.75	-2.39	-2.30	0.59	40.71	15.79	-2.30	-25.39	48.58	49.56
2450	44.82	-1.83	-2.50	0.56	41.19	16.18	-2.50	-21.98	49.11	49.99
2460	44.28	-2.63	-2.11	0.61	42.39	18.25	-2.11	-25.62	48.37	49.22
2470	44.49	-2.34	-2.44	0.57	41.78	18.80	-2.44	-24.31	48.50	49.54
2480	45.08	-2.23	-2.35	0.58	40.89	19.05	-2.35	-23.23	48.98	49.99
2490	44.21	-2.68	-2.25	0.60	43.21	19.23	-2.25	-21.77	48.24	49.20
2500	44.46	-2.32	-2.61	0.55	40.44	19.62	-2.61	-20.30	48.48	49.61

2.3.Directivity diagram



3. Antenna drawing:

