

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	1.1dBi for 2.4G

1.Test equipment and conditions:

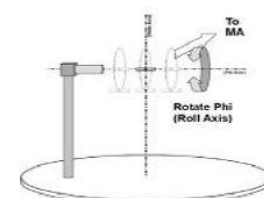
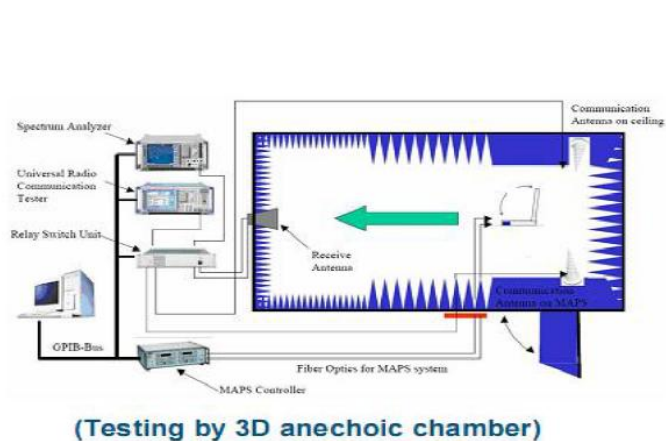
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

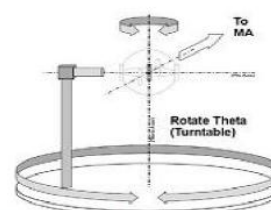
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

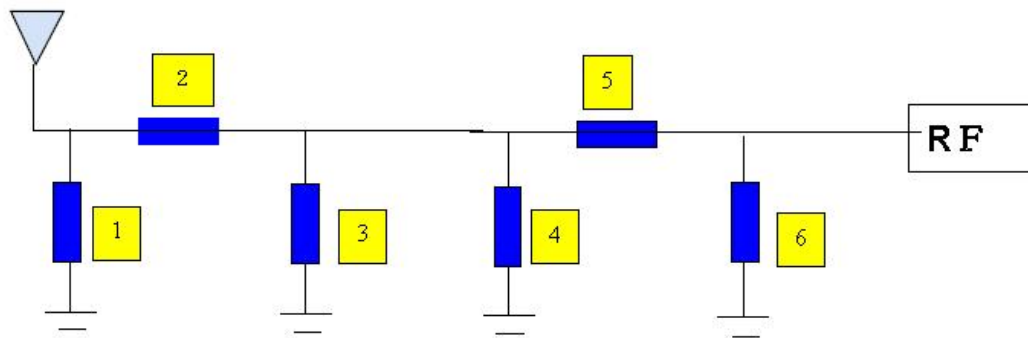


Phi axis test



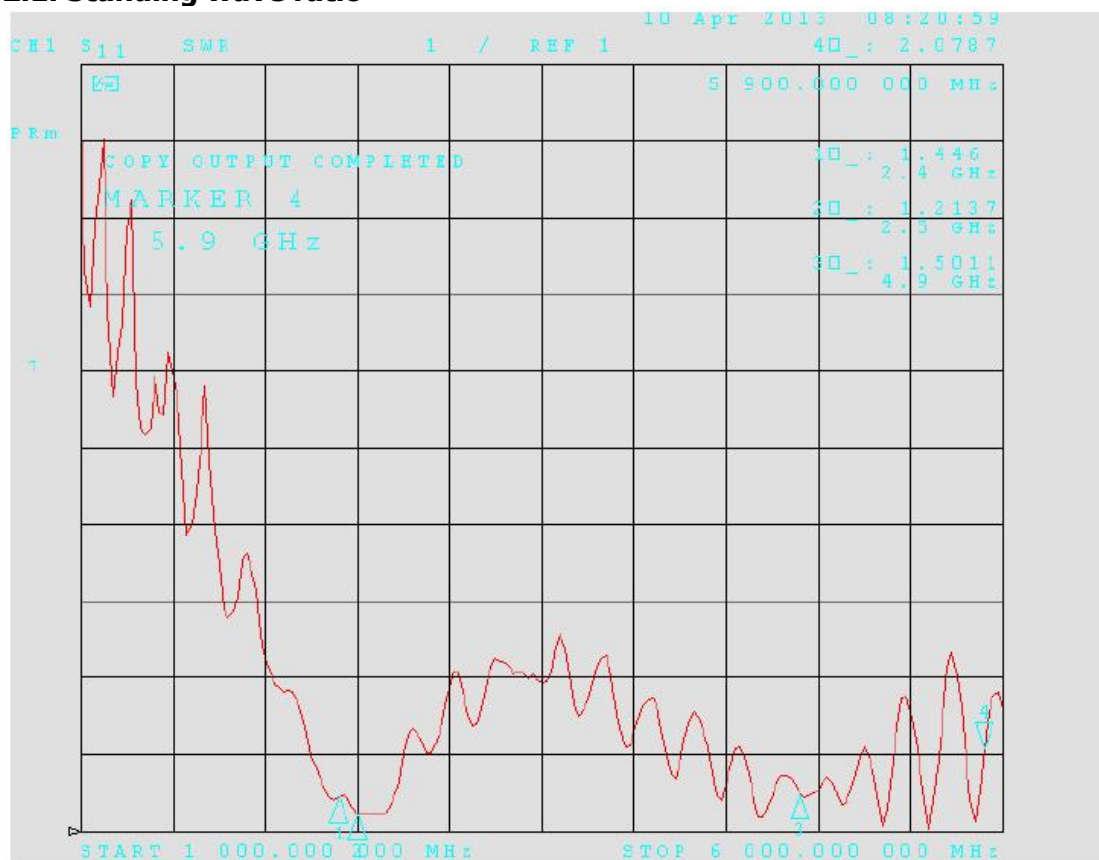
Theta axis test

1.4. Matching circuit



2. Test Data:

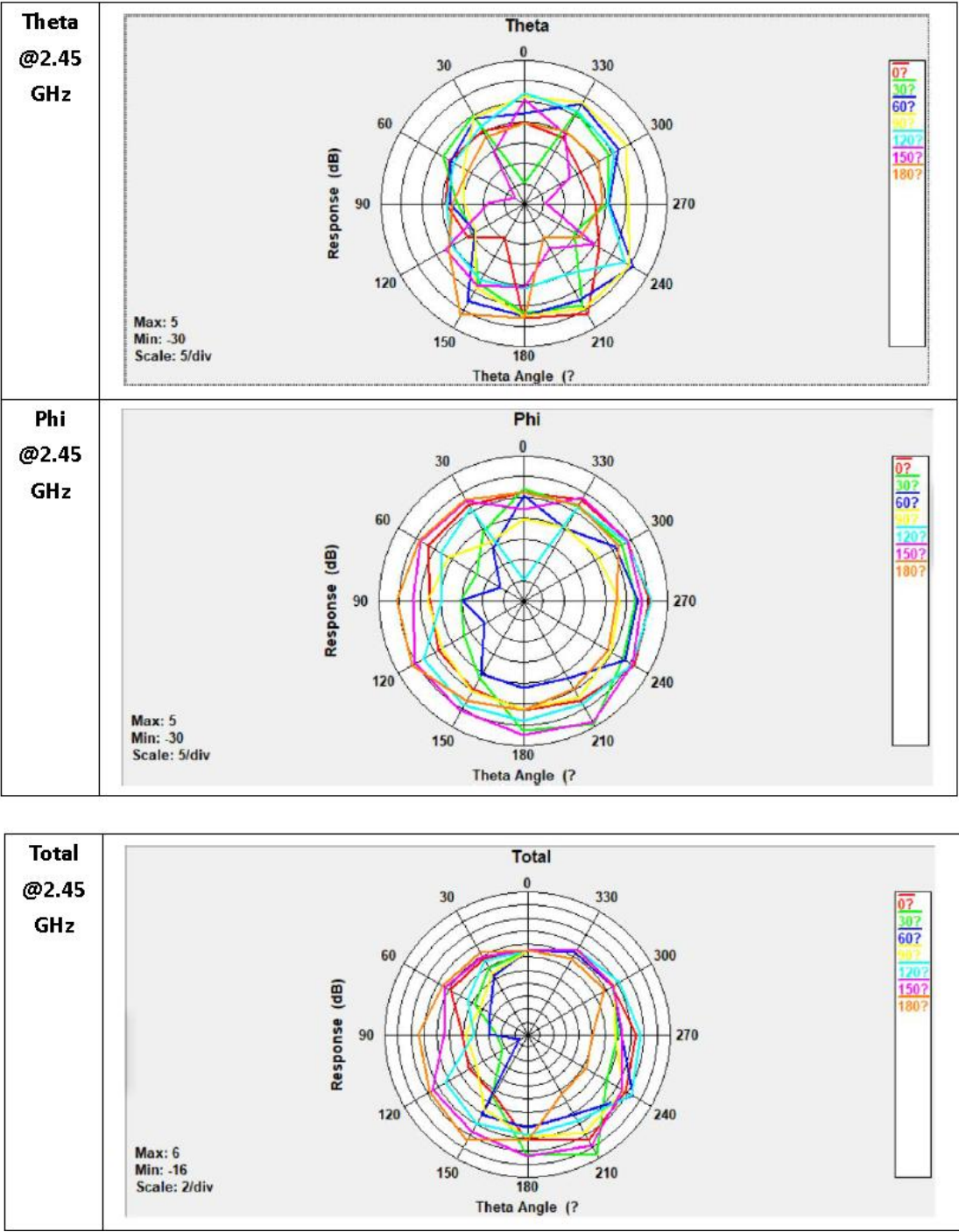
2.1. Standing wave ratio



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	1.06	1.27	40.28	13.32	1.06	0.19	48.26	49.33
2410	44.63	-2.46	1.01	1.26	42.42	13.54	1.01	0.29	48.66	49.58
2420	44.94	-2.12	0.83	1.21	40.96	14.77	0.83	0.47	48.71	49.88
2430	44.27	-2.70	0.40	1.09	43.24	15.23	0.40	0.17	48.21	49.35
2440	44.75	-2.39	1.10	1.28	40.71	15.79	1.10	0.39	48.58	49.56
2450	44.82	-1.83	0.50	1.12	41.19	16.18	0.50	0.11	49.11	49.99
2460	44.28	-2.63	0.91	1.23	42.39	18.25	0.91	0.22	48.37	49.22
2470	44.49	-2.34	0.65	1.16	41.78	18.80	0.65	0.31	48.50	49.54
2480	45.08	-2.23	0.84	1.21	40.89	19.05	0.84	0.13	48.98	49.99
2490	44.21	-2.68	0.68	1.16	43.21	19.23	0.68	0.27	48.24	49.20
2500	44.46	-2.32	0.97	1.25	40.44	19.62	0.97	0.30	48.48	49.61

2.3.Directivity diagram



3. Antenna drawing:

