

Manufacturer	Shenzhen ChampOn Technology Co., Ltd
Antenna type	PCB antenna
Antenna Gain	2.00dBi for 2.4G

1. Test equipment and conditions:

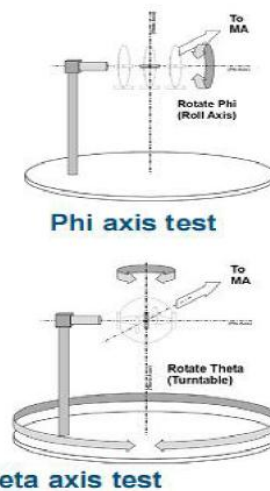
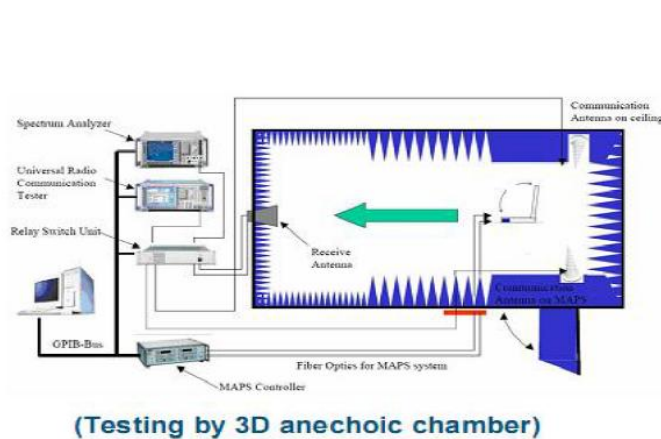
1.1. Network Analyzer

Agilent 8753D Agilent 5071B

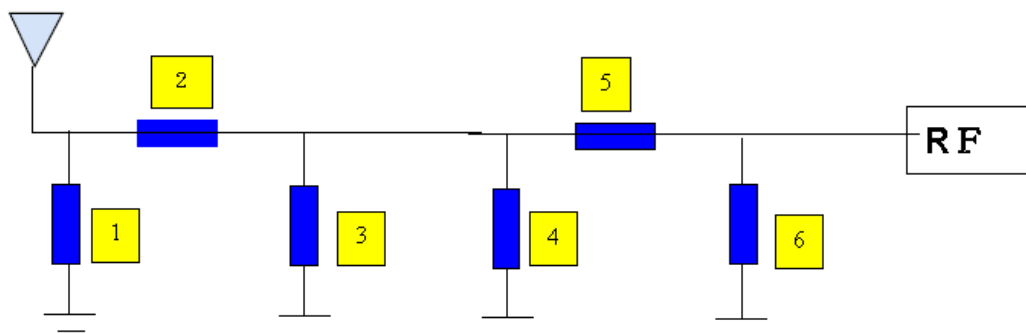
1.2. Communication test equipment

Agilent E5515C R&S CMW500

1.3. Test system

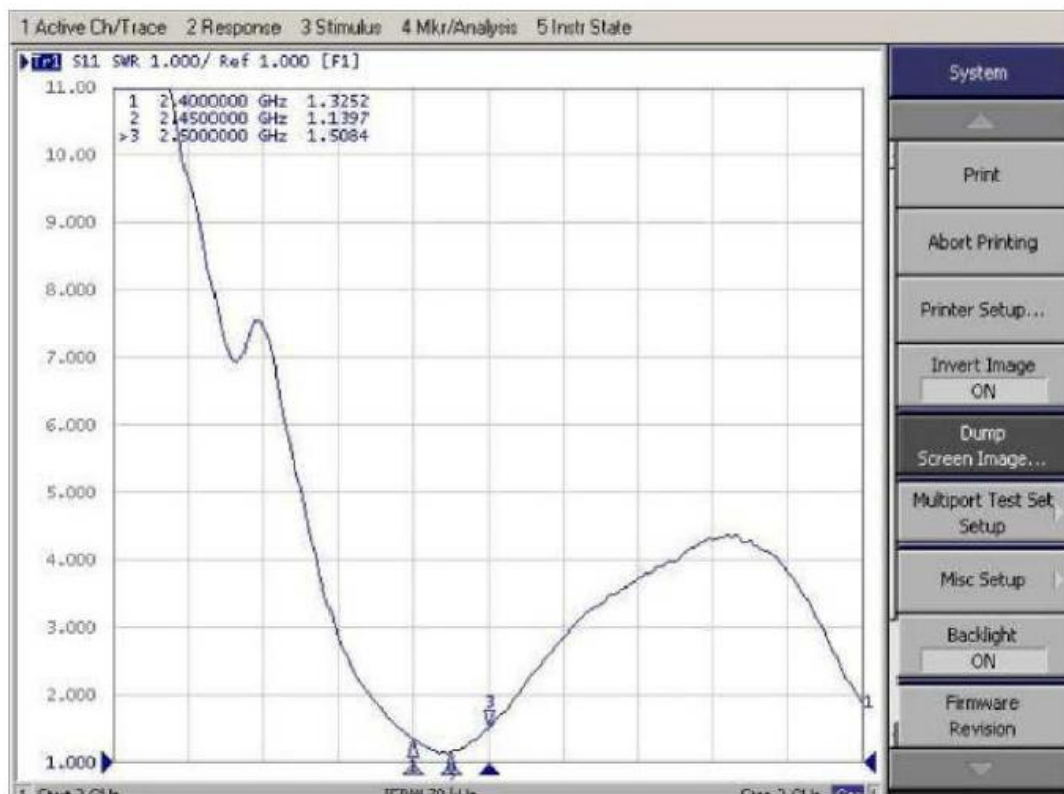


1.4. Matching circuit



2. Test Data:

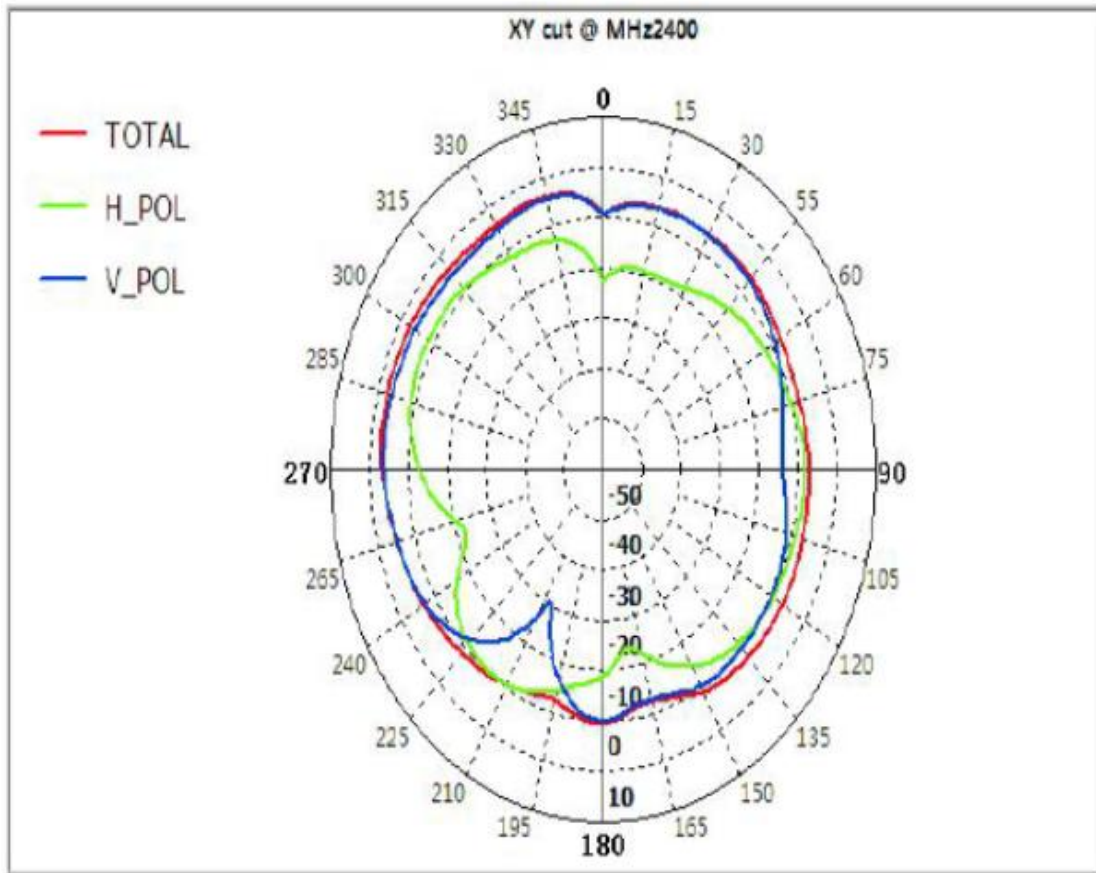
2.1. Standing wave ratio

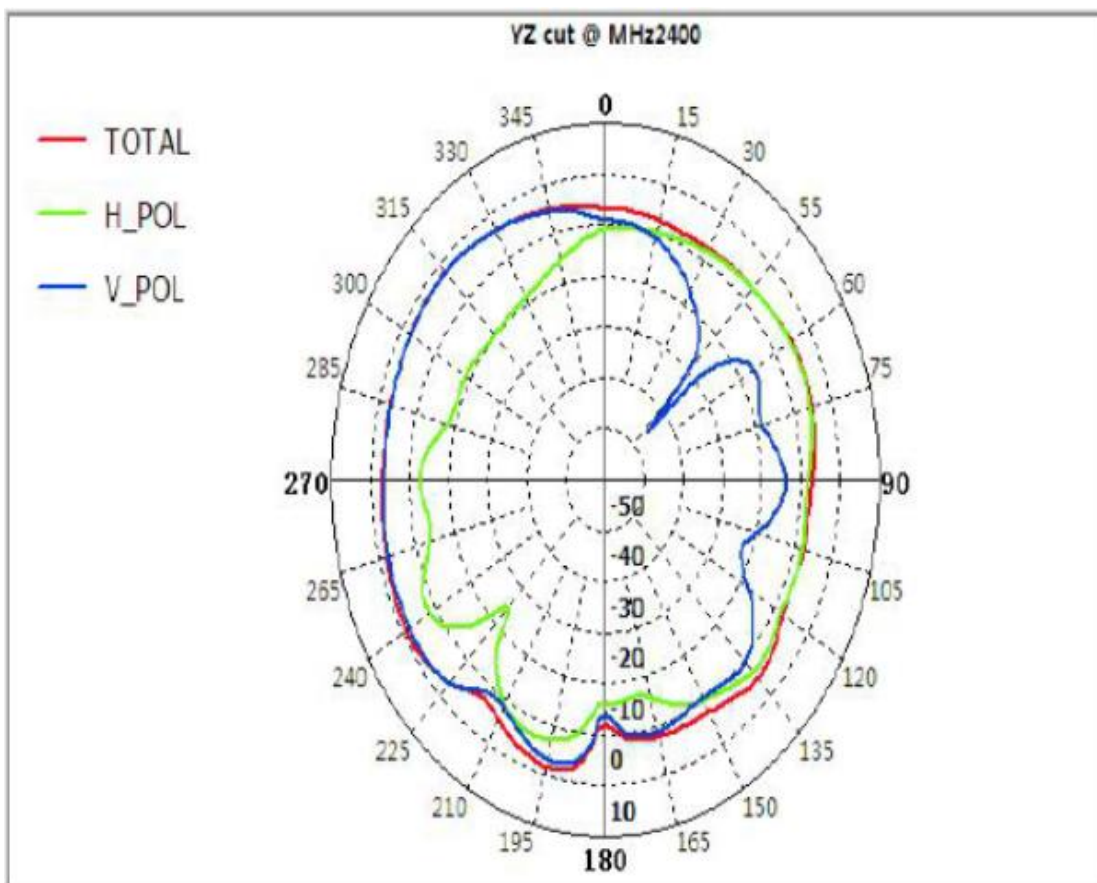
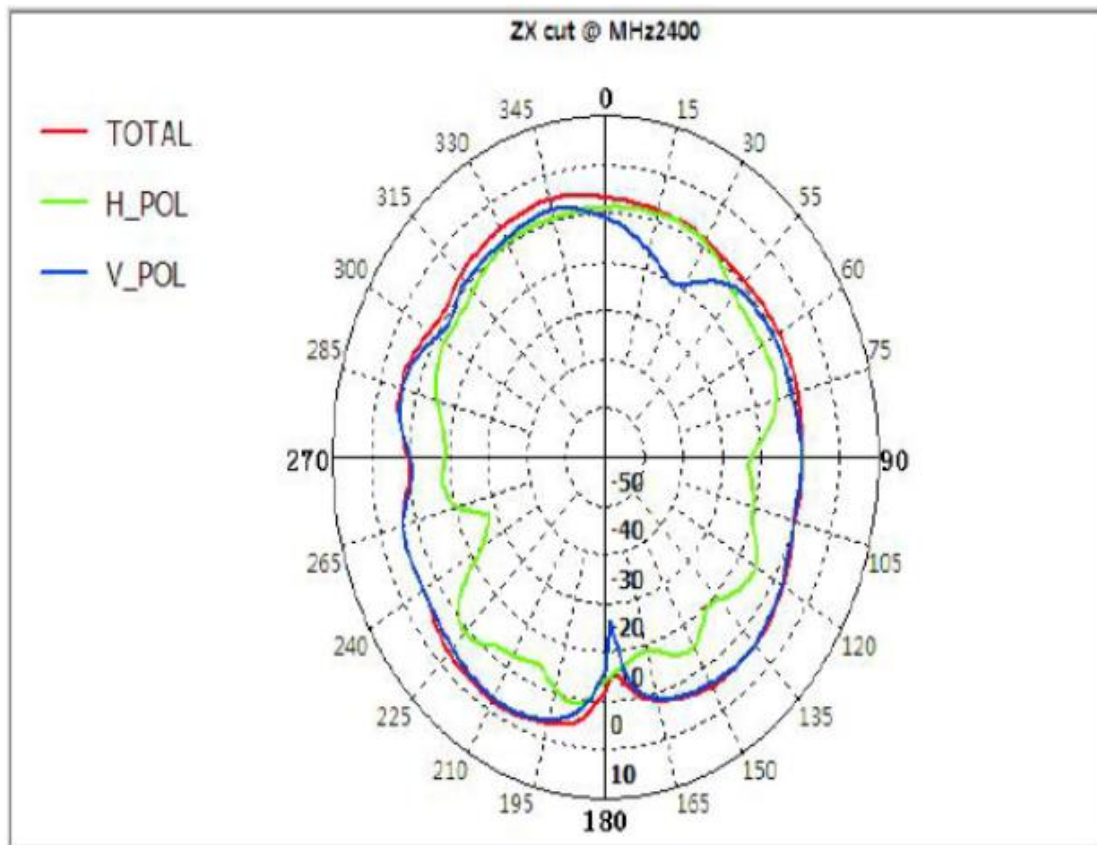


2.2.Efficiency

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	1.82	-0.32	40.28	13.32	2.29	-23.79	48.26	49.33
2410	44.63	-2.46	1.01	-1.13	42.42	13.54	2.46	-21.29	48.66	49.58
2420	44.94	-2.12	1.78	-0.36	40.96	14.77	2.68	-20.97	48.71	49.88
2430	44.27	-2.70	1.63	-0.51	43.24	15.23	2.29	-22.77	48.21	49.35
2440	44.75	-2.39	1.08	-1.06	40.71	15.79	2.53	-25.39	48.58	49.56
2450	44.82	-1.83	1.84	-0.30	41.19	16.18	3.15	-21.98	49.11	49.99
2460	44.28	-2.63	1.14	-1.00	42.39	18.25	2.31	-25.62	48.37	49.22
2470	44.49	-2.34	1.96	-0.18	41.78	18.80	2.50	-24.31	48.50	49.54
2480	45.08	-2.23	1.87	-0.27	40.89	19.05	3.14	-23.23	48.98	49.99
2490	44.21	-2.68	1.55	-0.59	43.21	19.23	2.35	-21.77	48.24	49.20
2500	44.46	-2.32	1.99	-0.15	40.44	19.62	2.48	-20.30	48.48	49.61

2.3. Directivity diagram





3. Antenna drawing:

