

Manufacturer	Shenzhen Zhisuojia Technology Co., Ltd.
Address	807-2, Yongfeng Complex, Yongfeng Community, Xixiang Street, Baoan District, Shenzhen, Guangdong, China
Model	HL30
Antenna type	PCB antenna
Antenna Gain	2.0dBi for 2.4G

1.Test equipment and conditions:

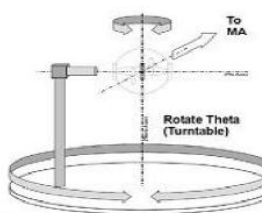
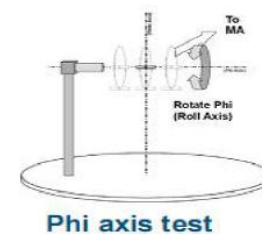
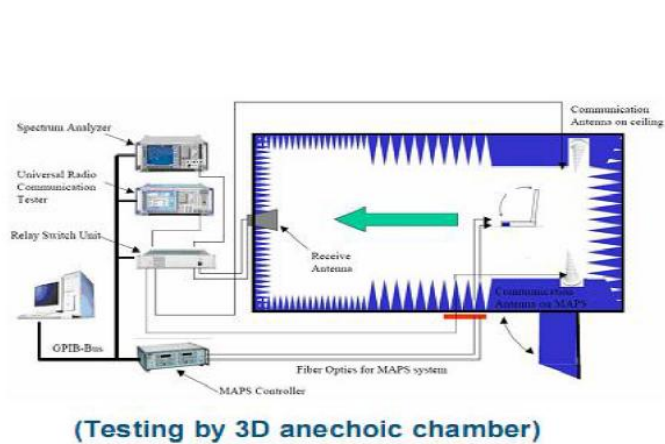
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

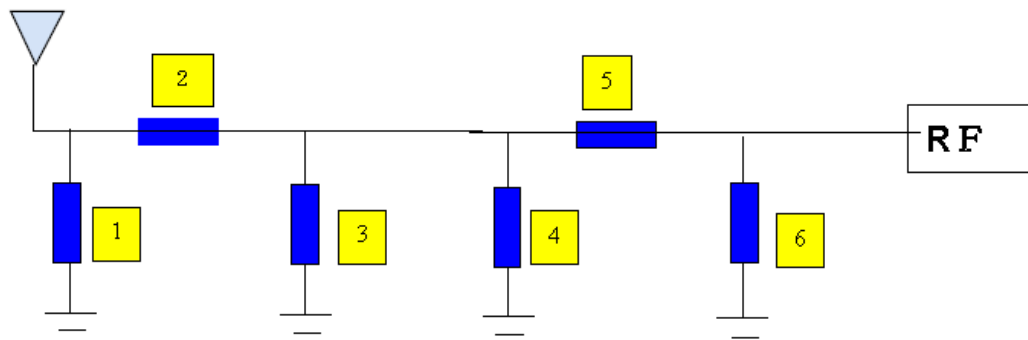
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

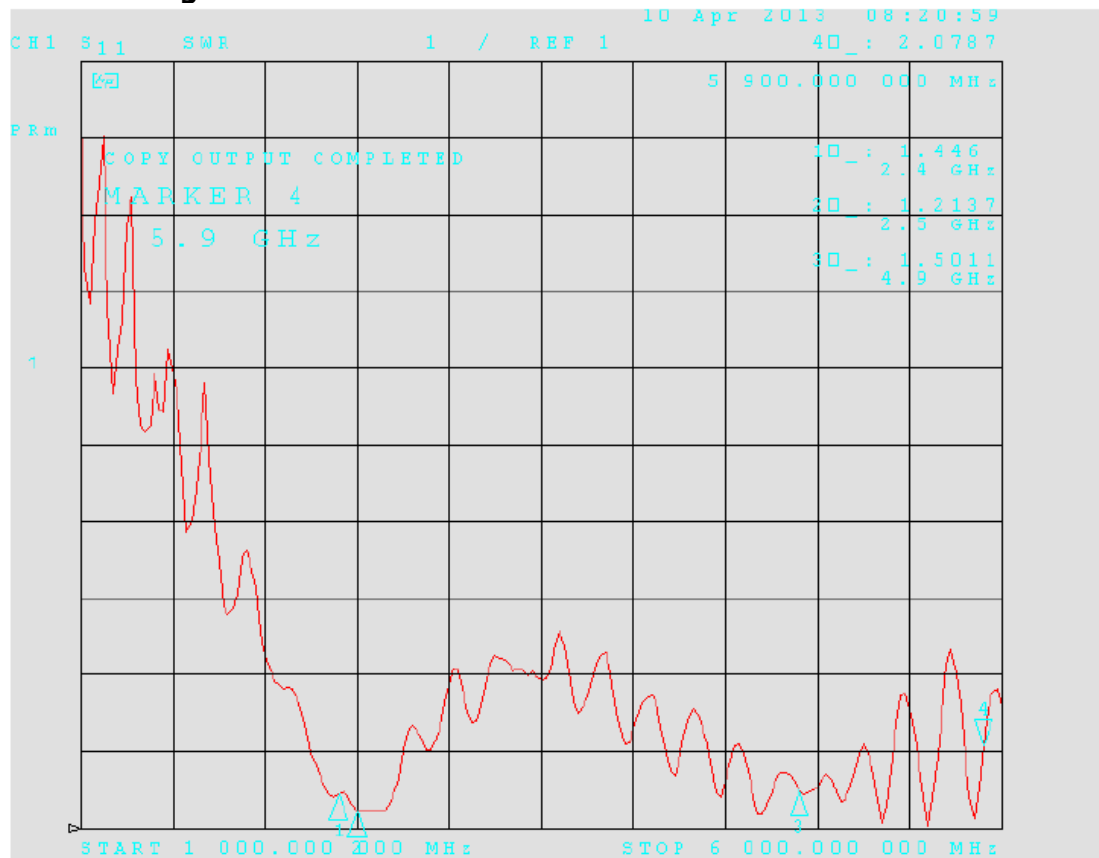


1.4. Matching circuit



2. Test Data:

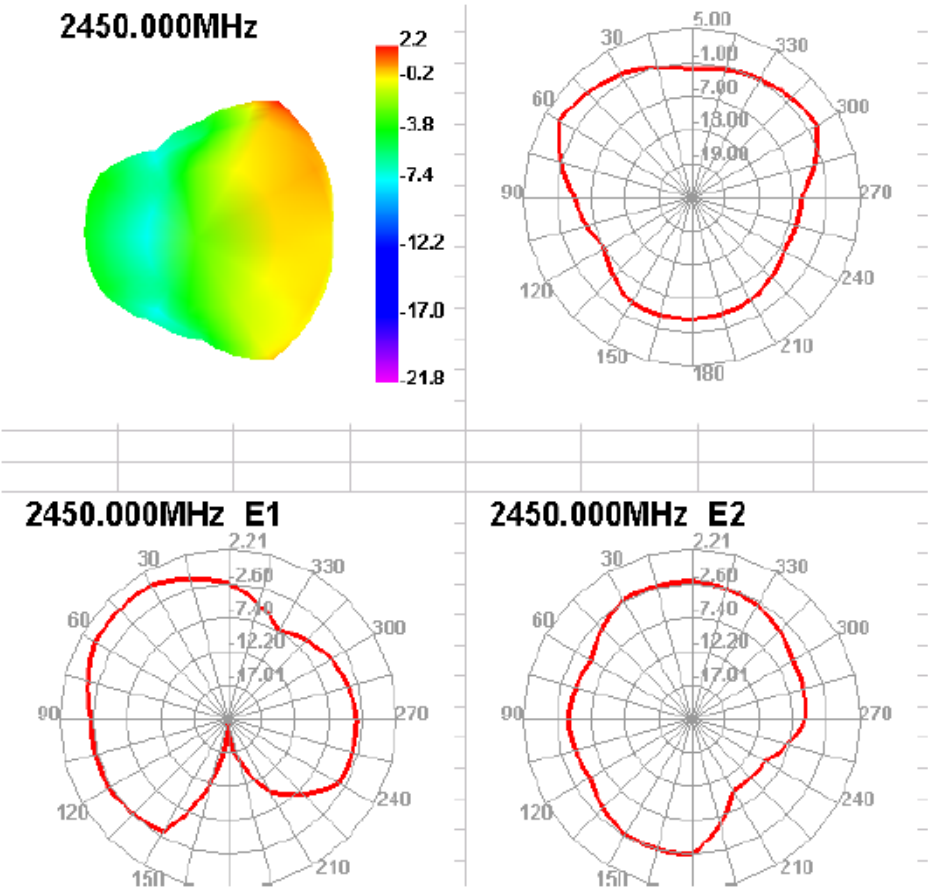
2.1. Standing wave ratio



2.2.Efficiency

Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)
2400	41.07	-2.09	1.63
2410	41.62	-2.50	1.59
2420	41.98	-2.69	1.75
2430	41.81	-2.09	1.38
2440	41.54	-2.34	1.75
2450	41.83	-2.42	1.55
2460	41.15	-2.49	1.69
2470	41.26	-2.88	1.89
2480	41.78	-2.87	1.94
2490	41.05	-2.07	2.00
2500	41.07	-2.09	1.71

2.3.Directivity diagram



3. Antenna drawing (mm) :

