

Manufacturer	Dongguan Yirui Electronic Technology Co., Ltd.
Model	Z04-300M
Antenna type	External antenna
Antenna Gain	4.53 dBi(Max.)

1.Test equipment and conditions:

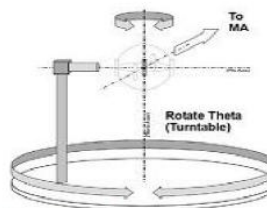
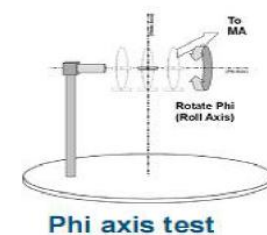
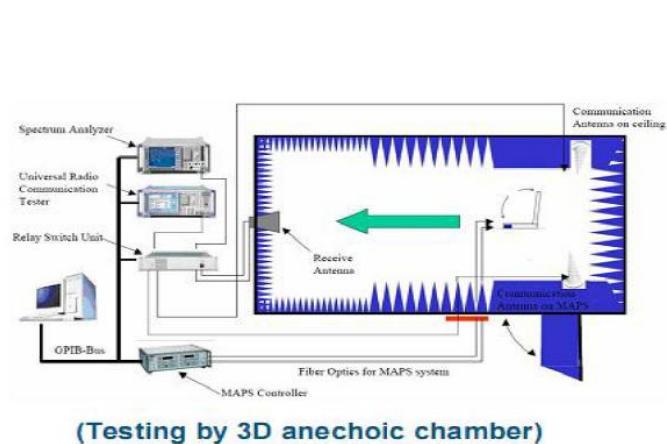
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

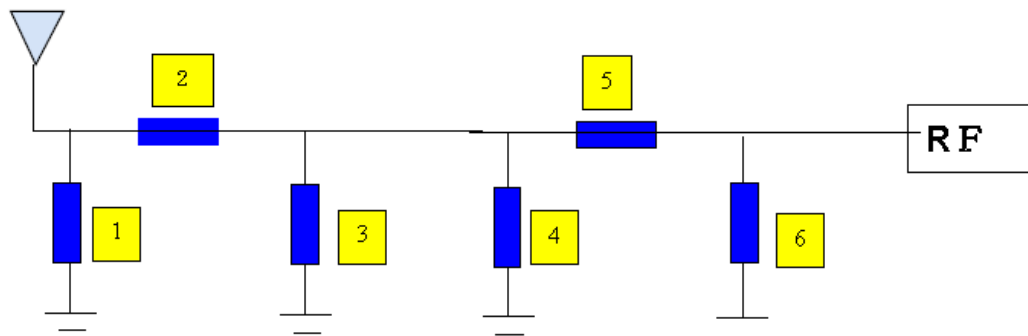
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

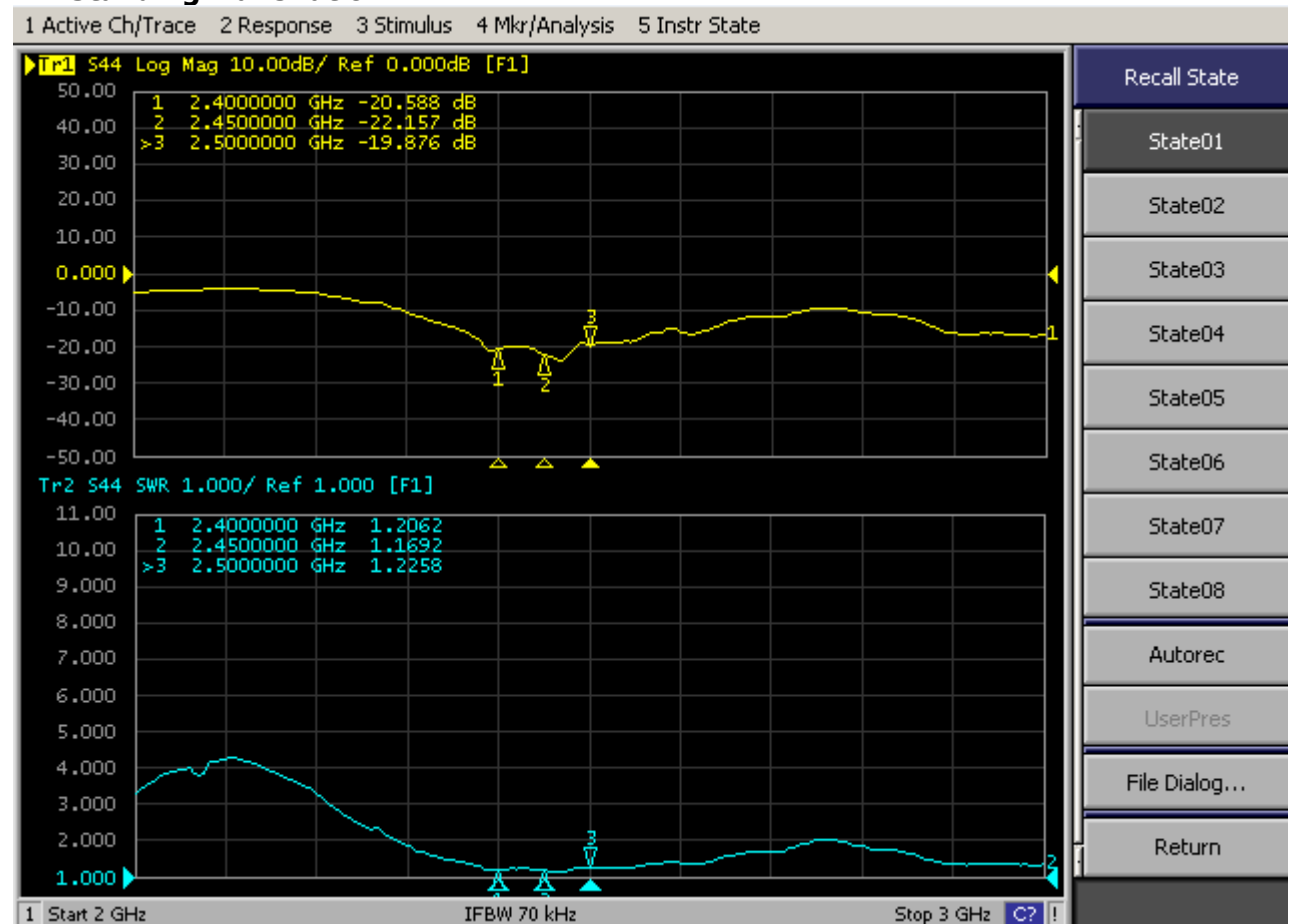


1.4. Matching circuit



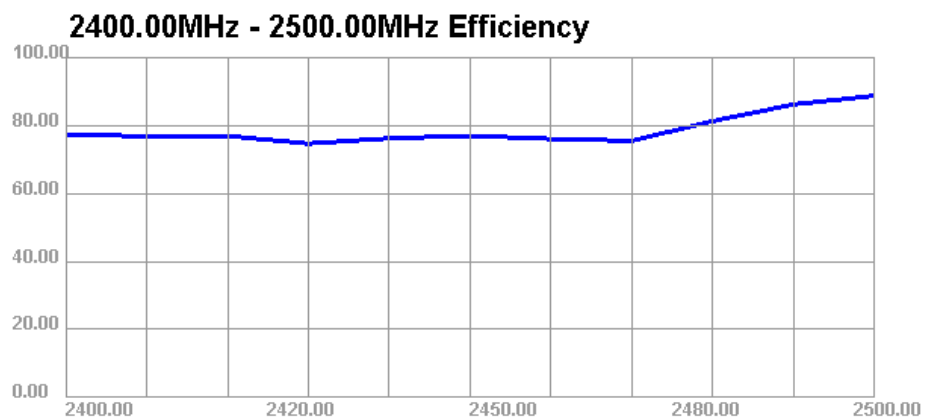
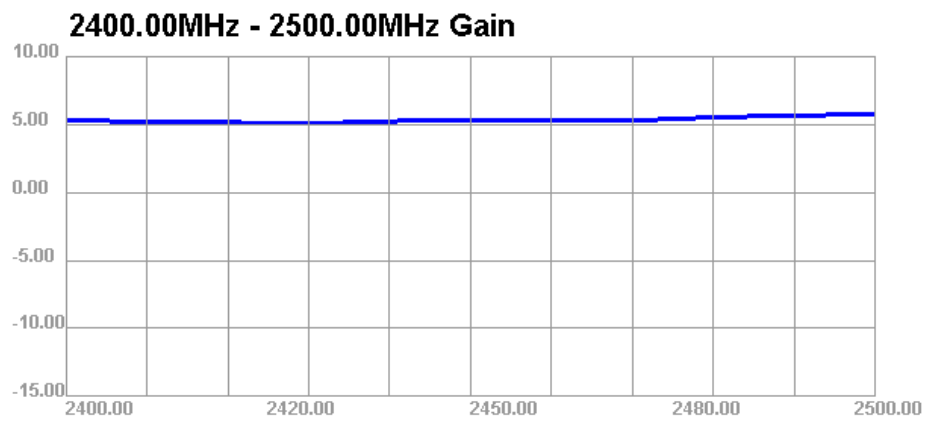
2. Test Data:

2.1. Standing wave ratio



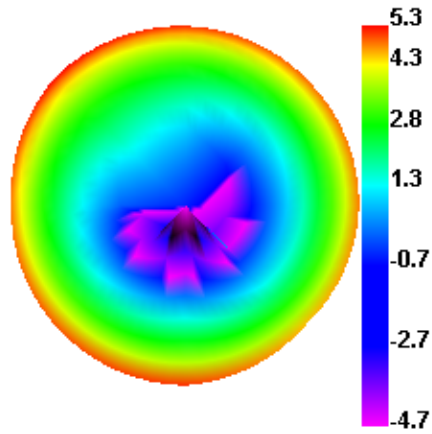
2.2.Efficiency

Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)	UHis (%)	DHis (%)
2400	44.38	-2.79	4.26	40.28	13.32
2410	44.63	-2.46	4.46	42.42	13.54
2420	44.94	-2.12	4.47	40.96	14.77
2430	44.27	-2.70	4.40	43.24	15.23
2440	44.75	-2.39	4.00	40.71	15.79
2450	44.82	-1.83	4.53	41.19	16.18
2460	44.28	-2.63	4.13	42.39	18.25
2470	44.49	-2.34	4.44	41.78	18.80
2480	45.08	-2.23	4.00	40.89	19.05
2490	44.21	-2.68	4.25	43.21	19.23
2500	44.46	-2.32	4.41	40.44	19.62

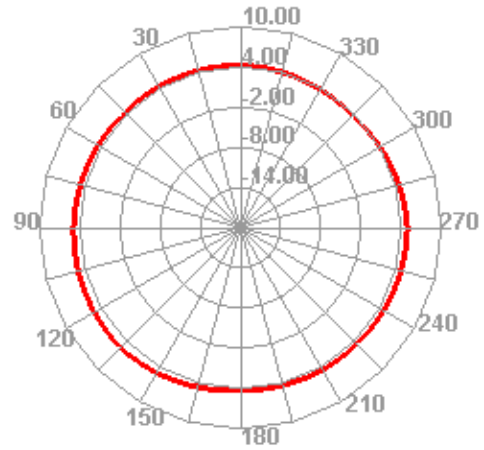


2.3. Directivity diagram

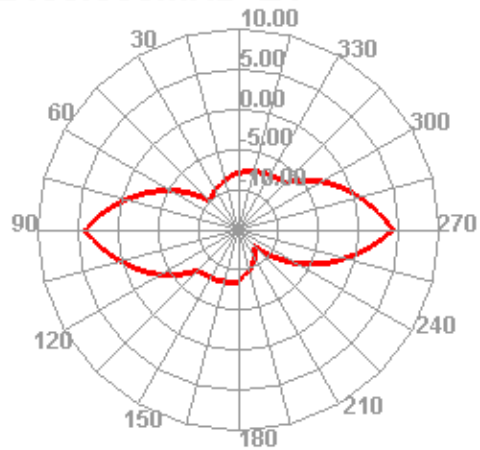
2400.000MHz



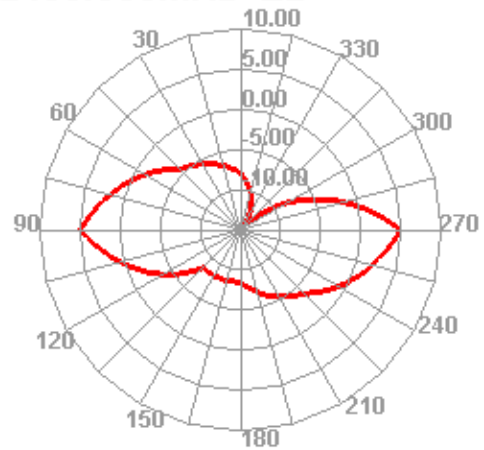
2400.000MHz H



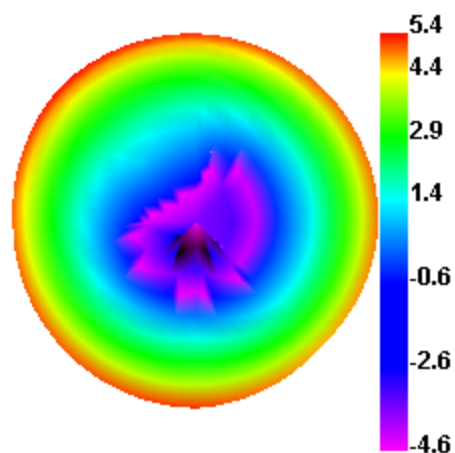
2400.000MHz E1



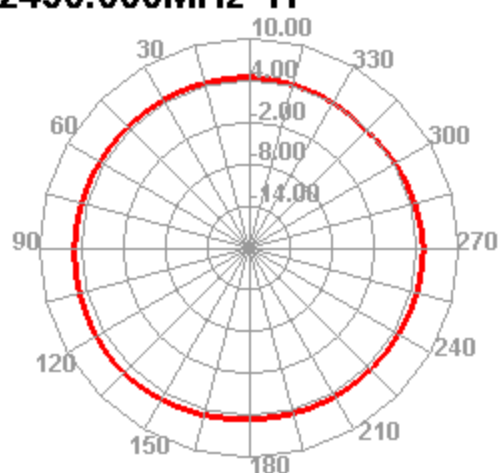
2400.000MHz E2



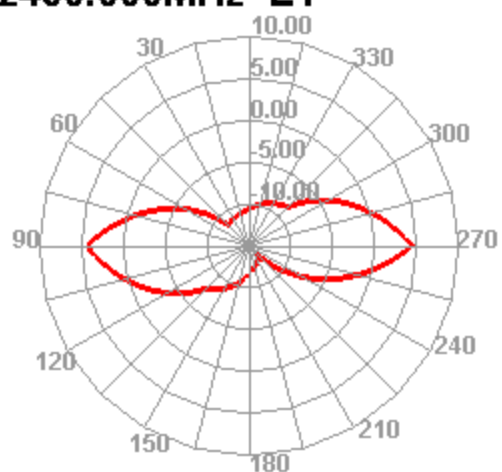
2450.000MHz



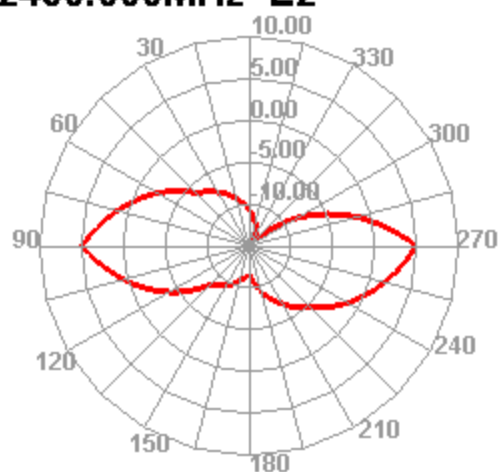
2450.000MHz H



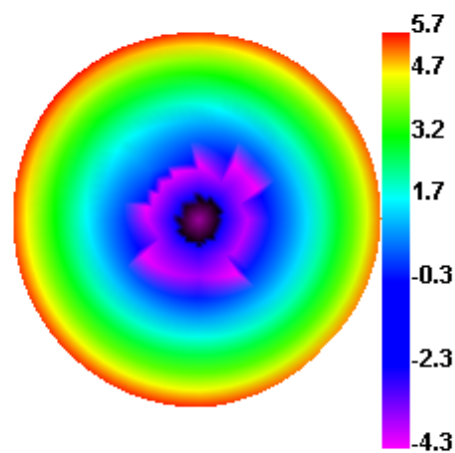
2450.000MHz E1



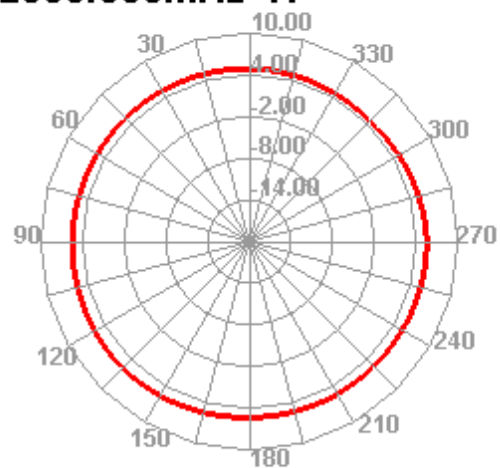
2450.000MHz E2



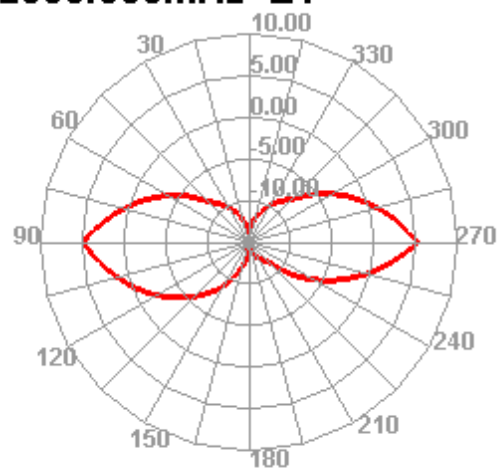
2500.000MHz



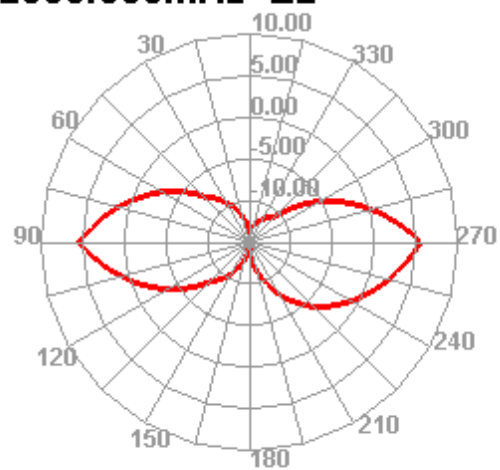
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



3. Antenna drawing (mm) :

