

Manufacturer	ShenZhen JY Communication Equipment Co. , Ltd
Address	Room A82, 8th Floor, Zhenxing Building, No. 65, Jinli Road, Buji Sub-district, Longgang District, Shenzhen City
Model	MAX16
Antenna type	FPC antenna
Antenna Gain	2.00dBi for 2.4G, 2.00dBi for 5G

## 1.Test equipment and conditions:

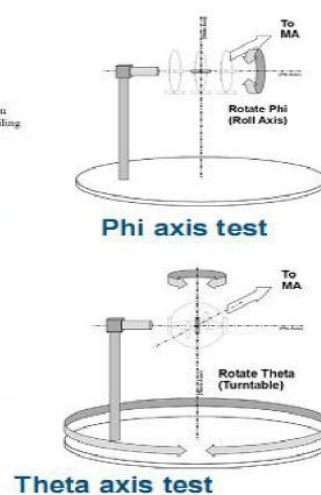
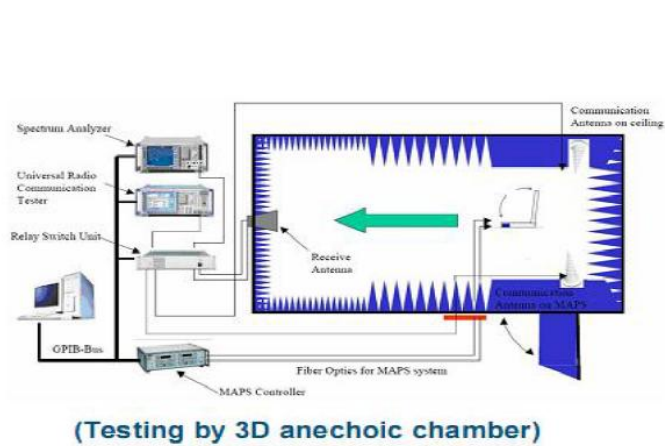
### 1.1.Network Analyzer

Agilent 8753D Agilent 5071B

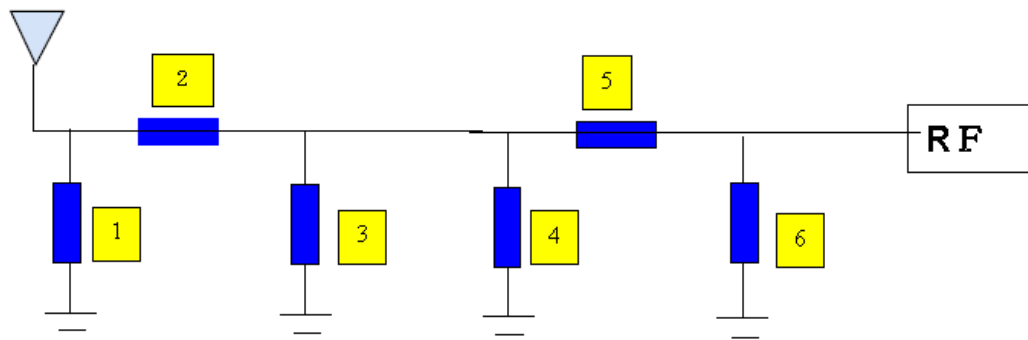
### 1.2.Communication test equipment

Agilent E5515C R&S CMW500

### 1.3.Test system

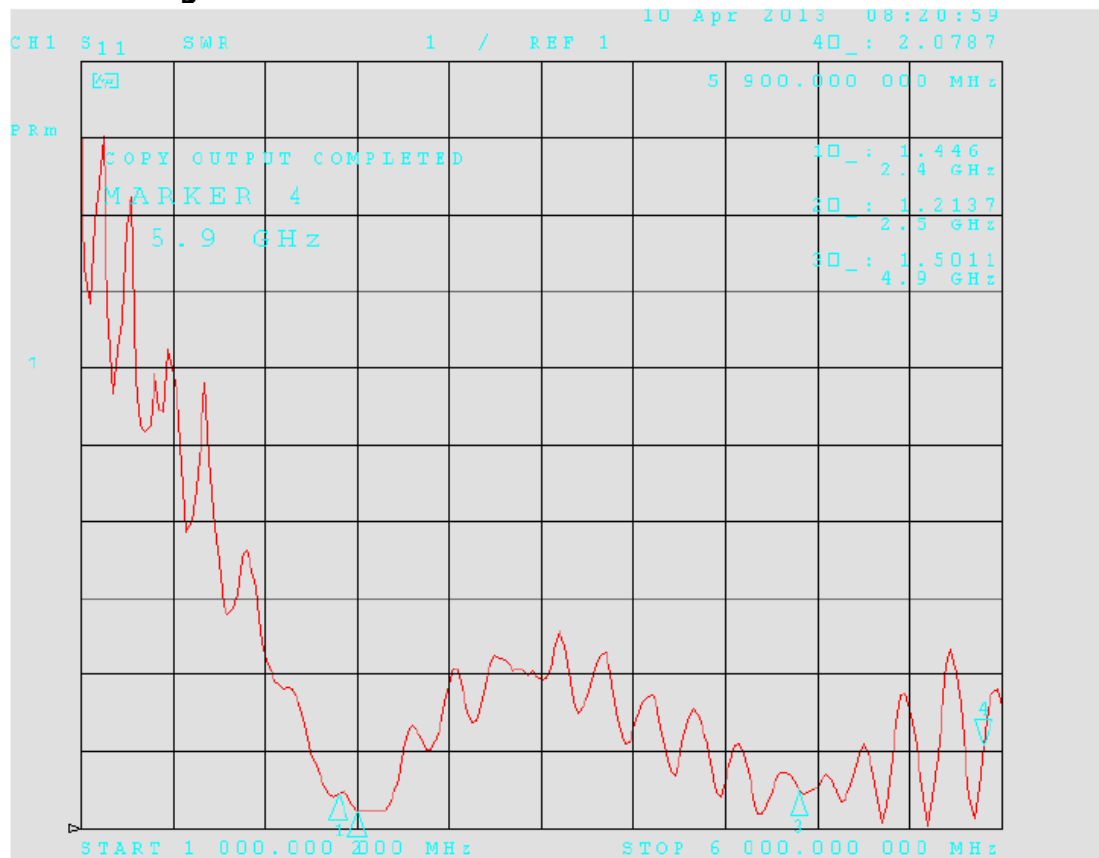


## 1.4. Matching circuit



## 2. Test Data:

### 2.1. Standing wave ratio

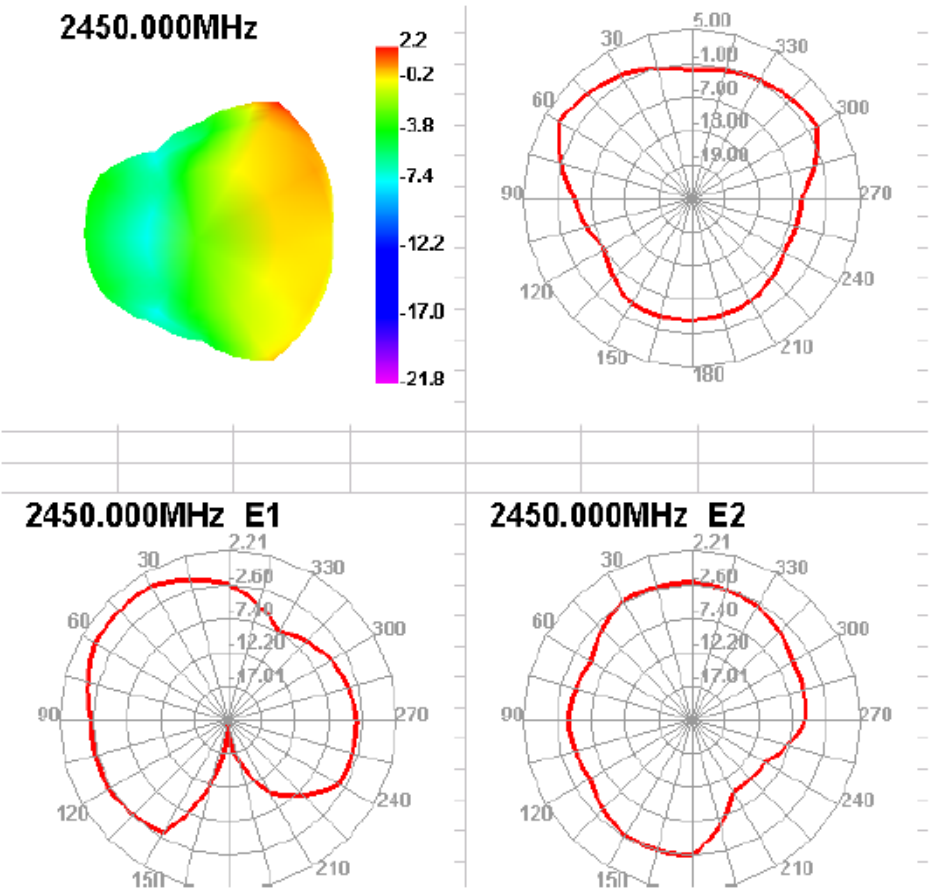


## 2.2.Efficiency

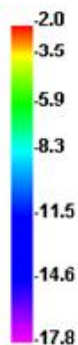
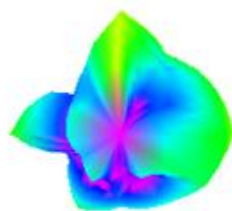
Passive Test For 2.4G			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	19.51	-7.1	-0.87
2410	19.91	-7.01	-0.89
2420	19.26	-7.15	-1.17
2430	19.29	-7.15	-1.28
2440	18.82	-7.25	-0.48
2450	19.85	-7.02	0.19
2460	21.34	-6.71	0.76
2470	22.18	-6.54	2.00
2480	23.2	-6.34	1.38
2490	24.19	-6.16	1.83
2500	24.88	-6.04	1.24

Passive Test For 5G-WIFI			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
5000	25.2	-5.99	-0.23
5100	26.52	-5.76	-0.23
5200	24.17	-6.17	-0.58
5300	30.84	-5.11	1.41
5400	37.57	-4.25	1.48
5500	38.25	-4.17	1.07
5600	32.46	-4.89	1.02
5700	29.73	-5.27	1.98
5800	31.27	-5.05	2.00
5900	20.68	-6.84	1.08
6000	21.97	-6.58	1.57

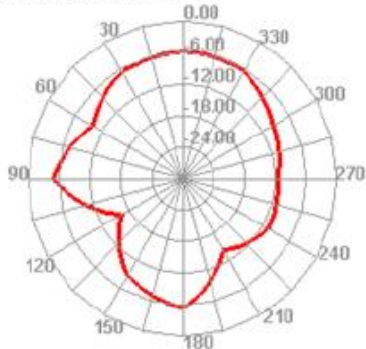
2.3.Directivity diagram



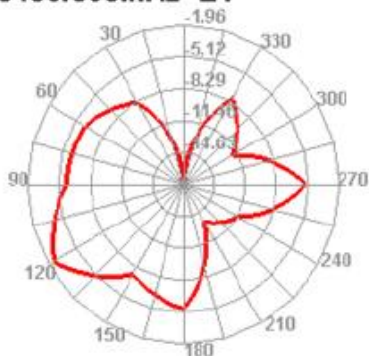
5400.000MHz



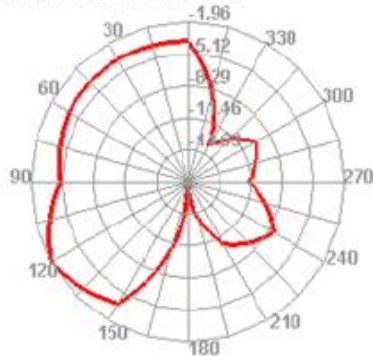
5400.000MHz H



5400.000MHz E1



5400.000MHz E2



### 3. Antenna drawing ( mm ) :

