

Manufacturer	Shenzhen Jiuhetongda Electronic Technology Co., Ltd.
Model	JH-WIFI-PCB
Antenna type	Internal antenna
Antenna Gain	1.90 dBi(Max.) for 2.4G Band and 2.26 dBi(Max.) for 5G Band

1.Test equipment and conditions:

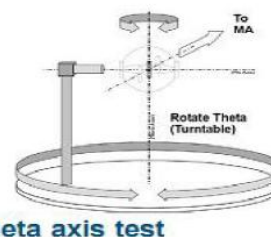
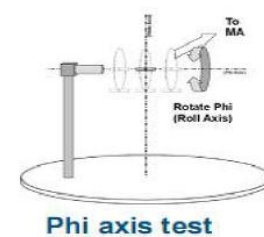
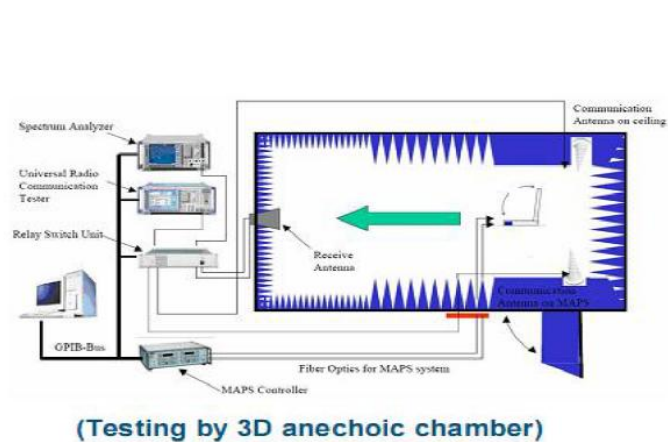
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

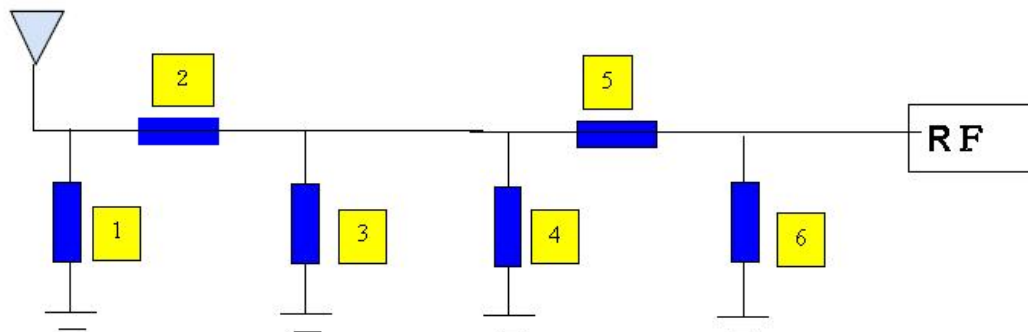
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

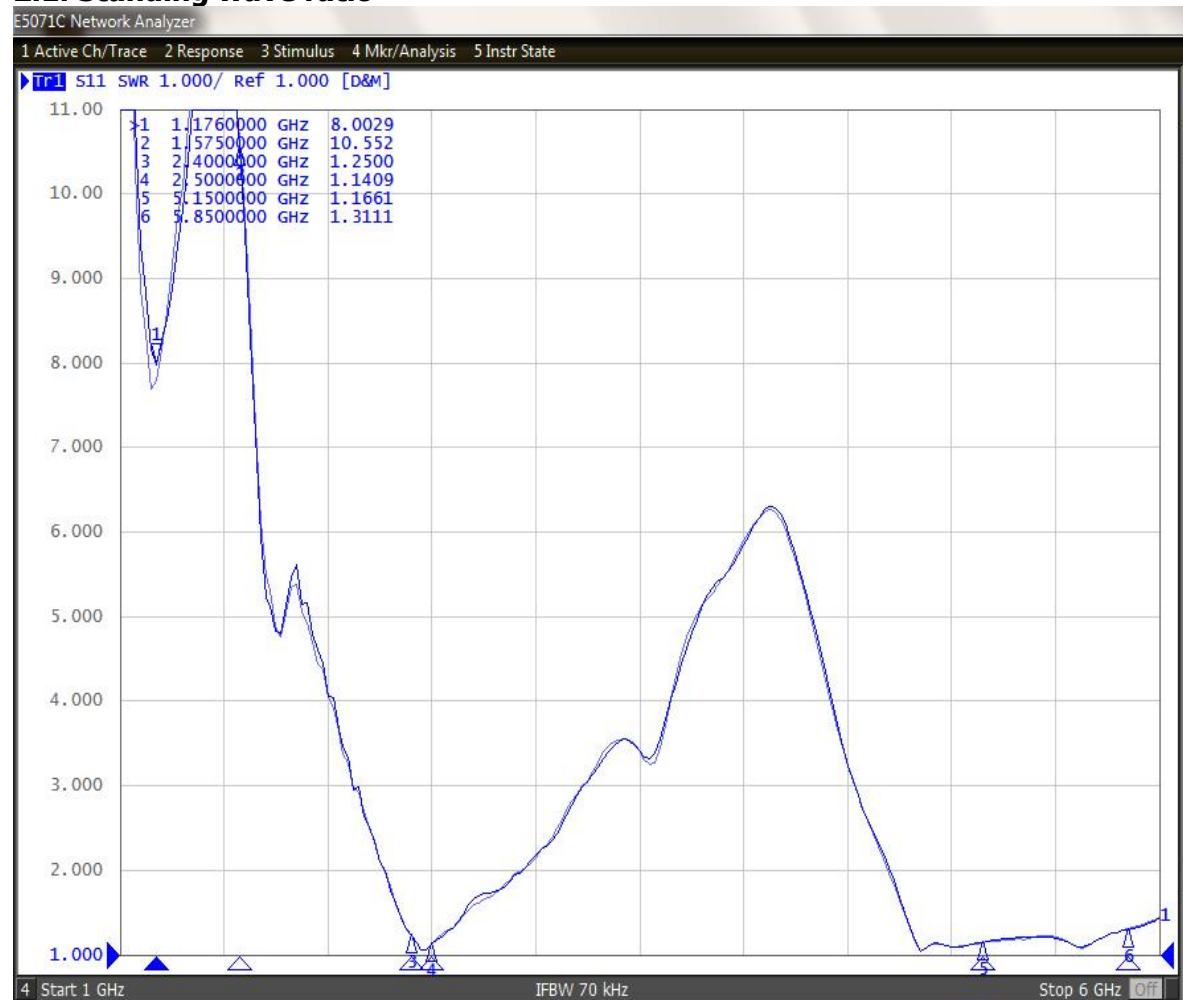


1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio



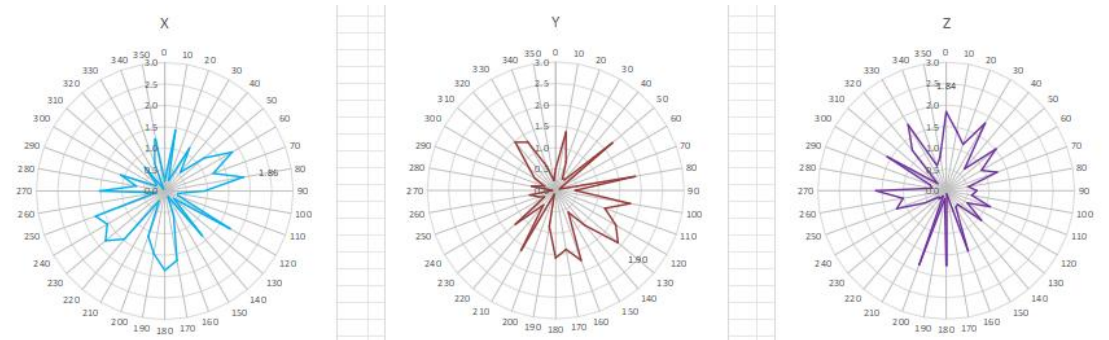
2.2.Efficiency

Passive Test For WiFi Antenna(2.4G/5G)			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	52.99	-2.76	1.6
2405	51.73	-2.86	1.52
2410	46.68	-3.31	1.16
2415	46.97	-3.28	1.2
2420	49.13	-3.09	1.51
2425	46.26	-3.35	1.26
2430	46	-3.37	1.22
2435	51.45	-2.89	1.7
2440	49.17	-3.08	1.49
2445	49.22	-3.08	1.48
2450	55.28	-2.57	1.9
2455	51.86	-2.85	1.5
2460	49.73	-3.03	1.23
2465	53.27	-2.74	1.41
2470	48.07	-3.18	0.9
2475	46.65	-3.31	0.86
2480	50.83	-2.94	1.34
2485	47.09	-3.27	1.1
2490	43.87	-3.58	0.84
2495	49.01	-3.1	1.37
2500	49.75	-3.03	1.41

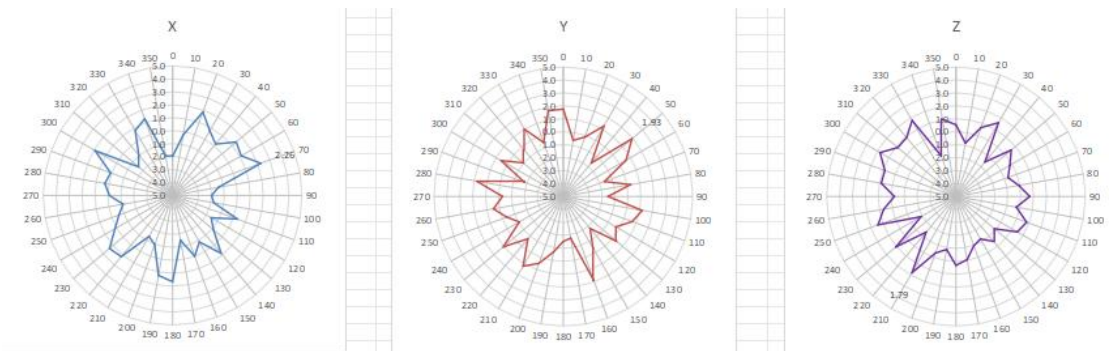
5150	49.49	-3.05	2.26
5200	47.05	-3.27	1.99
5250	40.33	-3.94	1.04
5300	38.11	-4.19	0.28
5350	38.55	-4.14	0.3
5400	41.53	-3.82	0.4
5450	41.52	-3.82	0.53
5500	40.33	-3.94	0.56
5550	37.06	-4.31	0.25
5600	38.34	-4.16	0.37
5650	38.33	-4.16	0.68
5700	43.38	-3.63	1.18
5750	44.34	-3.53	1.04
5800	47.28	-3.25	0.95
5850	47.07	-3.27	1.04

2.3.Directivity diagram

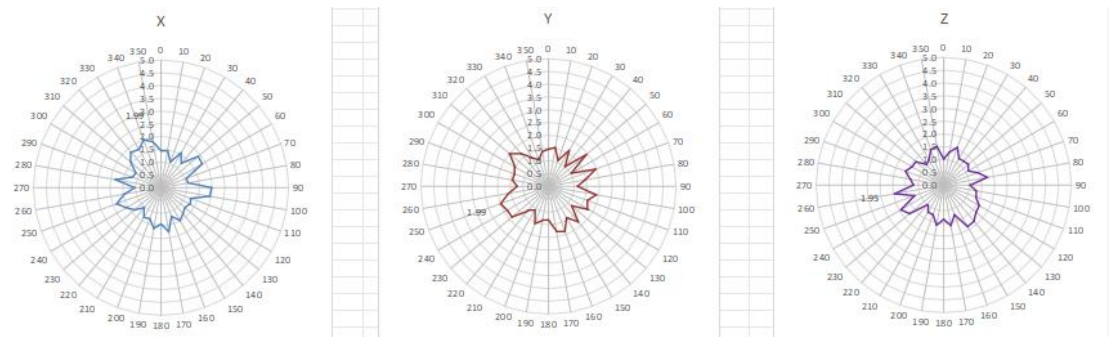
2450MHz



5150MHz



5200MHz



3. Antenna drawing (mm) :

