

Manufacturer	Shenzhen purple Iridium Huachuang electronics Co., LTD
Address	Plant B302, No. 15, Tanmian Road, Xikeng Industrial Zone, Yuanshan Street, Longgang District, Shenzhen, China
Model	30504-0003
Antenna type	Internal antenna
Antenna Gain	1.80dBi for 2.4G;

1. Test equipment and conditions:

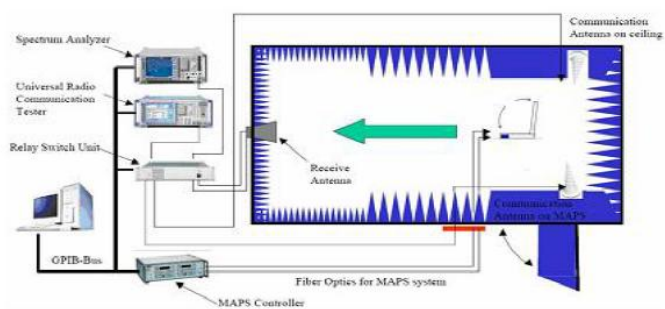
1.1. Network Analyzer

Agilent 8753D Agilent 5071B

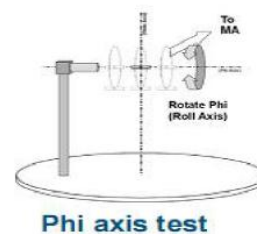
1.2. Communication test equipment

Agilent E5515C R&S CMW500

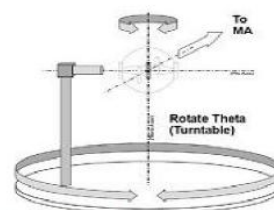
1.3. Test system



(Testing by 3D anechoic chamber)

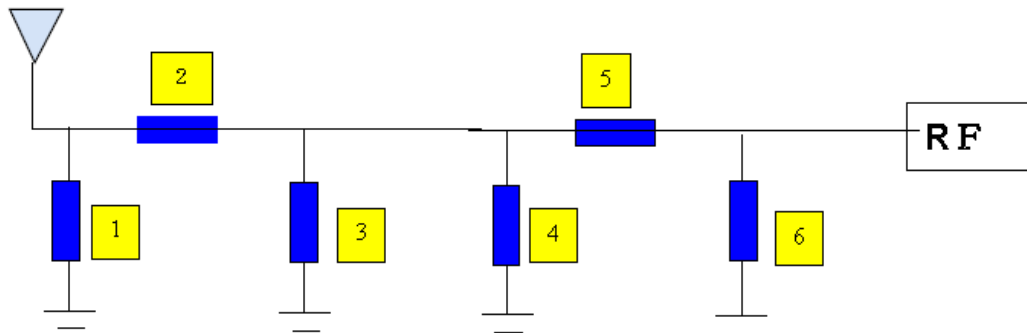


Phi axis test



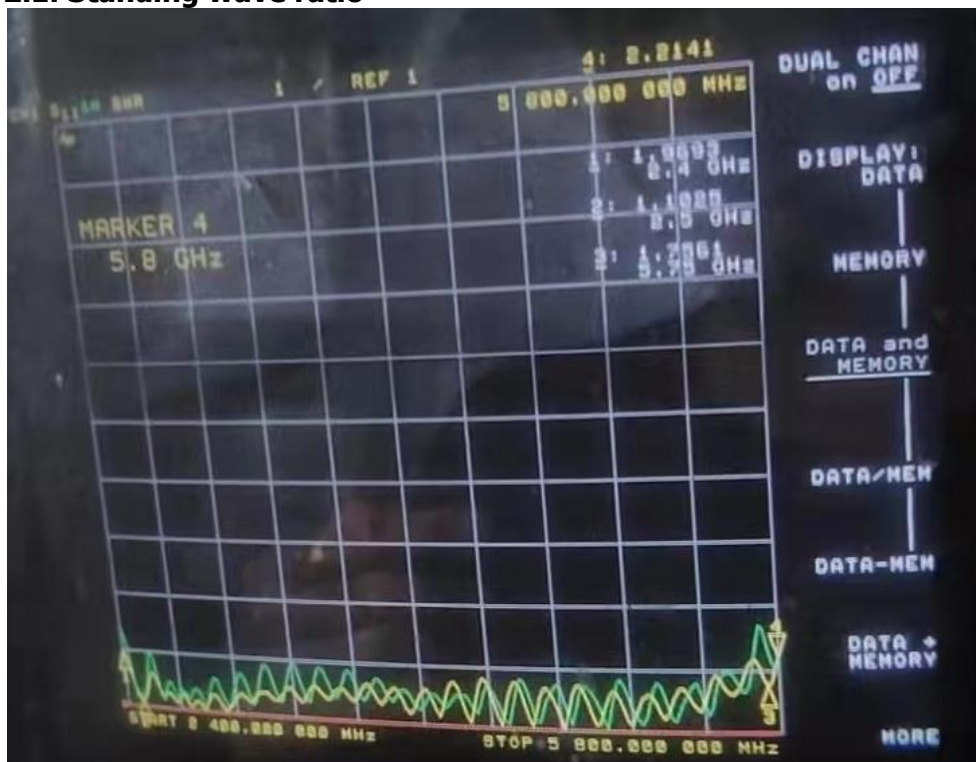
Theta axis test

1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio



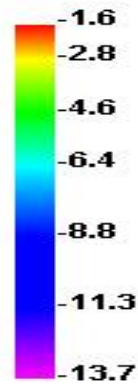
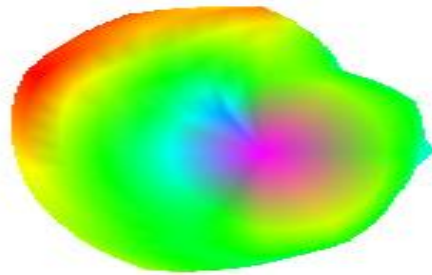
2.2.Efficiency

Passive Test For 2400-2500		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	30.86	1.8
2410	30.19	1.58
2420	30.8	1.52
2430	33.94	1.15
2440	37.43	0.61
2450	39.26	0.26
2460	38.04	0.23
2470	33.66	0.72
2480	36.17	0.36
2490	32.97	0.79
2500	28.26	1.62

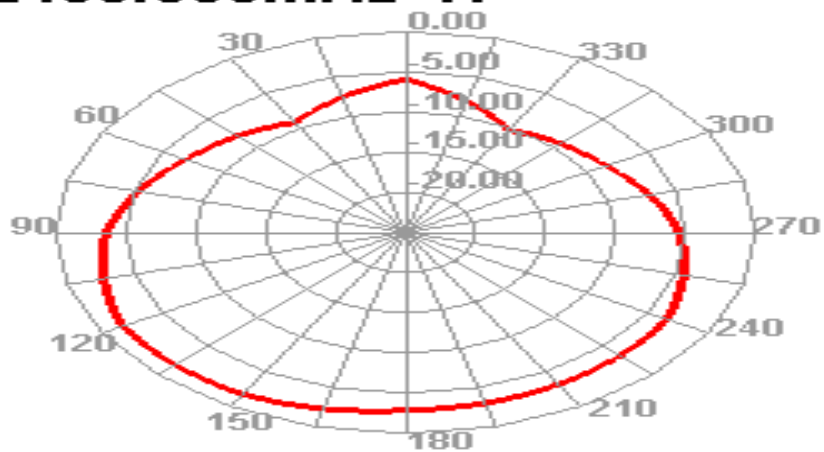
2.3.Directivity diagram

2.4G

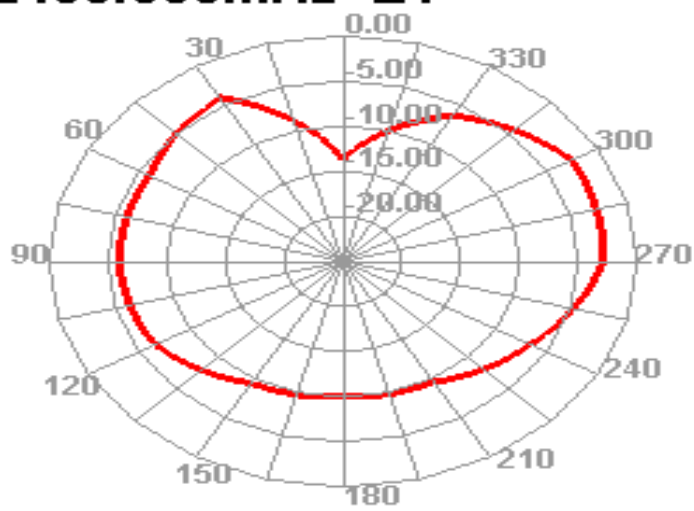
2400.000MHz



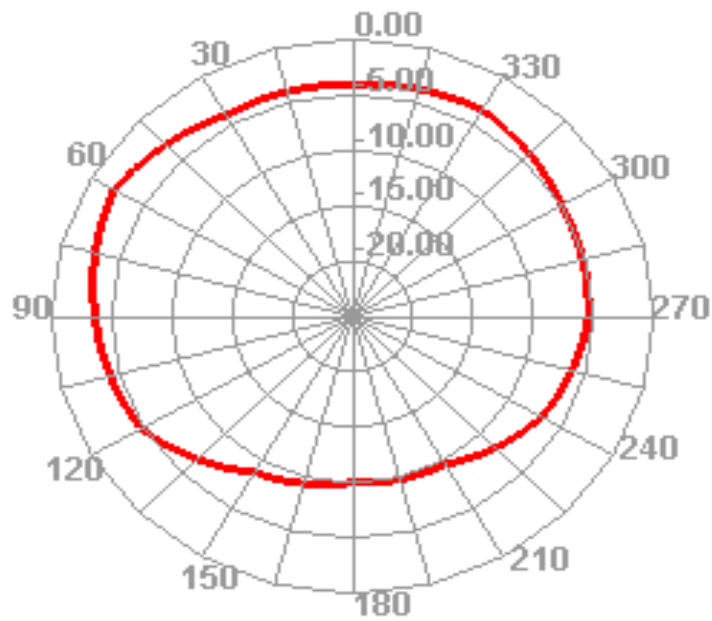
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



3. Antenna drawing(mm):

