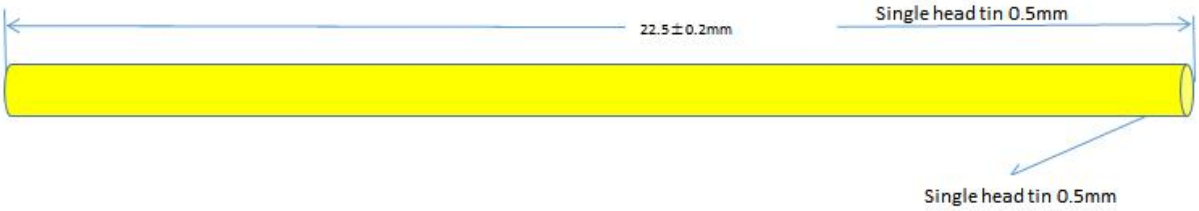
Antenna test report

1. Antenna size

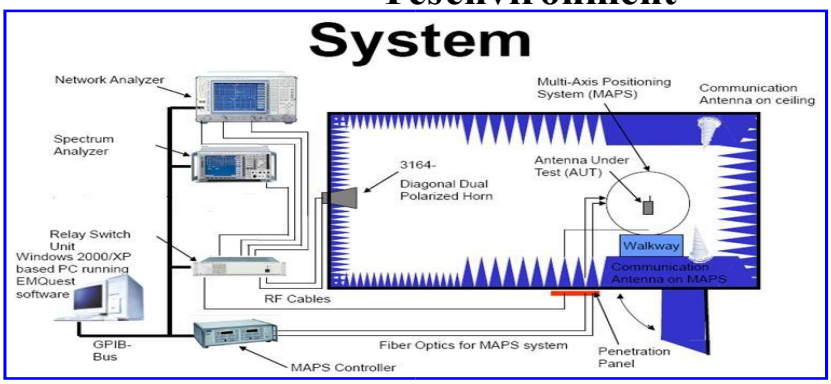


Manufacturer：Shenzhen Xingkeda wire and cable Co., LTD

2. Test system

The test system is a general standard test darkroom system。The test bands include 800MHz- 6GHz frequencies。Dark room appearance dimensions 6m*3m*3m。Darkroom interior picture：

Tesenvironment

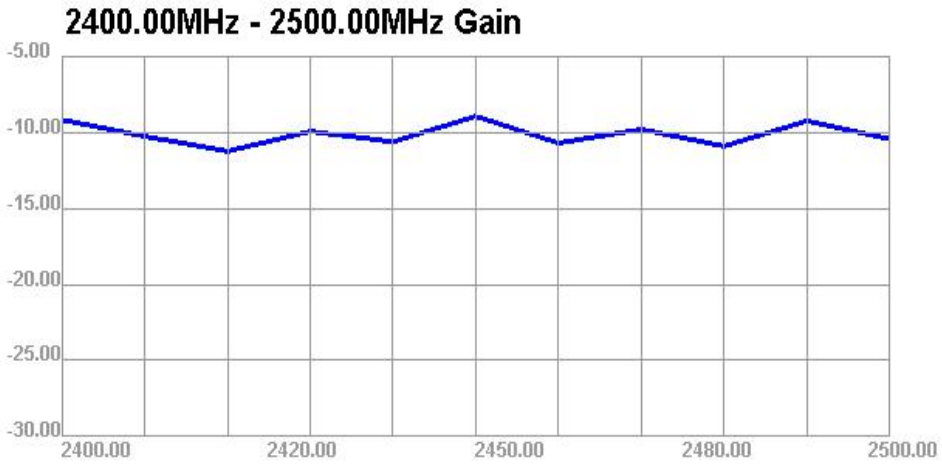


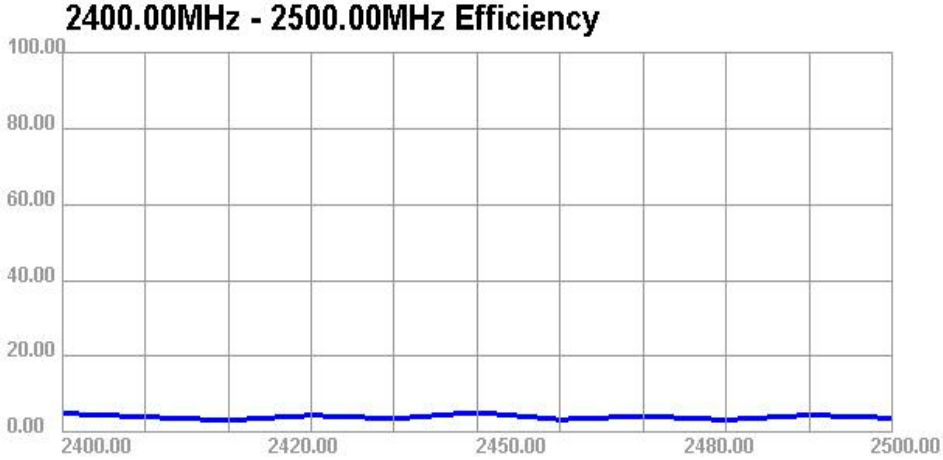
Test the schematic diagram

3. Test data

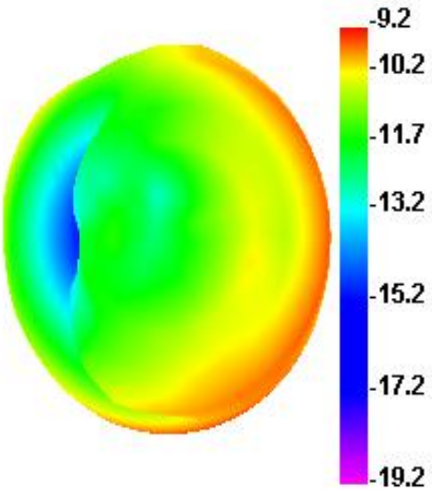
Efficiency and gain

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	5.04	-12.98	-9.18	-11.33	2.605	2.432	-9.18	-30.87	3.8	60	49.71	49.78
2410	4.12	-13.85	-10.25	-12.4	2.108	2.014	-10.25	-29.46	3.6	60	49.12	49.26
2420	3.22	-14.92	-11.24	-13.39	1.648	1.57	-11.24	-31.33	3.68	60	49.01	49.03
2430	4.53	-13.44	-9.93	-12.08	2.264	2.268	-9.93	-31.82	3.5	60	49.42	49.5
2440	3.66	-14.37	-10.61	-12.76	1.823	1.833	-10.61	-32.2	3.76	60	49.94	49.86
2450	5.32	-12.74	-8.94	-11.09	2.649	2.673	-8.94	-30.57	3.8	75	49.46	49.52
2460	3.43	-14.65	-10.7	-12.85	1.709	1.717	-10.7	-31.12	3.95	75	49.32	49.29
2470	4.34	-13.62	-9.8	-11.95	2.161	2.181	-9.8	-30.37	3.82	75	49.48	49.35
2480	3.34	-14.76	-10.9	-13.05	1.646	1.693	-10.9	-30.48	3.86	75	50.12	50
2490	4.61	-13.36	-9.25	-11.4	2.276	2.336	-9.25	-28.78	4.11	75	49.4	49.15
2500	3.83	-14.17	-10.42	-12.57	1.852	1.975	-10.42	-29.48	3.75	75	49.16	49.04

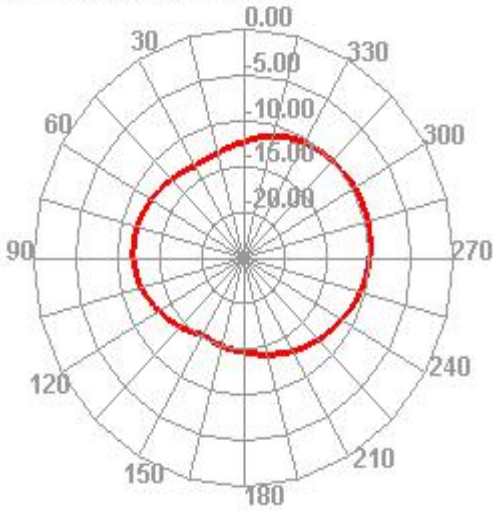




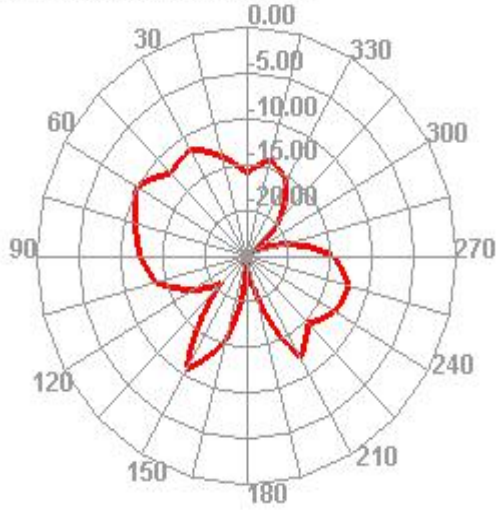
2400.000MHz



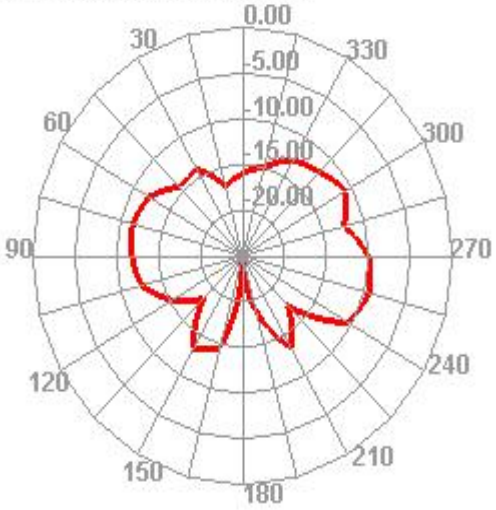
2400.000MHz H



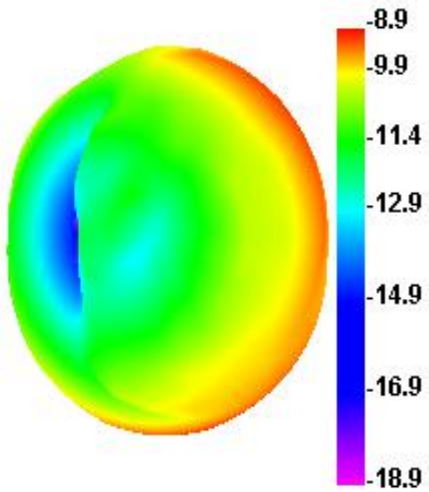
2400.000MHz E1



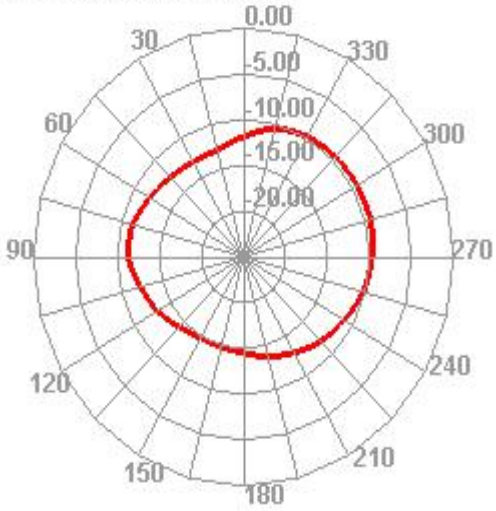
2400.000MHz E2



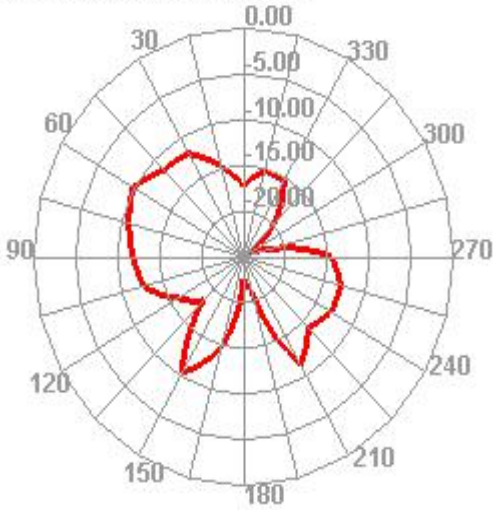
2450.000MHz



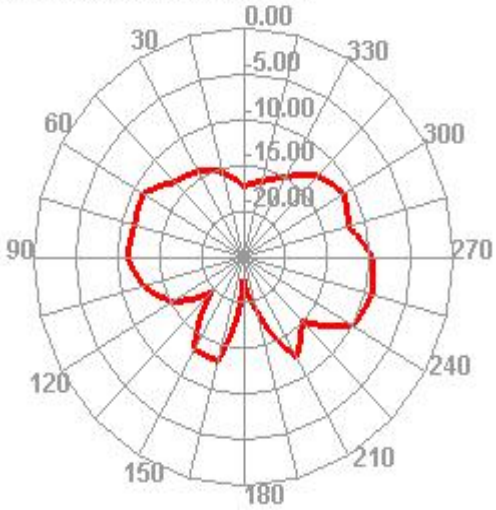
2450.000MHz H



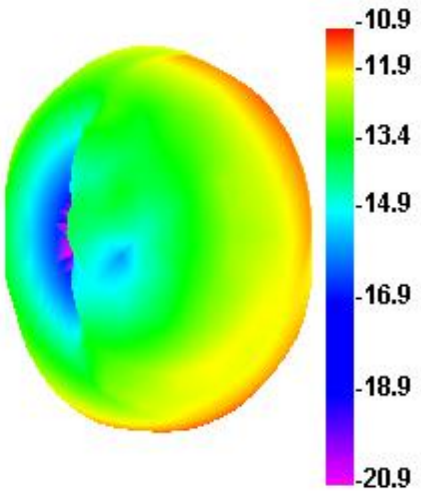
2450.000MHz E1



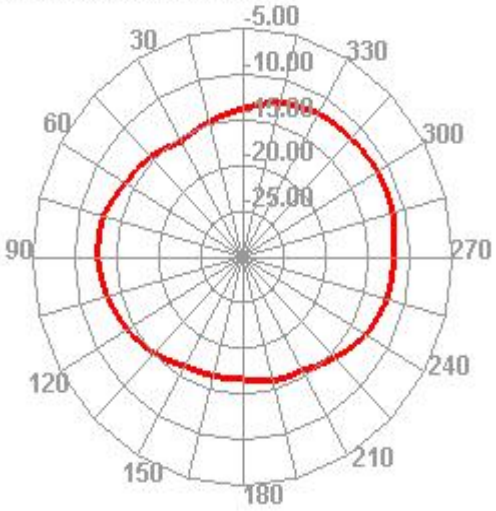
2450.000MHz E2



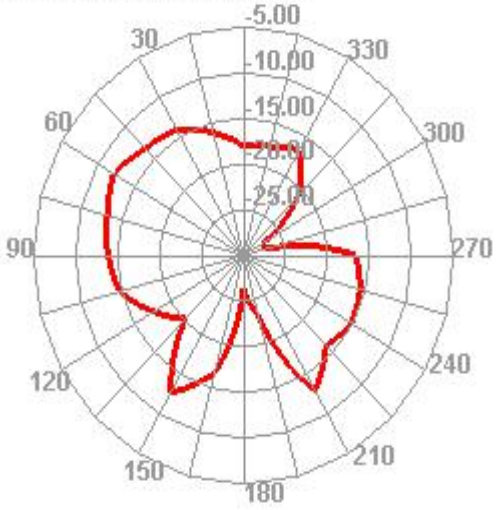
2480.000MHz



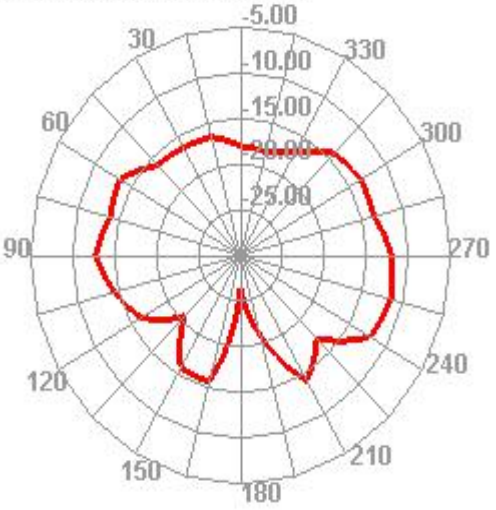
2480.000MHz H



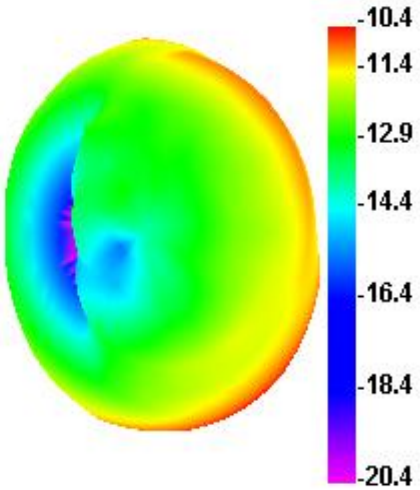
2480.000MHz E1



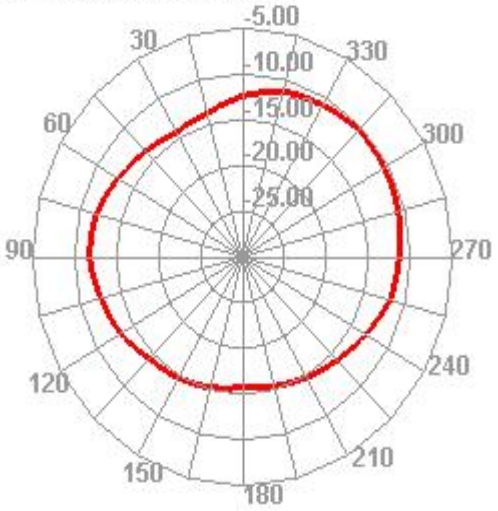
2480.000MHz E2



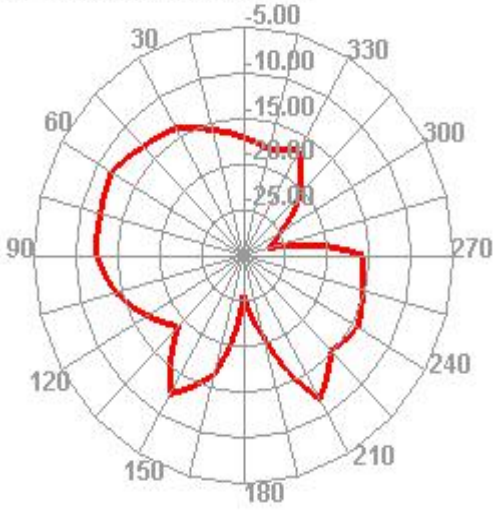
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2