

Shenzhen an Chuang Zhi Lian Electronic Co. , Ltd.

Acknowledgement of antenna sample

Company address: 5F, Building L, Xingdong Baicai Science and Technology Park, Baoan District, Shenzhen City

Clients	Yi xiang		
Customer Model	FPC Antenna		
Material Code			
Version	T:A		
Production date	2023.06.27		
Establishment	RF Audit	Structural Audit	Approved/stamped
Yang jiayuan			
Customer confirmation signature:			

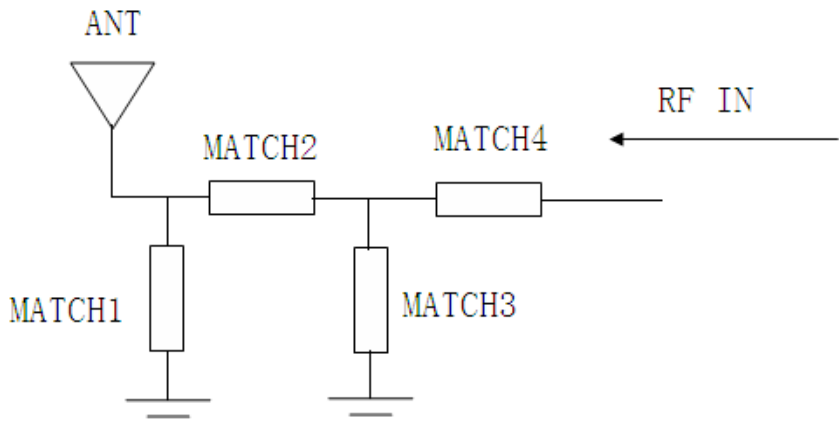
Description of basic project information:

Antenna type	FPC Antenna
Antenna specification	FPC+RF cable+IpeX
Working band	WIFI

1、 The environment is treated as follows:

XH-IOE MPS2440 Test System
23℃
52%
101KPa

3、 Antenna matching circuit



位号	MATCH1	MATCH2	MATCH3	MATCH4
值	NC	0Ω	NC	0Ω

4、 Antenna test equipment

4.1 Schematic diagram of darkroom

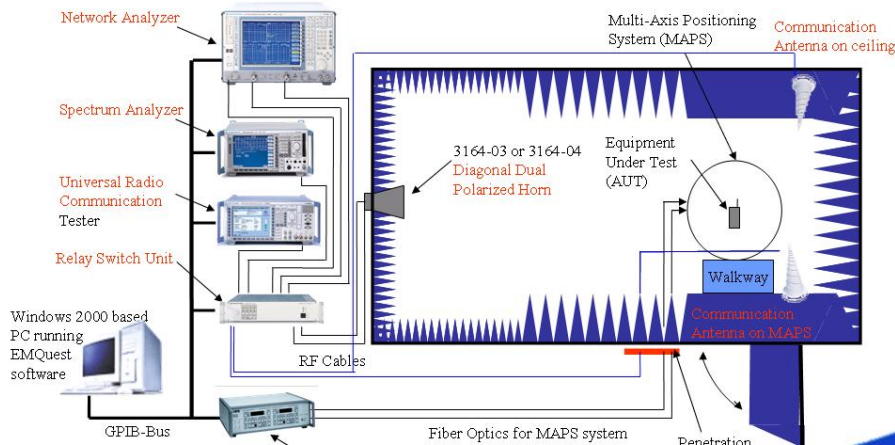


Fig. 1 Assembly and test line diagram of anechoic chamber system

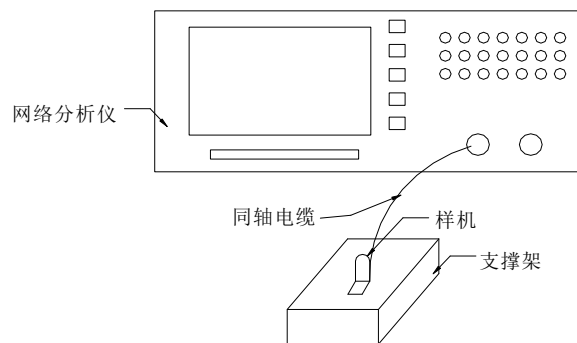


Fig. 2 antenna static test connection method

4.2 Solid diagram of darkroom



Test Instrument

5、Test indicator

WIFI:

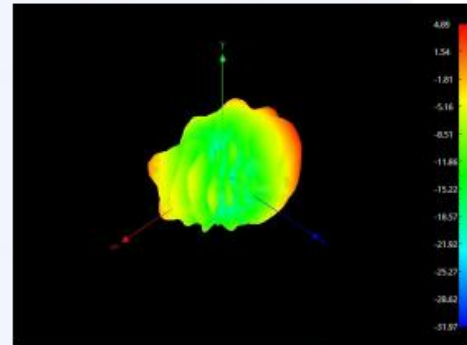
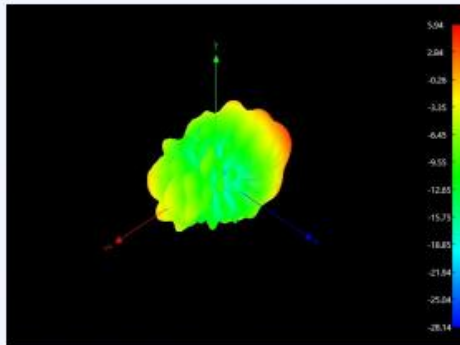
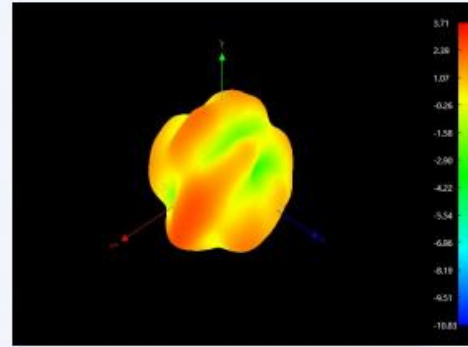
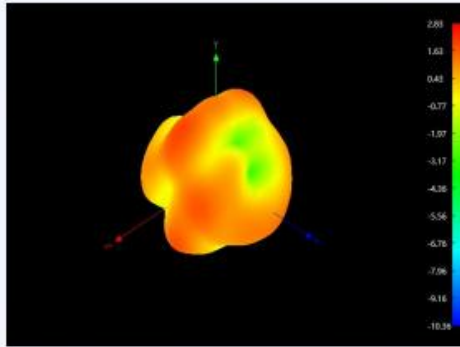
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Band	channel	TRP (dBm)	TIS (dBm)
WIFI-B	1	18.1	
	6	18.4	
	11	18.2	-81.1
WIFI-A	36	14.3	
	149	12.5	-71.8

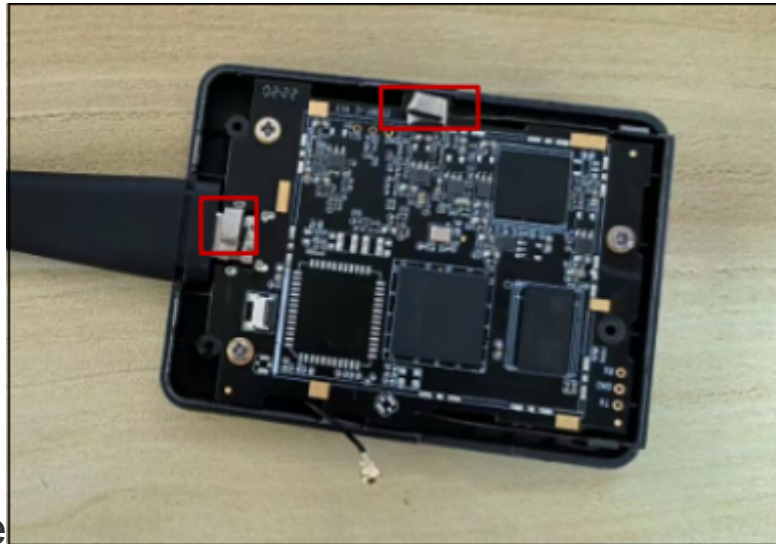
Frequency	Efficiency	Efficiency	Gain/ dBi
2400	-1.84	65.46	2.83
2410	-1.74	66.99	2.85
2420	-1.79	66.22	3.02
2430	-1.85	65.31	2.98
2440	-1.57	69.66	3.58
2450	-1.65	68.39	3.35
2460	-1.84	65.46	3.39
2470	-1.7	67.61	3.5
2480	-1.79	66.22	3.59
2490	-2.04	62.52	3.32
2500	-1.75	66.83	3.71

Frequency	Efficiency	Efficiency	Gain/ dBi
5100	-2.3	58.88	5.94
5150	-2.6	54.95	5.55
5200	-2.44	57.02	5.78
5250	-2.68	53.95	5.37
5300	-2.65	54.33	5.47
5350	-2.56	55.46	5.54
5400	-2.66	54.2	5.52
5450	-2.25	59.57	5.82
5500	-2.37	57.94	5.5
5550	-2.46	56.75	5.67
5600	-2.37	57.94	5.72
5650	-2.6	54.95	5.43
5700	-2.54	55.72	5.39
5750	-2.61	54.83	5.21
5800	-2.93	50.93	4.89

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As shown in the figure, conductive foam is used for



grounding here

