



永辅通科技（上海）有限公司

Forten Technology (ShangHai) Co.,LTD..

Antenna SPEC

Project Name:G5T71

Working Band: WIFI2.4G/5.8G/BT

Forten BOM:

ANT Type	YFT P/N
WIFI/BT Antenna	G5T71-WIFI/BT

Tel: +86-021-20905889

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Shanghai R & D center: Room 203, building 1, No. 3408, Xiupu Road, Pudong New Area, Shanghai.

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1. PROJECT PICTURES

project pictures shown below:



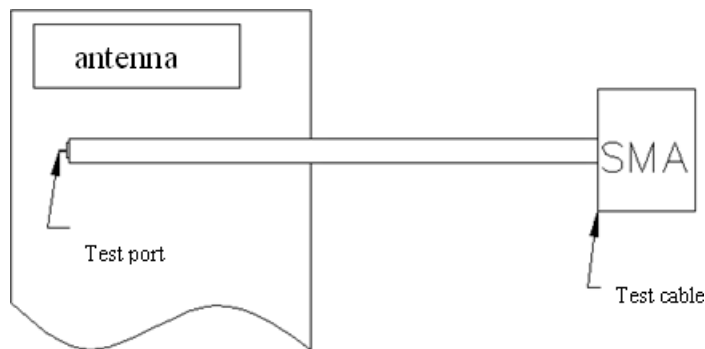
PS:

To ensure that the antenna shipment quality, the final mobile phone Clients validated the antenna's performance, should be kept in our company for at least a year time, facilitate solving antenna amount during abnormal situation.

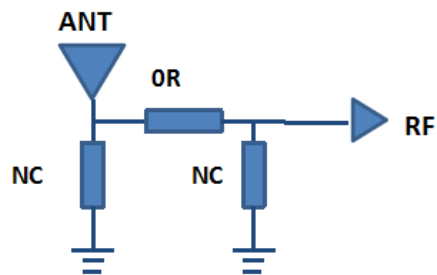
2. TEST FIXTURE

Purpose: To test antenna passive parameters as accurately as possible .

methods: the fixture is to use a 50 ohm coaxial cable, one end is connected to the pad after the antenna 's matching circuit (the front of the antenna switch) , and the other end is connected to the SMA connector.



3. MATCHING CIRCUIT



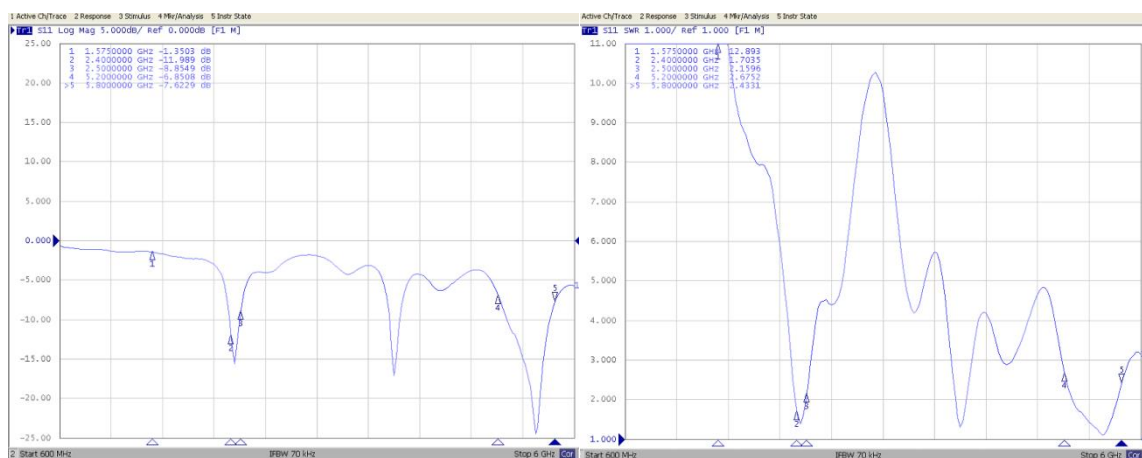
变更: NC

PS: There's a change in the matching circuit.

4. S11 test

4.1 S11 parameter

FRq (MHz)	2400	2500	5150	5850		
Return loss	-11.9	-8.9	-6.9	-7.6		



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5 OTA TEST DATA

5.1 Passive Gain & efficiency:

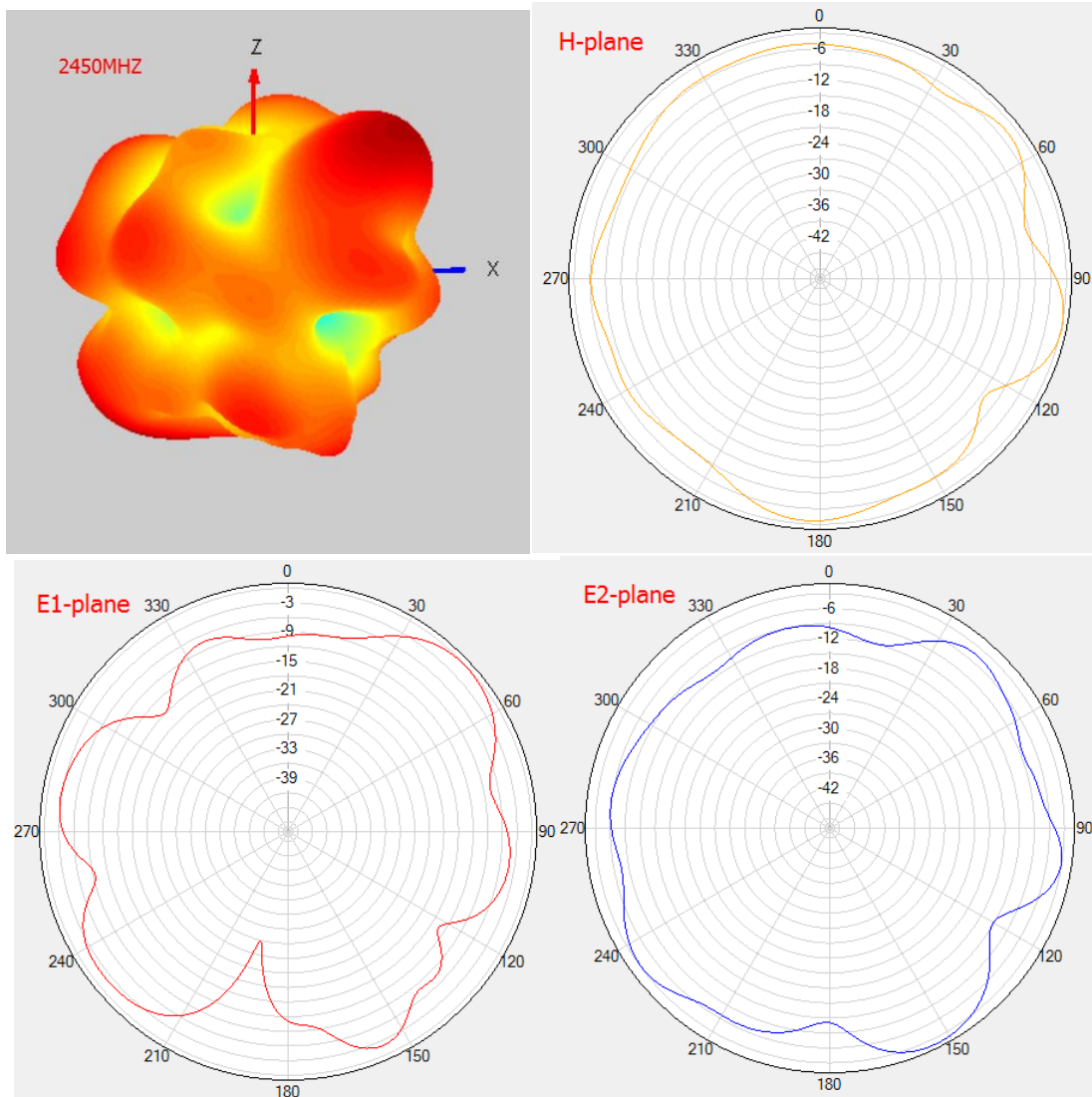
frequency 频率 (MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率 (MHz)	gain 增益(dBi)	efficiency 效率(%)
2400	0.38	30.78	5150	-3.59	13.71
2410	0.4	32.67	5200	-3.58	14.26
2420	0.32	33.25	5250	-3.07	14.61
2430	0.15	31.45	5300	-2.27	16.74
2440	0.13	31.43	5350	-0.96	20.89
2450	0.09	30.98	5400	-0.07	23.2
2460	-0.01	31.29	5450	-0.17	24.64
2470	0.17	31.35	5500	-0.96	21.98
2480	0.06	29.27	5550	-0.54	23.28
2490	0.35	30.13	5600	-0.35	22.13
2500	0.52	30.17	5650	-0.65	19.2
			5700	-0.45	17.81
			5750	-0.4	17.15
			5800	-1.19	14.2
			5850	-1.39	13.37
			5900	-1.61	13.15

5.2 Active OTA test data :

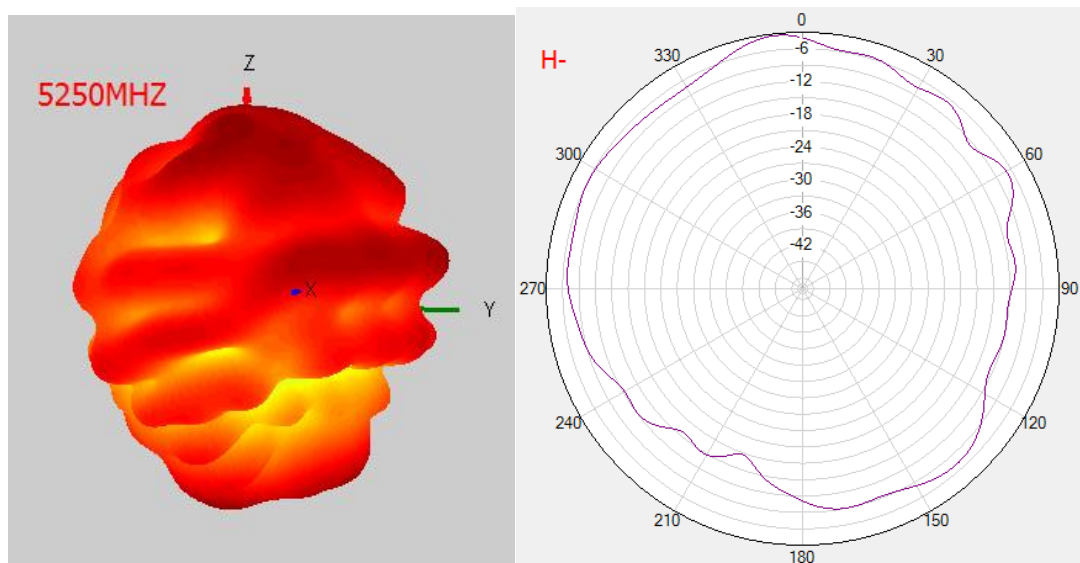
Test Result	Wifi 2G-11b11M			Wifi 5G-11A54M		
	1	7	11	36	64	165
Frequency (MHz)	2412	2442	2462	5180	5320	5825
TRP (dBm)	7.58	8.31	8.28	6.24	5.47	6.31
TIS (dBm)			-83.61			-68.81

6 Radiation Pattern

2450MHZ



5250MHZ

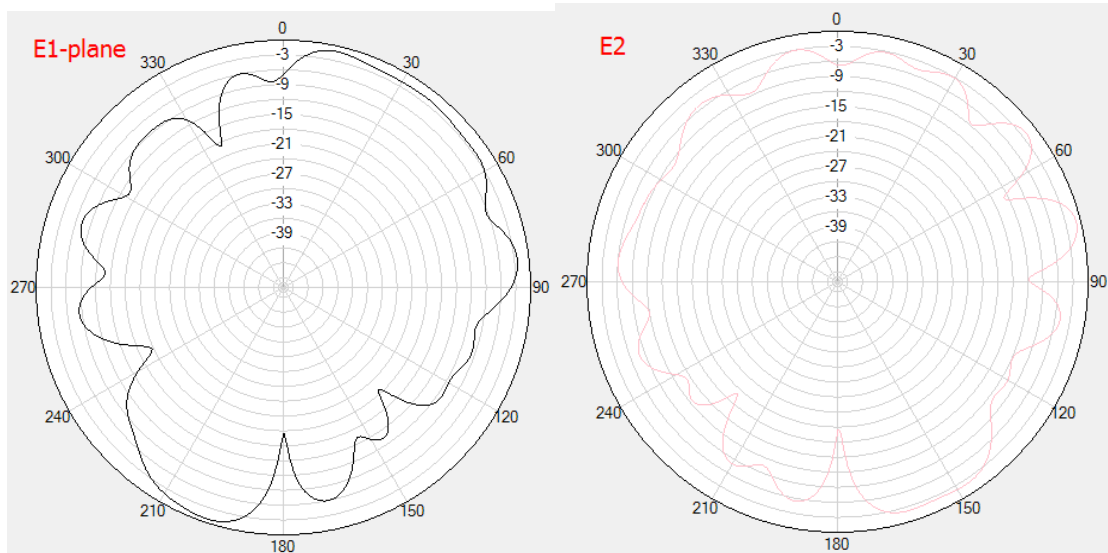


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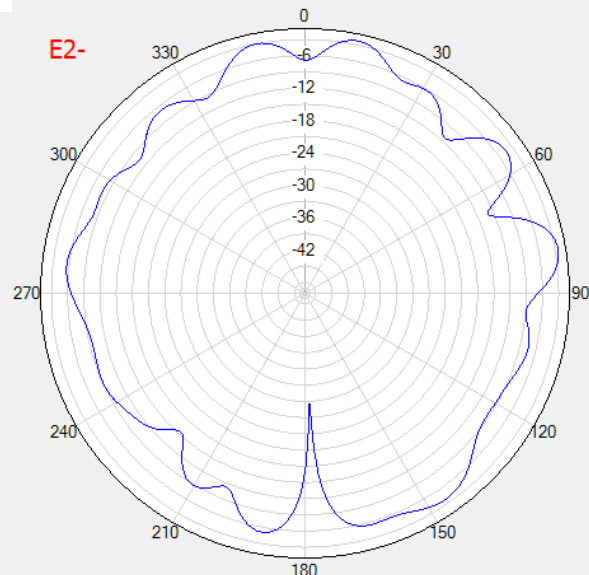
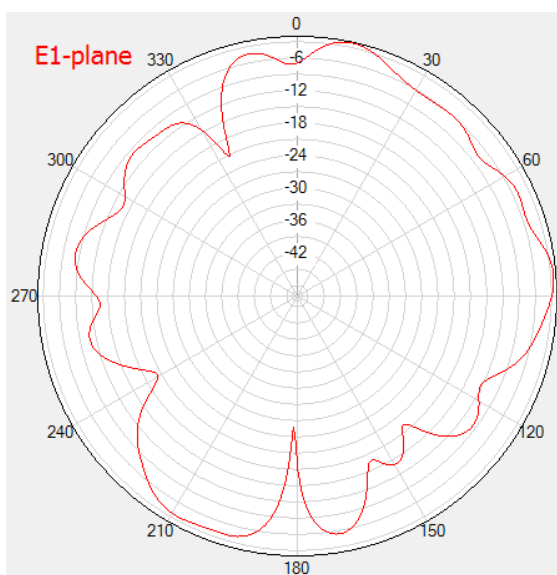
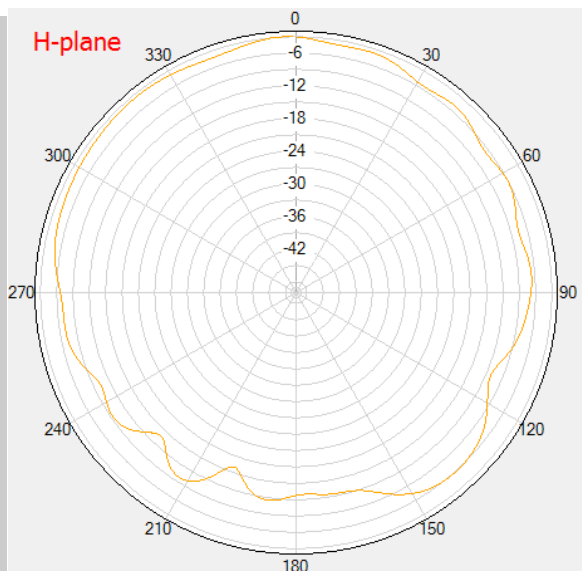
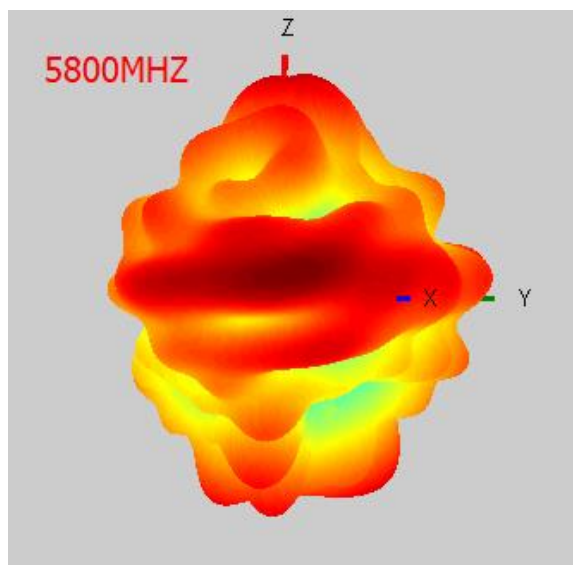
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Forten Technology (Shanghai) Ltd. Company Antenna Specification



5800MHZ

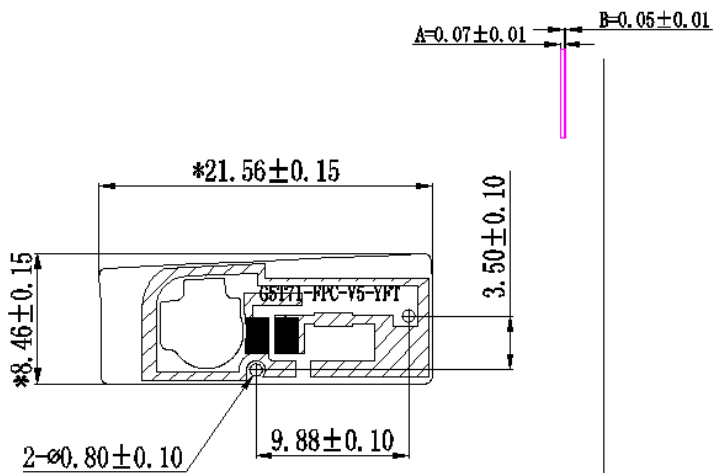


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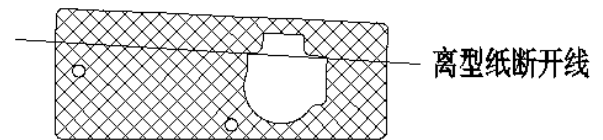
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7 Product Size



走线（正面）



反面(背胶)