



Shenzhen Lxc Electronics Technology Co ., Ltd

Customer:

Project Name: WIFI

F Engineer:

Testing Date: 2025-07-05

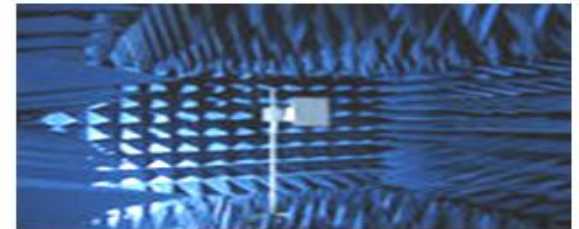
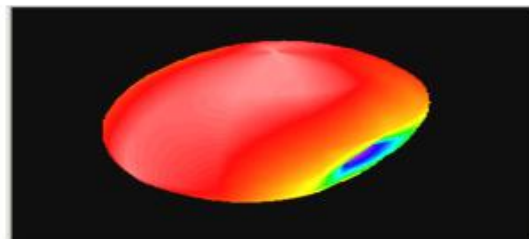
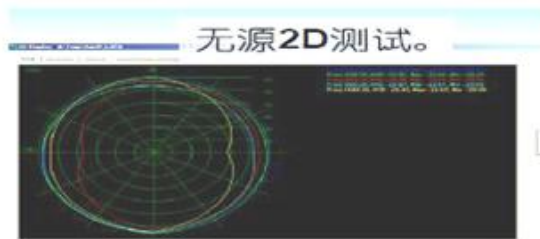
Operating band: WIFI/2.4G/2.5G/5.15G/5.8G

1. Project brief

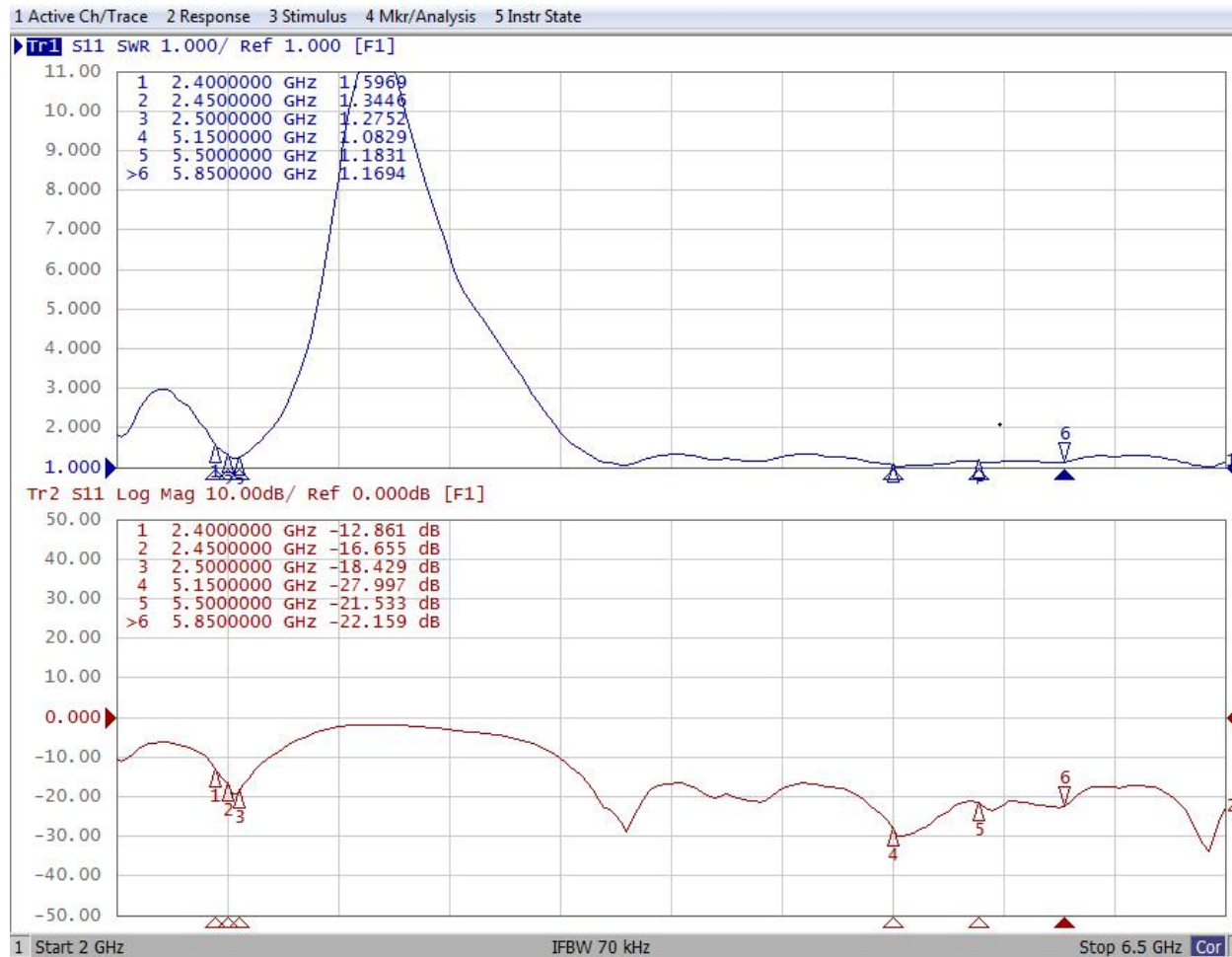
NO.	ITEMS	DETAILS
1	Operating band	WIFI
2	Frequency range	2.4G-2.5G/5.15G-5.85G
3	Antenna Type	FPC
4	The mainboardversion	
5	Input Impedance	50 (Ω)

RF		
ME		

2. Test system and equipment



passive data



SWR-WIFI

Gain Efficiency

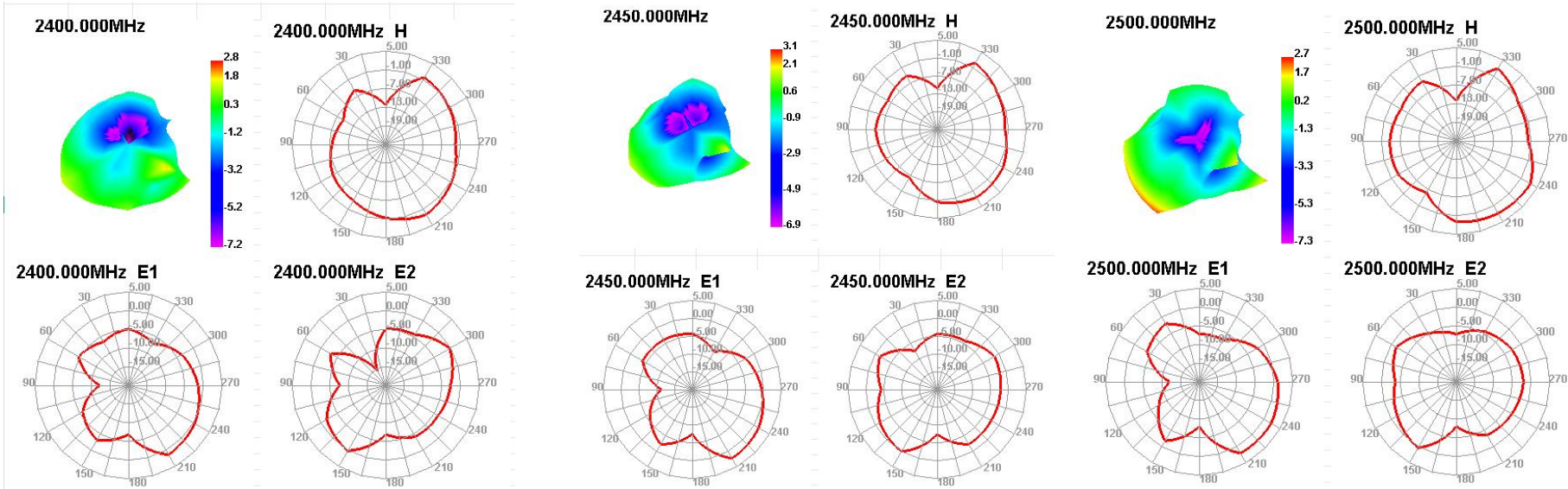
WIFI-2.4G

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	51.34	2.81
2410	50.3	2.53
2420	50.0	2.35
2430	50.1	2.31
2440	55.3	2.74
2450	60.38	3.07
2460	63.82	3.19
2470	62.92	2.91
2480	64.11	2.96
2490	65.43	2.90
2500	65.83	2.75

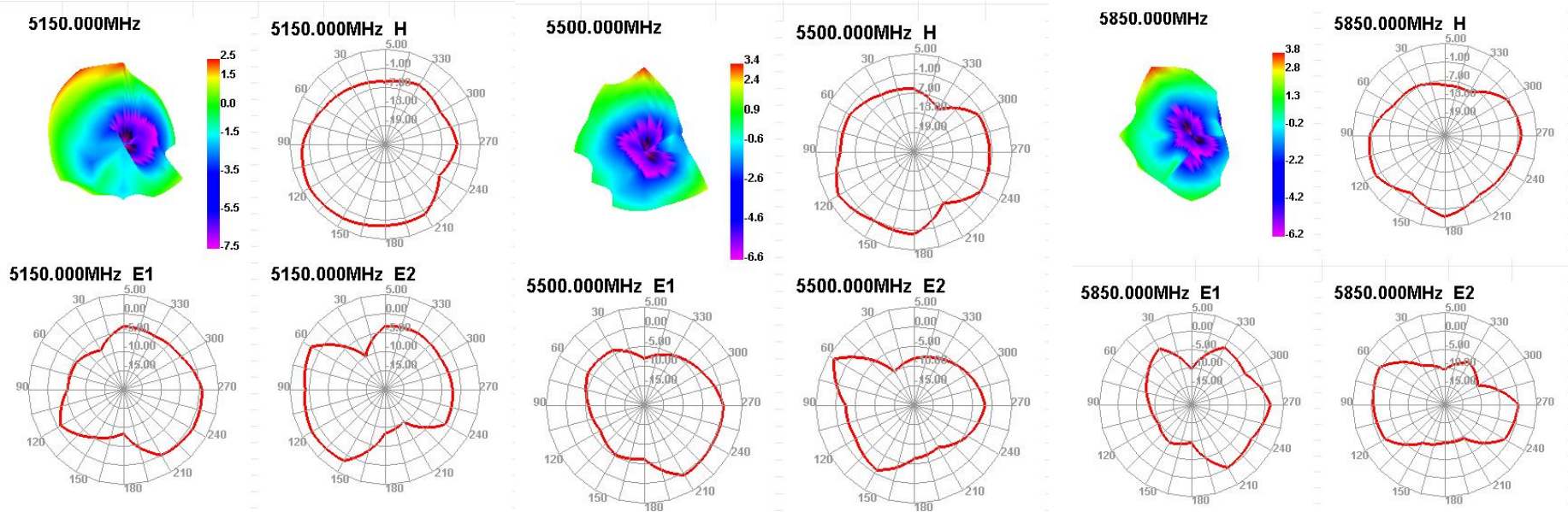
WIFI-5G

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	63.3	2.52
5350	66.31	3.46
5550	55.09	2.81
5650	55.48	2.76
5850	54.62	3.75

Apple map direction map WIFI-2.4G



WIFI-5G



Active data

WiFi(2.4G/B)	CH	TRP-(11M)	TIS-(11M)	WiFi(5G/A)	CH	TRP-(54M)	TIS-(54M)
	1	16.1			36	14.0	
	6	15.5			149	16.7	
	11	15.0	-80.0		165	16.0	-70.2

B-mode-1 channel data transmission

B-modulo-11 channel conducted data

