



Shenzhen Lxc Electronics Technology Co ., Ltd

Customer:

Project Name: WIFI/BT

F Engineer:

Testing Date: 2025-07-05

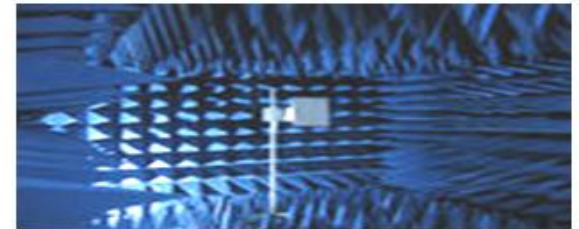
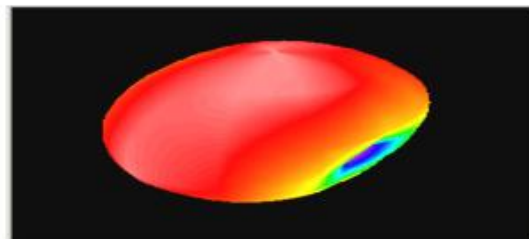
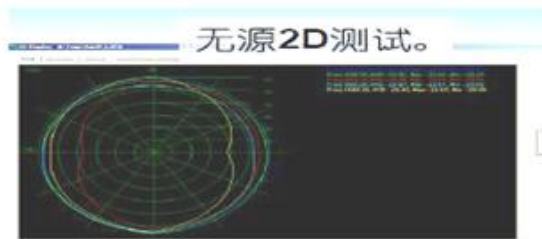
**Operating band: WIFI/2.4G/2.5G/5.15G/5.8G
BT/2.4G/2.5G**

1. Project brief

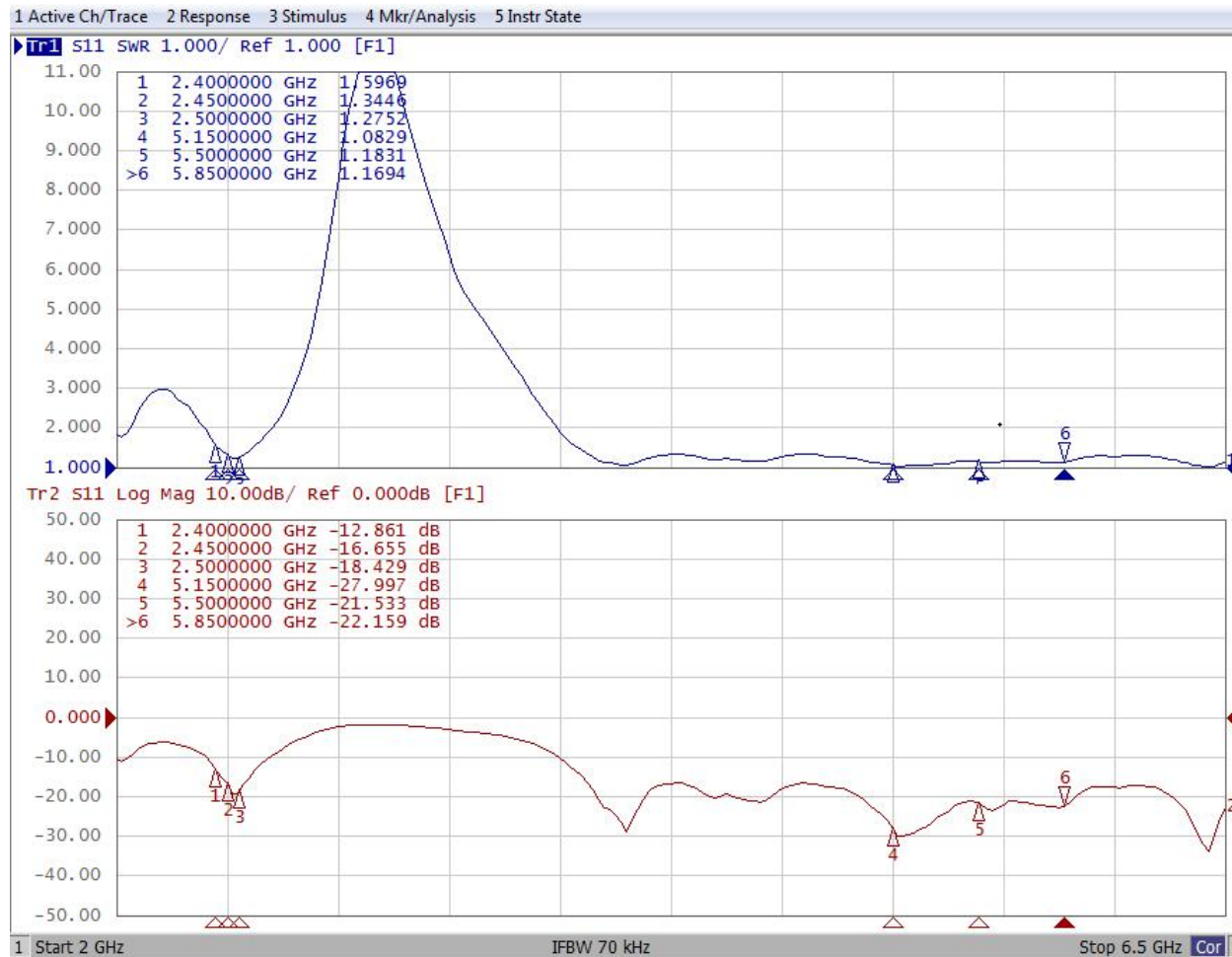
NO.	ITEMS	DETAILS
1	Operating band	WIFI-BT
2	Frequency range	2.4G-2.5G/5.15G-5.85G
3	Antenna Type	FPC
4	The mainboardversion	
5	Input Impedance	50 (Ω)

RF		
ME		

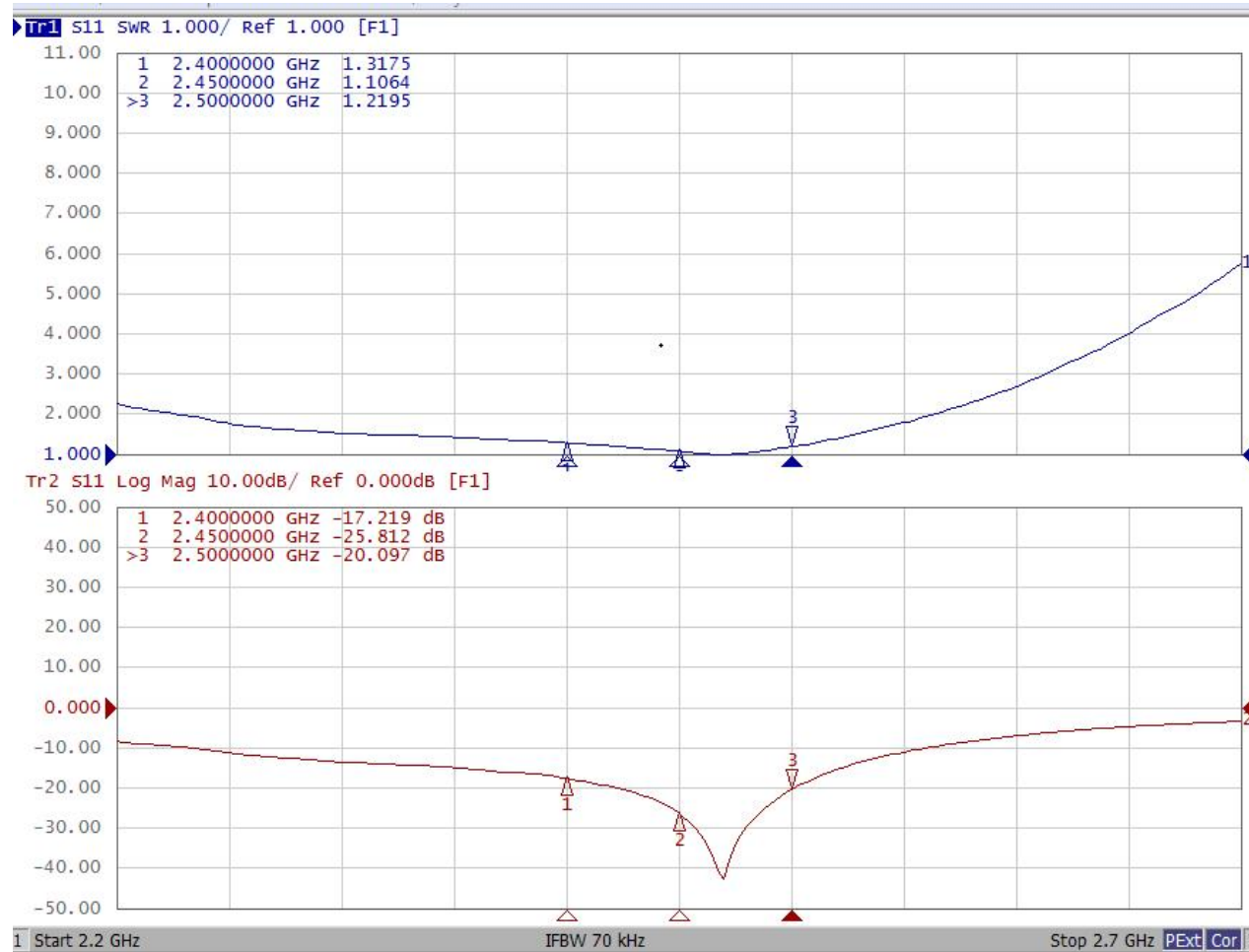
2. Test system and equipment



passive data



SWR-WIFI



SWR-BT

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

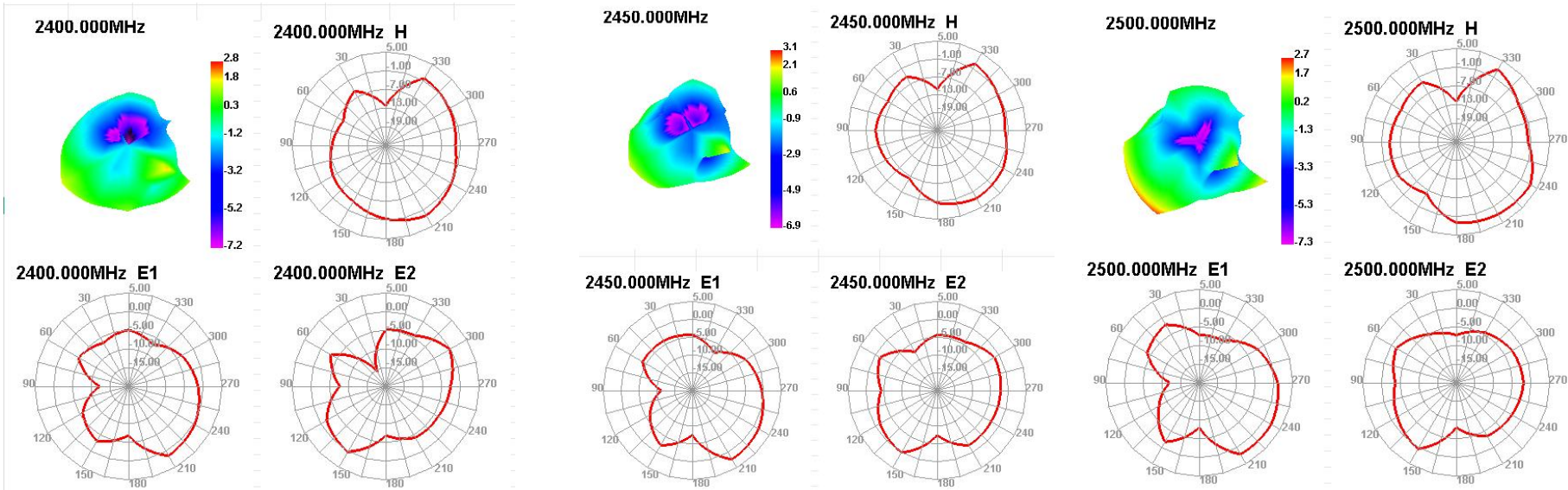
BT-2.4G

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	48.94	4.4
2410	49.41	4.44
2420	47.41	4.23
2430	47.68	4.22
2440	51.93	4.67
2450	51.33	4.63
2460	52.93	4.76
2470	52.96	4.71
2480	50.23	4.39
2490	50.86	4.34
2500	51.22	4.26

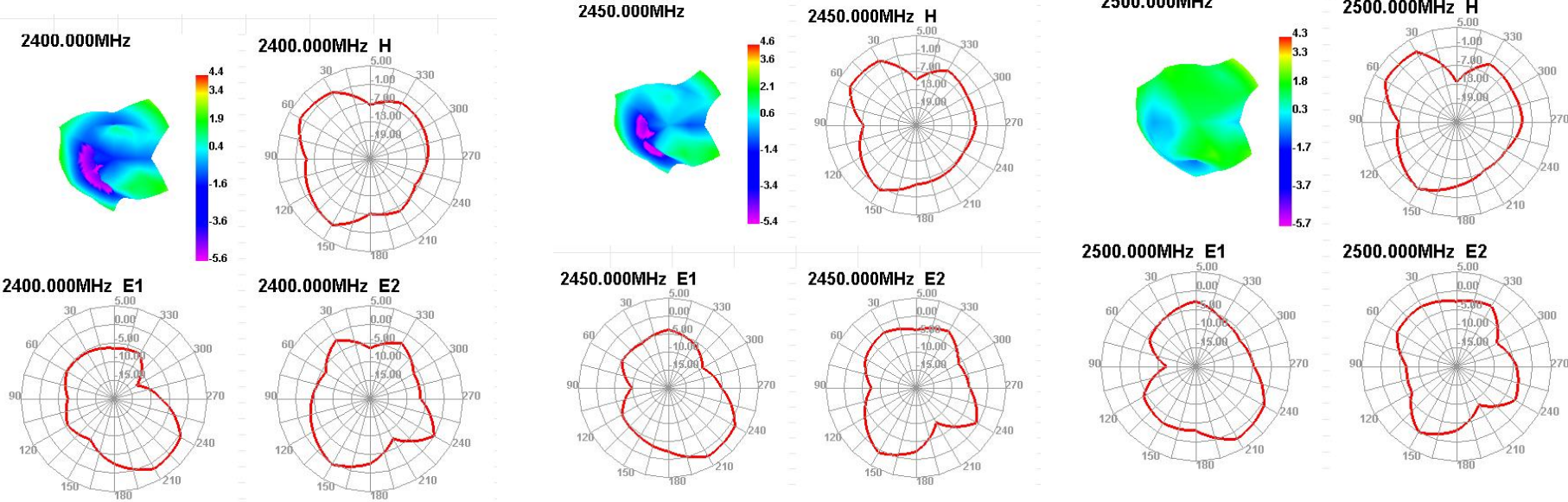
WIFI-5G

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

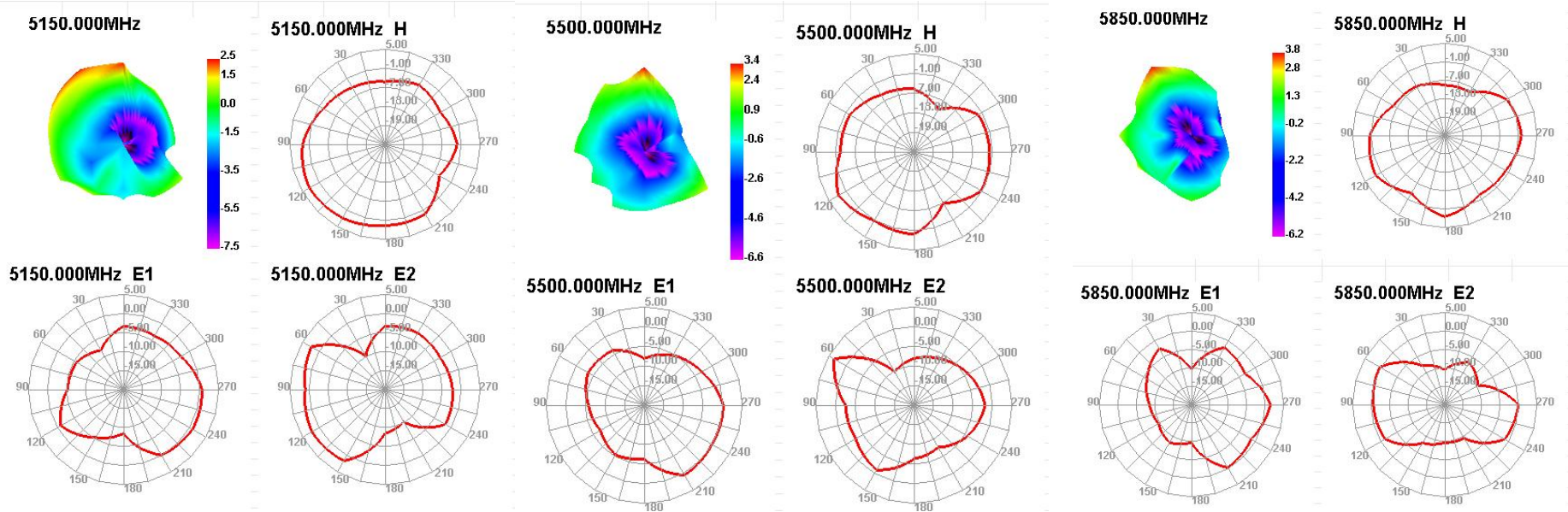
Apple map direction map WIFI-2.4G



BT-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

