



Shenzhen Lxc Electronics Technology Co ., Ltd

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Customer: Model:CL11V1

F Engineer: Testing Date:2025-08-09

Operating band: BT 2.4G,WIFI 2.4G/5G

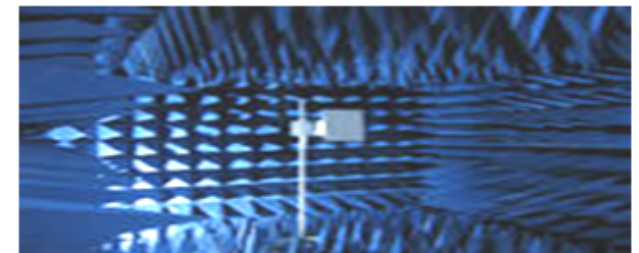
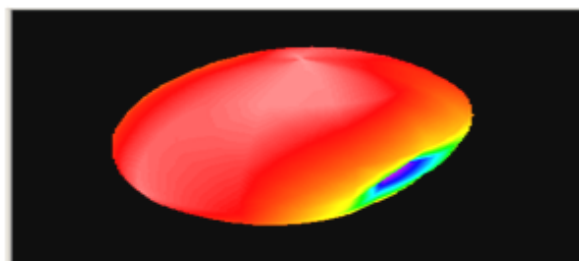
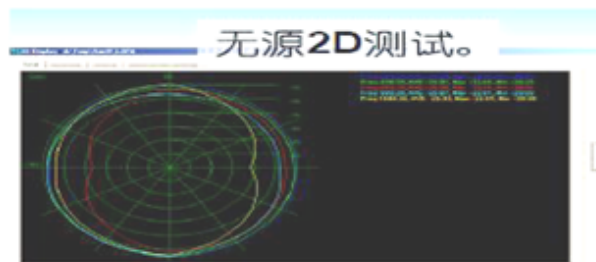
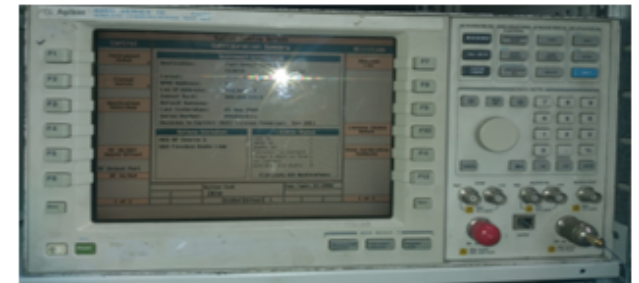
1. Project brief

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

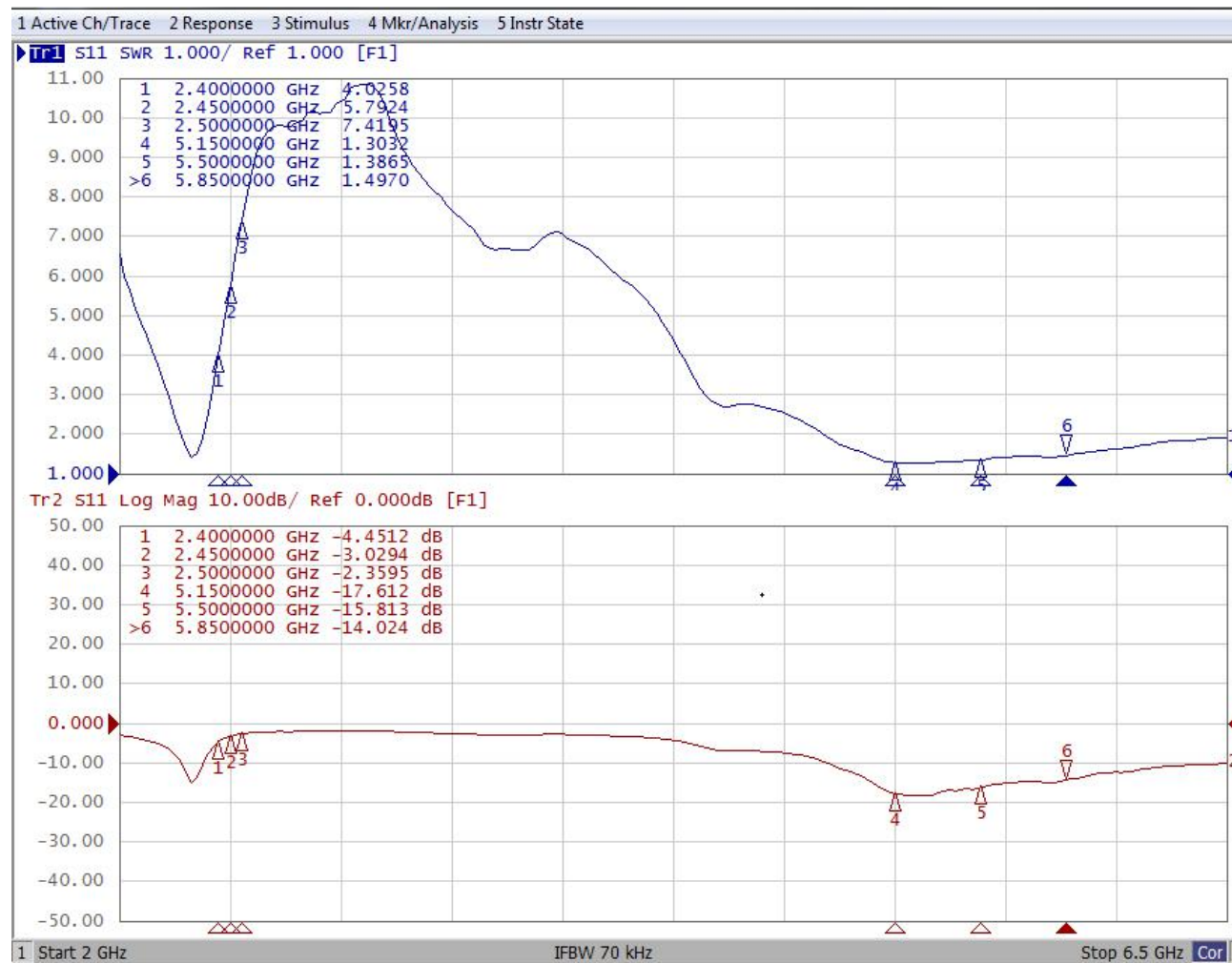
RF		
ME		

2. Test system and equipment

	test 'artamz	dr'vars
一. Project Chart	二.Antenna Matching	netw3:k'ænalarzad: HP 8753D/E5071C
三. passive data	四. Gain Efficiency	GSM : Agilent 8960 E5515C LTE : 8820C/CMW500
五. Apple map direction map	六. Active data 七 Environment Processing	1. da:kru:m: 7x4x3 m (ETS-3D) 2. netw3:k'ænalarzad: HP 8753D



≡. passive data



SWR-WIFI

四. Gain Efficiency

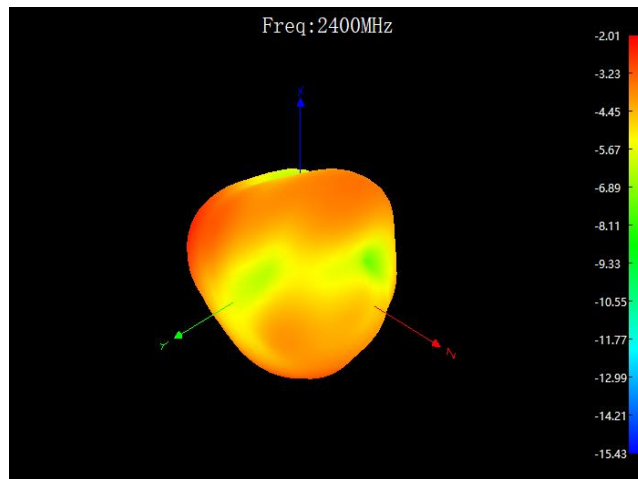
Frequency/MHz	MaxGain/dBi
2400	-2.01
2410	-1.86
2420	-2.99
2430	-3.95
2440	-3.44
2450	-4.34
2460	-3.63
2470	-4.02
2480	-3.8
2490	-4.46
2500	-4.56
5150	3.42
5200	3.5
5250	3.31
5300	3.22
5350	3.87
5400	3.85
5450	3.75
5500	4.31
5550	5.02
5600	4.26
5650	4.12
5700	4.02
5750	4.38
5800	3.68

Gain

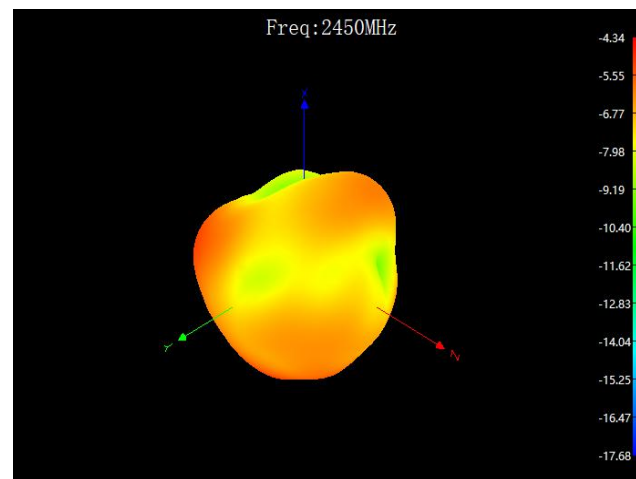
Frequency/ Mhz	Efficiency / %
2400	24.04
2410	22.44
2420	17.78
2430	15.52
2440	16.63
2450	14.26
2460	15.52
2470	12.68
2480	13.18
2490	10.69
2500	10.76
5150	47.32
5200	47.1
5250	48.42
5300	45.71
5350	48.98
5400	45.81
5450	45.19
5500	46.77
5550	48.19
5600	44.46
5650	46.45
5700	47.86
5750	48.64
5800	45.92

Efficiency

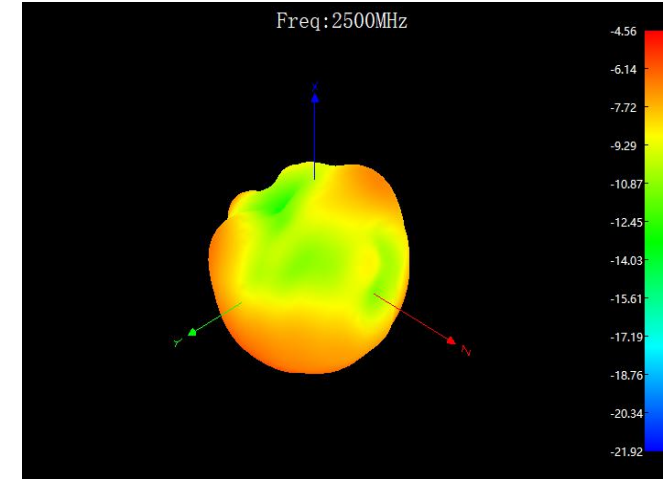
五. Apple map direction map



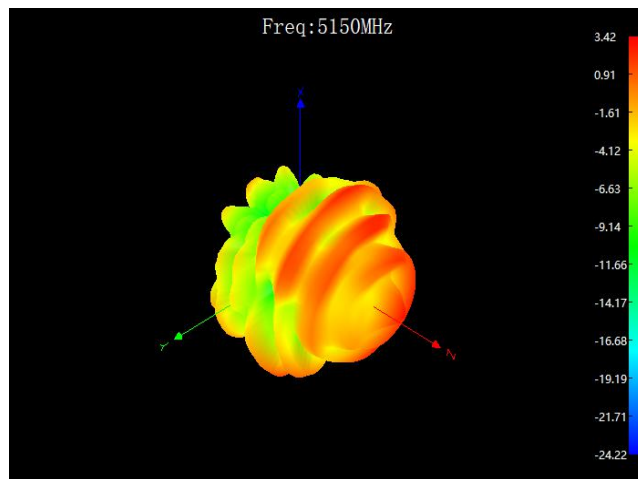
2400MHZ



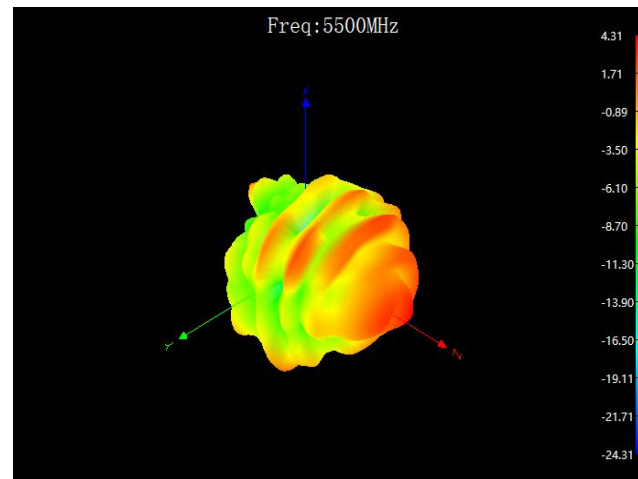
2450MHZ



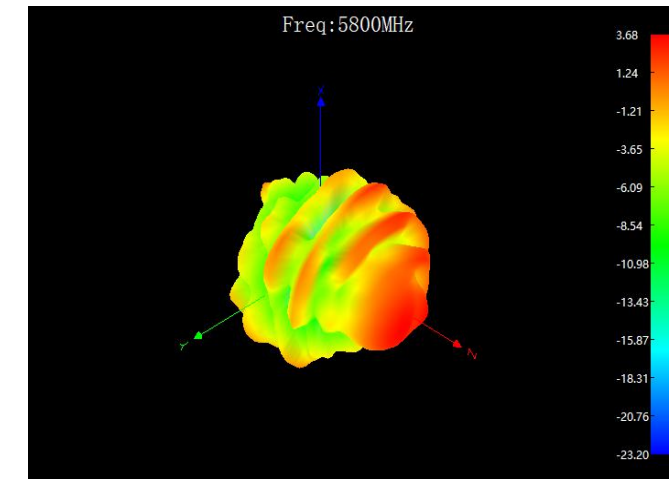
2500MHZ



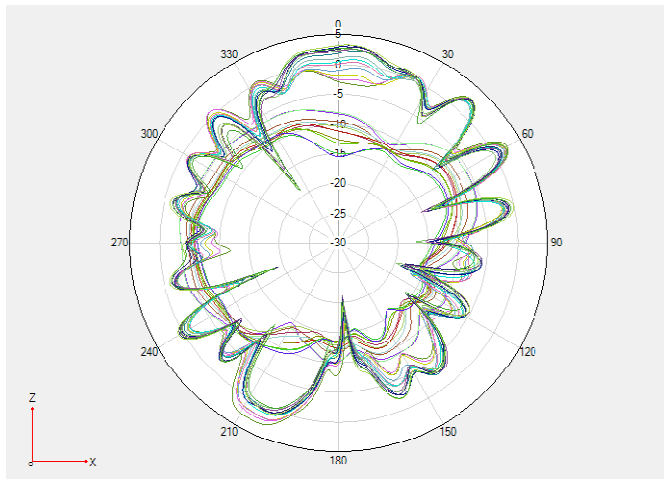
5150MHZ



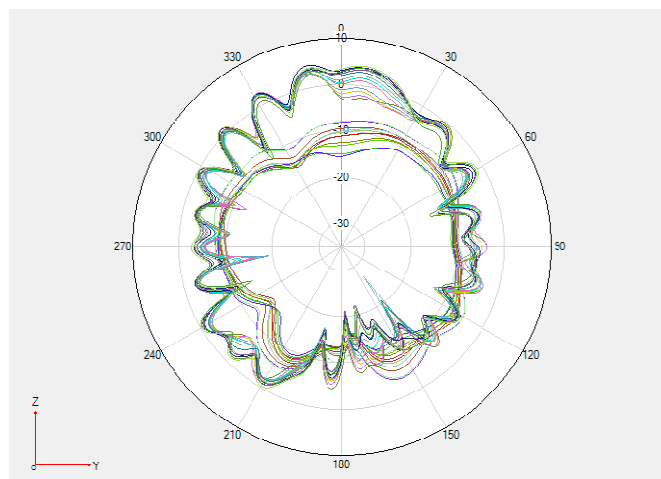
5500MHZ



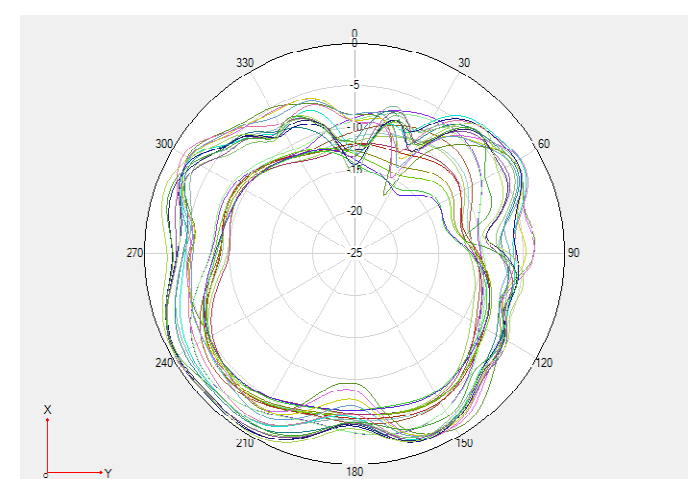
5800MHZ



Z-X



Z-Y

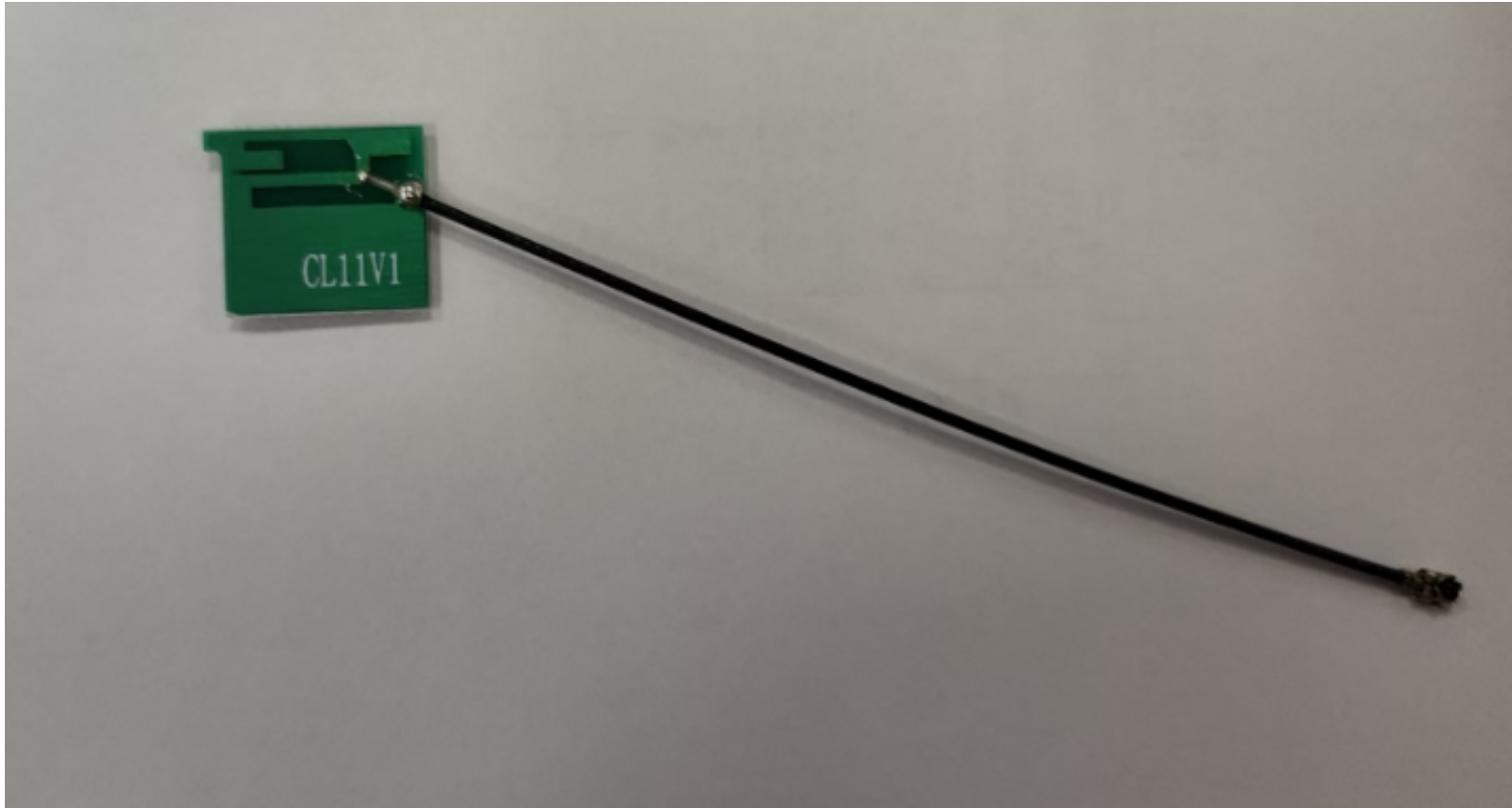


X-Y

六. Active data

WiFi(2.4G/B)	CH	TRP-(11M)	TIS-(11M)	WiFi(5G/A)	CH	TRP-(54M)	TIS-(54M)
	1	15.0			36	15.0	
	6	15.0			149	17.8	
	11	14.9	-70.8		165	19.0	-46.6

7. Environment Processing



Stick the antenna in the middle of the shell according to the diagram

