



Shenzhen Lxc Electronics Technology Co ., Ltd

Customer:

F Engineer:

Testing Date:2025-07-05

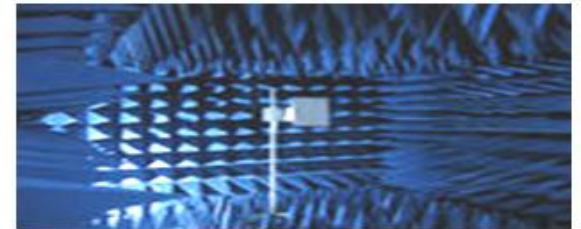
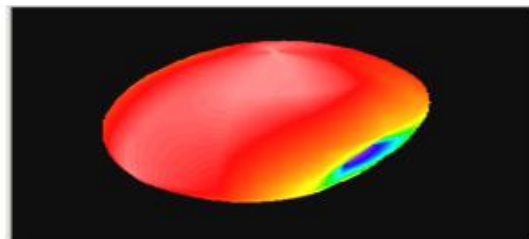
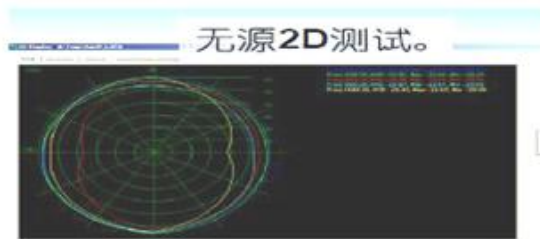
Operating Band:BT 2.4G

1. Project brief

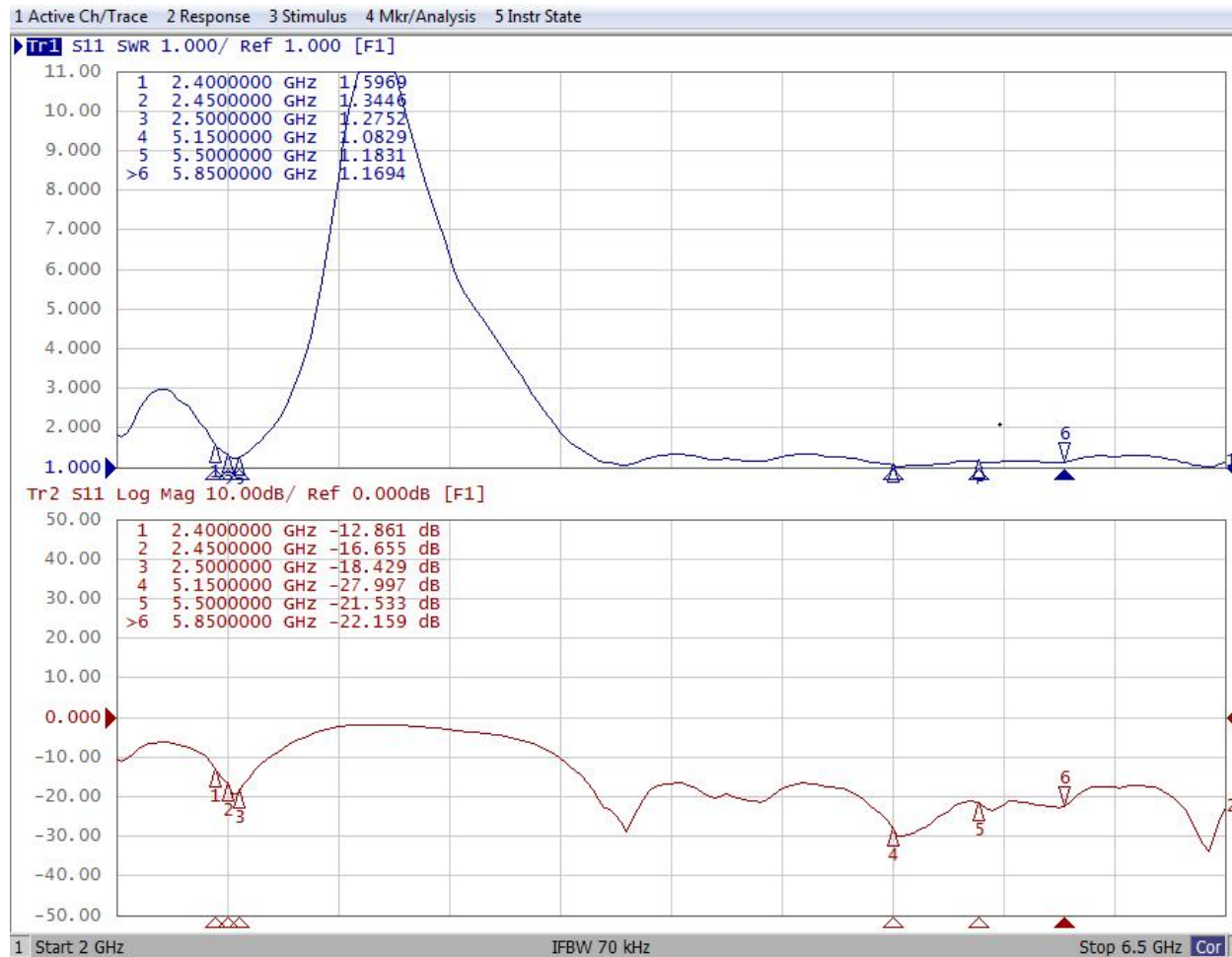
NO.	ITEMS	DETAILS
1	Operating band	BT
2	Frequency range	2.4G-2.5G
3	Antenna Type	FPC
4	The mainboardversion	
5	Input Impedance	50 (Ω)

RF		
ME		

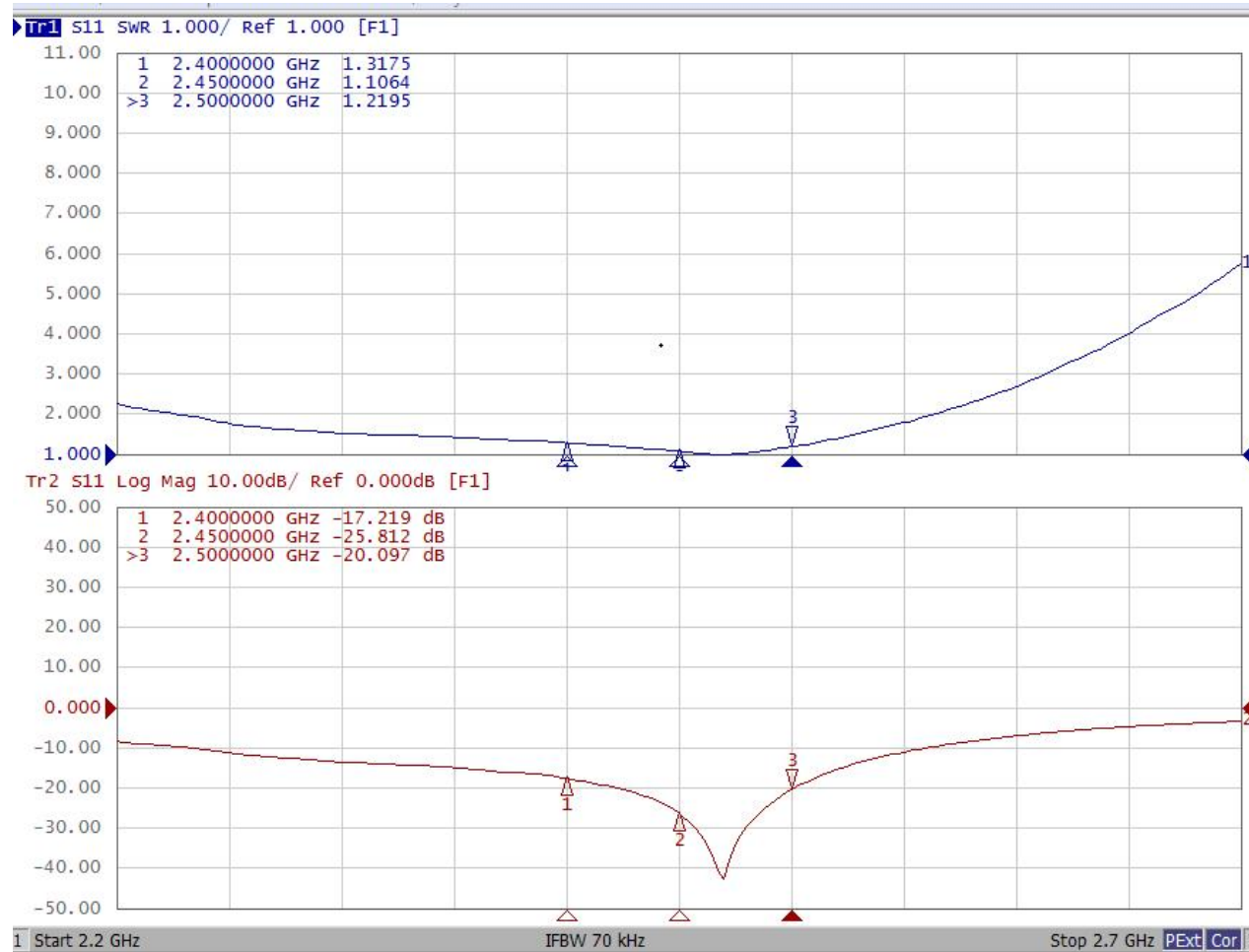
2. Test system and equipment



passive data



SWR-WIFI



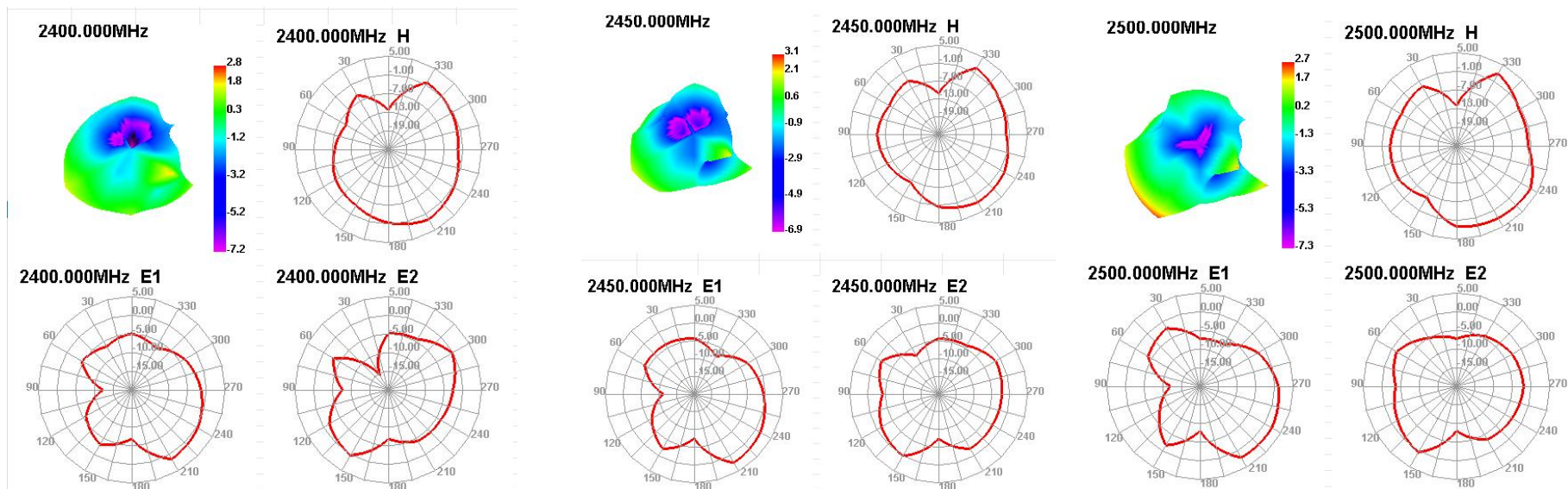
SWR-BT

Gain Efficiency

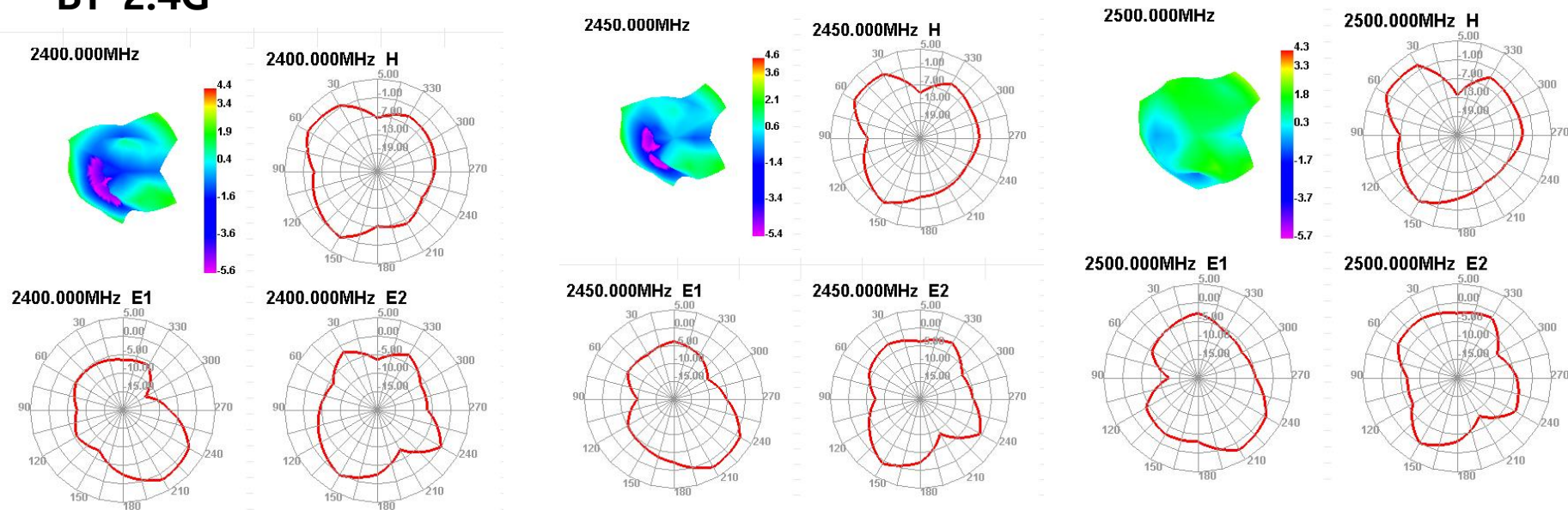
BT-2.4G

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

Apple map direction map 2.4G



BT-2.4G

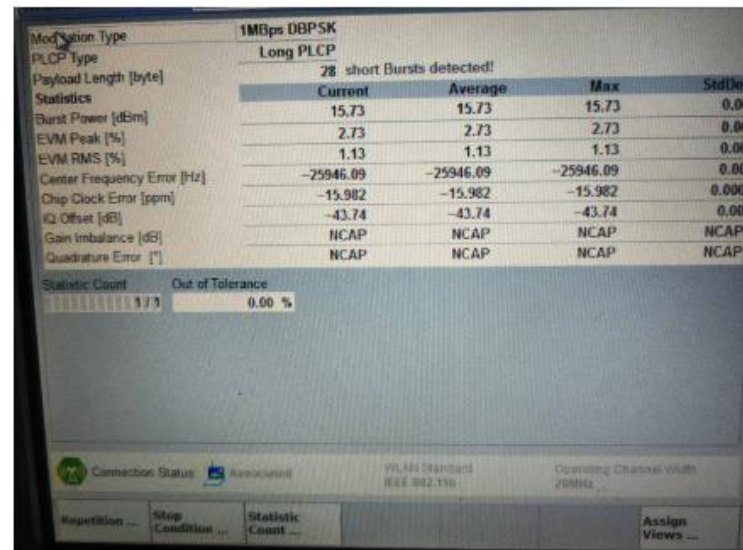
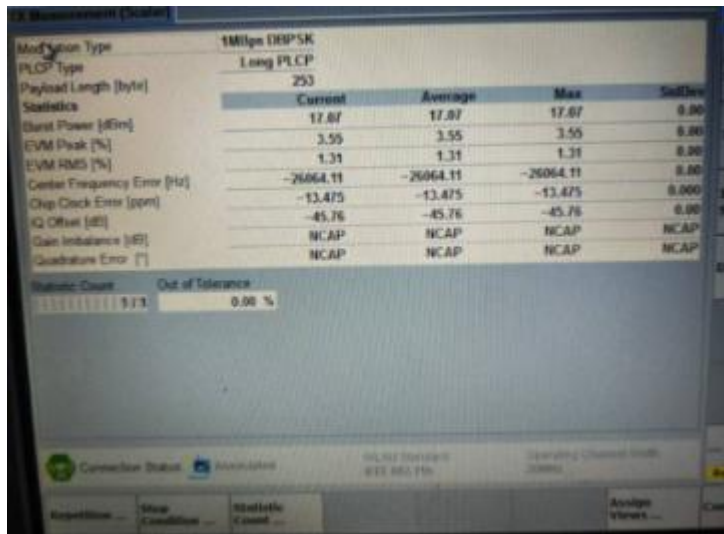


Active data

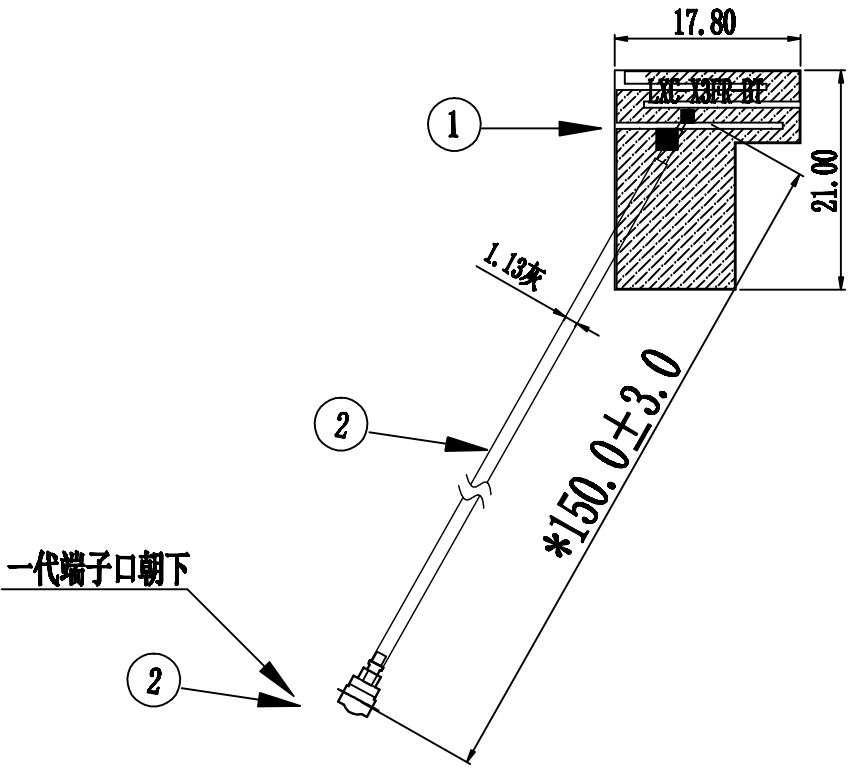
WiFi(2.4G/B)	CH	TRP-(11M)	TIS-(11M)	WiFi(5G/A)	CH	TRP-(54M)	TIS-(54M)
	1	16.1			36	14.0	
	6	15.5			149	16.7	
	11	15.0	-80.0		165	16.0	-70.2

B-mode-1 channel data transmission

B-modulo-11 channel conducted data



5		6	
标记	签 名	修改内容	日期



4				
3	端子	一代-1.13灰		
2	cable	Φ1.13mm Cable, 灰色,50Ω,双铜线材		
1	FPC	FPC		
NO.	DESCRIPTION	MATERIAL	REMARKS	QTY

备注:

- 1. 标注“*”为重点尺寸, 未标公差尺寸按照±0.15检测
- 2. 未标注尺寸请依图纸。
- 3. 符合ROHS 2.0无卤

深圳市连兴创电子科技有限公司										
 第三视角				项目名称	X3FR-BT天线	日期	2025-08-19			
0~3	±0.05		0.03	产品名称		设计				
3~30	±0.08		0.03							
30~50	±0.10		∅0.02	产品料号	WZZ010031002	审核	MD	唐红交		
50~80	±0.12		0.02				RF			
角度	±1°		0.05	材料	FPC	批准				
第 1 页, 共 1 页						单位	mm	比例	1:1	版本