



深圳市连兴创电子科技有限公司（研发部）

Shenzhen Lxc Electronics Technology Co., Ltd

Customer:

Project Name: X1AA

F Engineer: 温

Testing Date: 2025-09-09

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

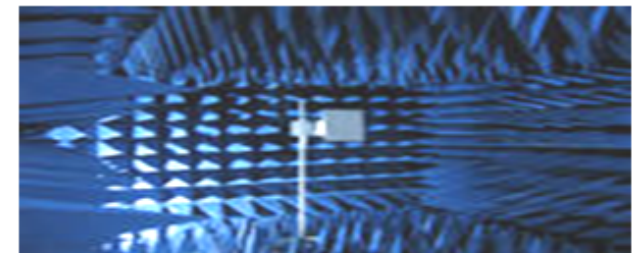
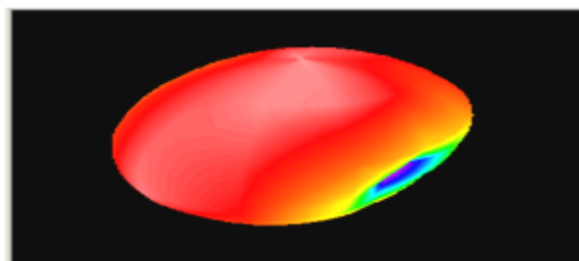
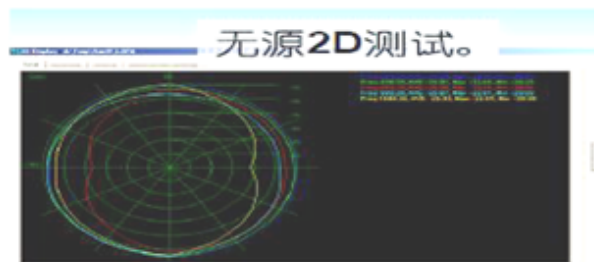
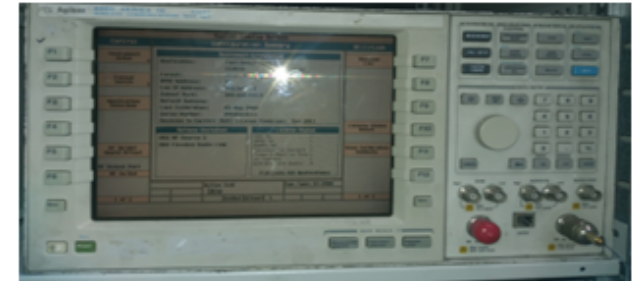
1. Project brief

NO.	ITEMS	DETAILS
1	工作频段 Operating band	WIFI-BT
2	频率范围 Frequency range	2.4G-2.5G/5.15G-5.85G
3	天线类型 Antenna Type	内置FPC
4	主板版本 The mainboardversion	
5	输入阻抗 Input Impedance	50 (Ω)

RF	温	13048903292
ME	唐红交	137 1359 3032

2. Test system and equipment

	测试项目	设备
一. 项目图 Project Chart	二. 天线匹配Antenna Matching	网络分析仪: HP 8753D/E5071C
三. 无源数据 passive data	四. 增益效率 Gain Efficiency	GSM 测试仪: Agilent 8960 E5515C LTE 测试仪: 8820C/CMW500
五. 苹果图方向图 Apple map direction map	六. 有源数据 Active data 七. 环境处理 Envionmentltreatment	1. 暗室: 7x4x3 m (ETS-3D) 2. 网络分析仪: HP 8753D



一.项目图Project Chart

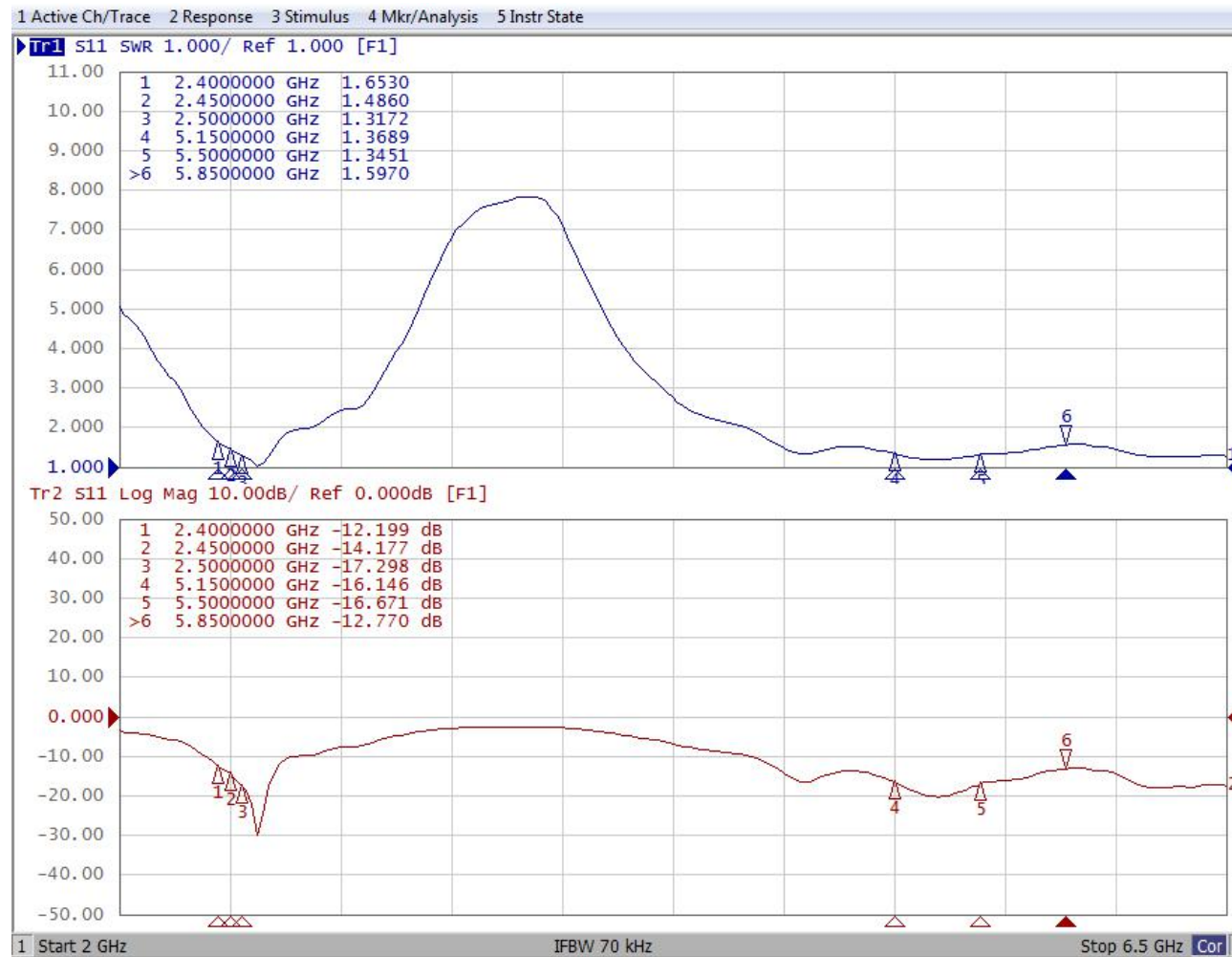


二.天线匹配Antenna Matching

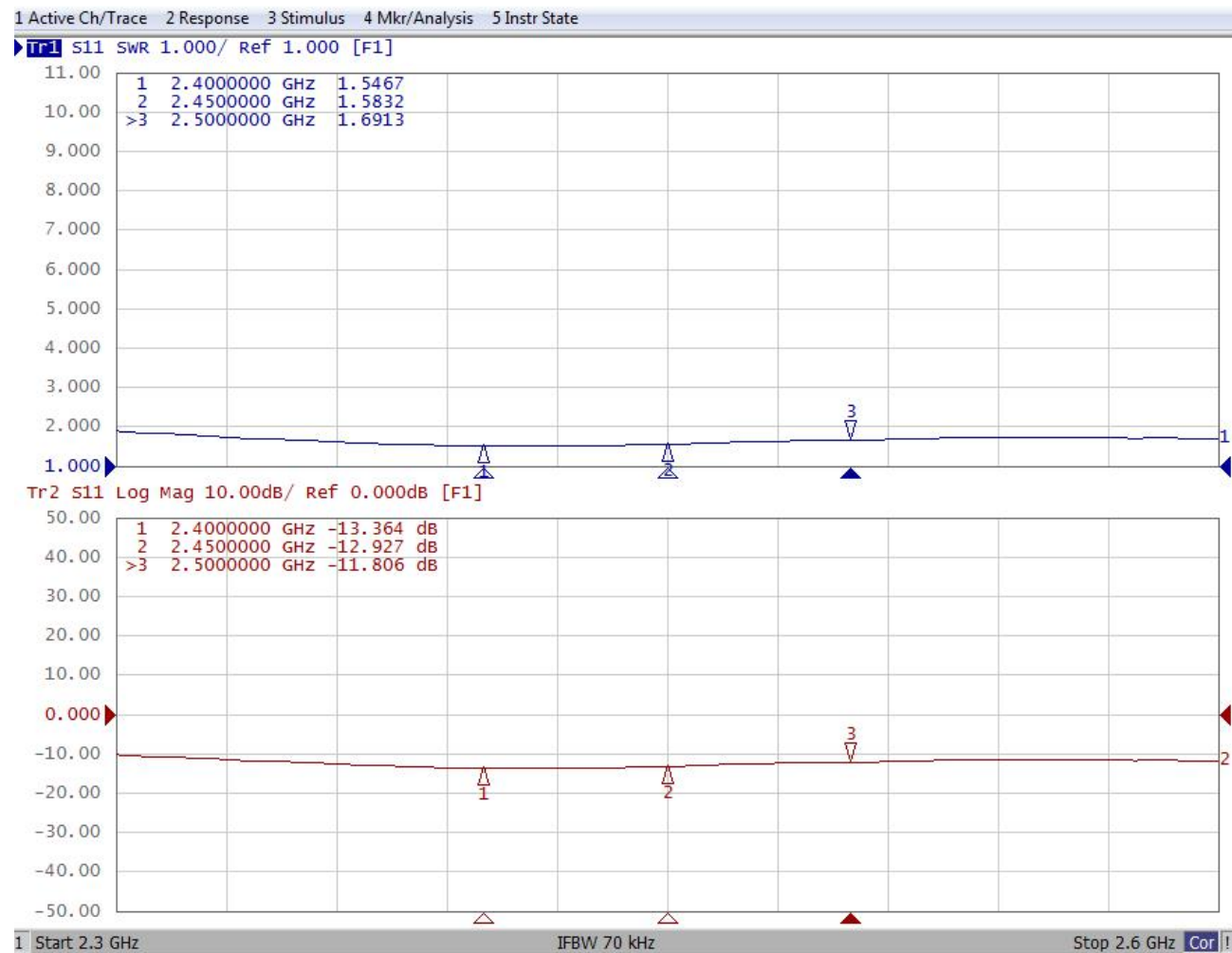


天线匹配未改动

三.无源数据 passive data



SWR-AW2



SWR-AW1

四. 增益效率 Gain Efficiency

AW2-2.4G

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	52.83	2.94
2410	51.57	2.87
2420	52.63	3.03
2430	53.06	3.07
2440	56.94	3.33
2450	58.78	3.41
2460	60.73	3.49
2470	63.27	3.57
2480	62.71	3.42
2490	61.92	3.18
2500	63.45	3.25

AW1-2.4G

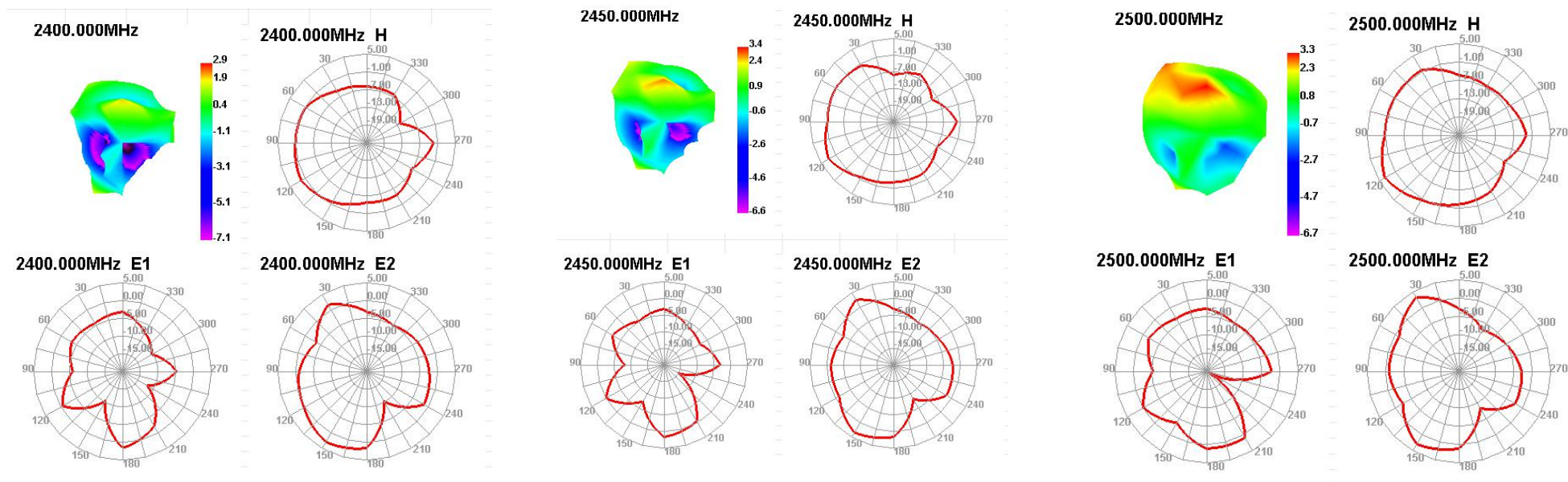
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	49.05	1.02
2410	47.27	1.16
2420	49.21	1.58
2430	49.64	1.79
2440	52.93	2.04
2450	53.89	2.16
2460	55.66	2.38
2470	56.99	2.58
2480	55.45	2.58
2490	55.29	2.77
2500	57.64	3.06

AW2-5G

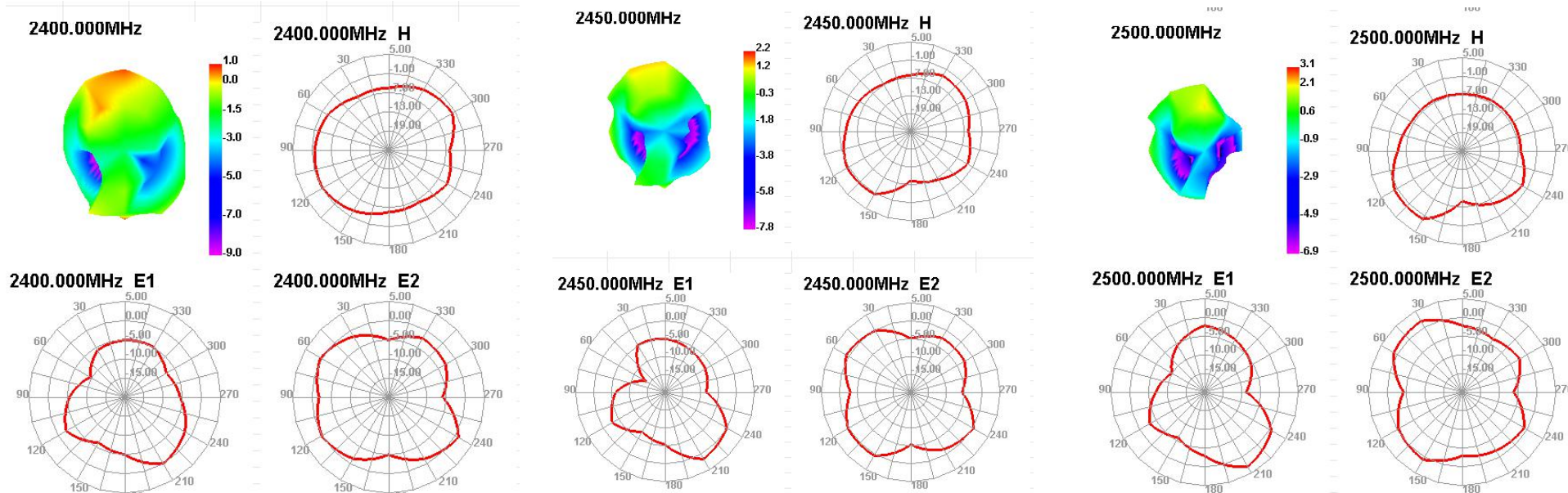
Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	64.16	3.9
5350	59.92	3.82
5550	69.28	4.54
5650	67.44	5.72
5850	68.67	3.98

五. 苹果图方向图 Apple map direction map

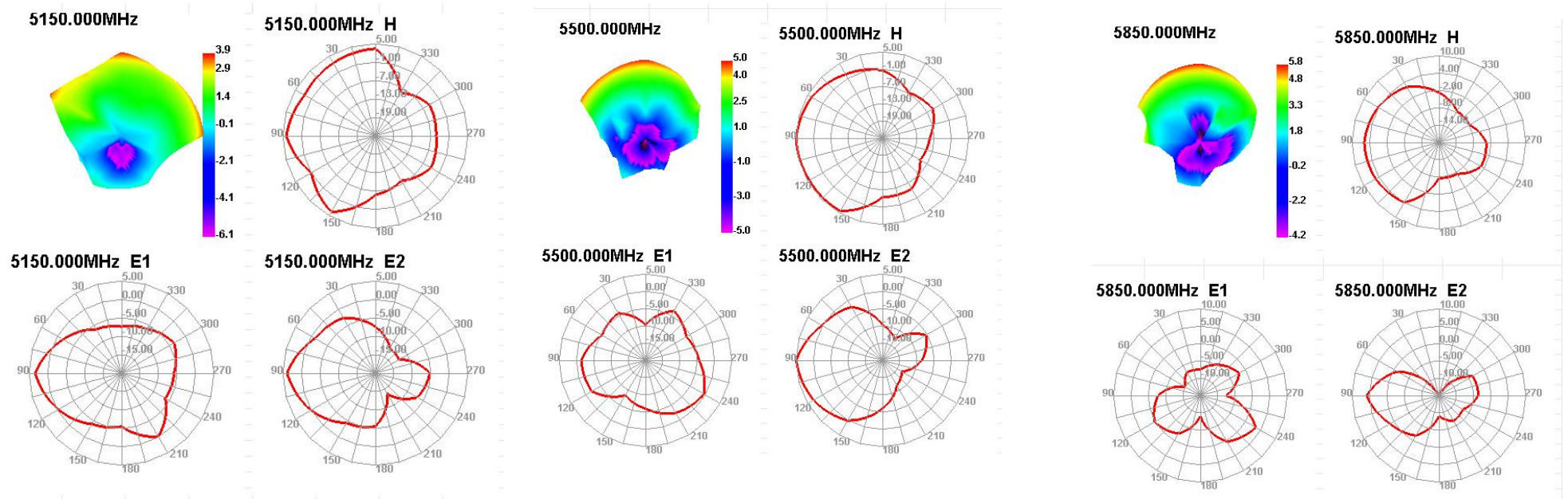
AW2-2.4G



AW1-2.4G



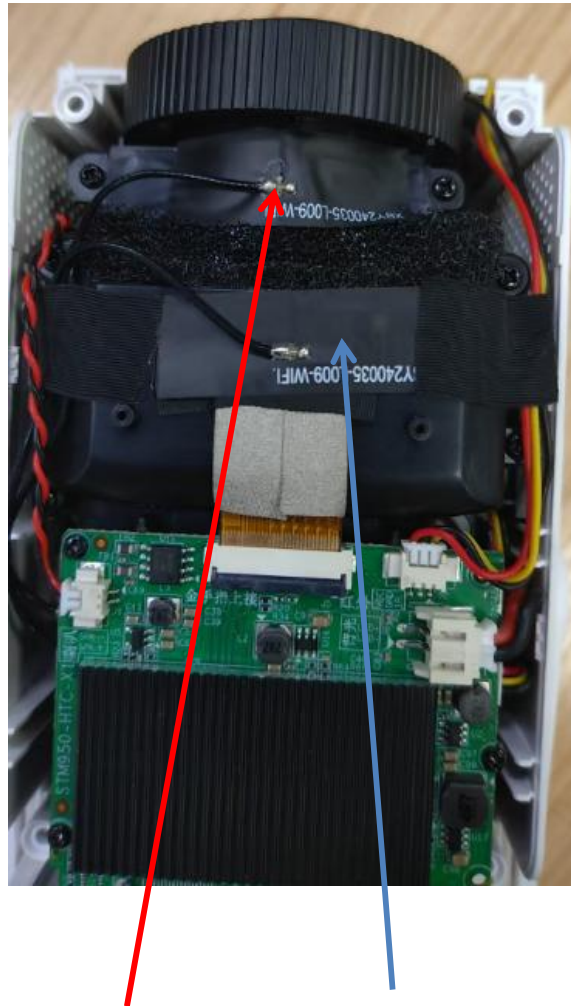
WIFI-5G



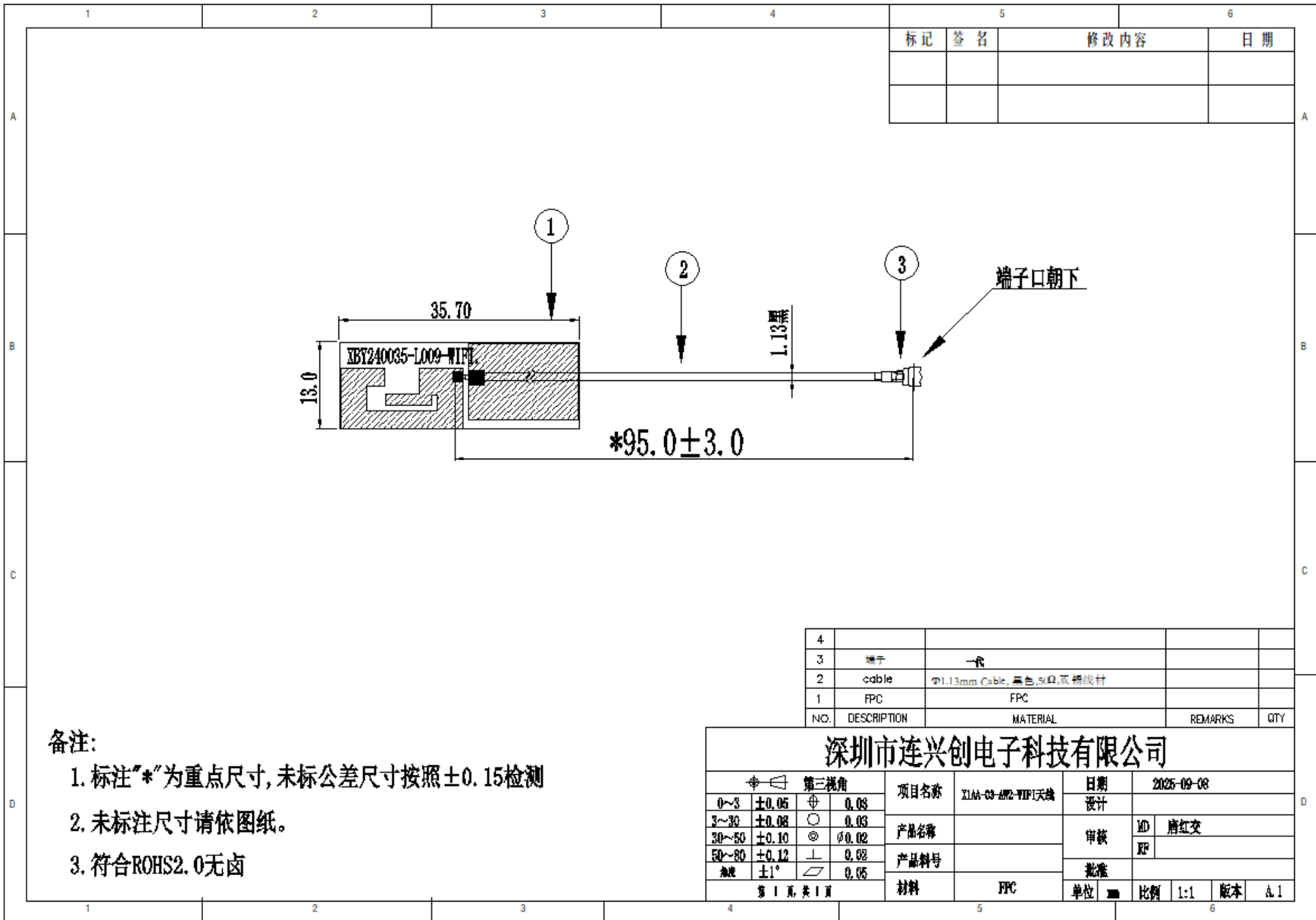
六. 有源数据 Active data

WiFi(2.4G/B)	CH	TRP-(11M)	TIS-(11M)	WiFi(5G/A)	CH	TRP-(54M)	TIS-(54M)
	1	17.6			36	16.4	
	6	17.5			149	16.0	
	11	17.6	-73.6		165	15.1	-67.2

七. 环境处理 Envionmentltreatment



原安装方式不变





The end , thanks!