

天线测试报告

Customer: Shenzhen sangge'er Polytron Technologies Inc

Project Name: TF1-12

Antenna Manufacturer: Sunnyway Technology(CHINA)

Address: The 6th floor, Building 5, Nantaiyun Innovation Valley Center, Guangming District, Shenzhen City

报告版本: 2025.09.11 A2

研 发: 杨宇航

Equipment List



The industry's top 64 sensors OTA chamber

Frequency range: 400MHz-11GHz

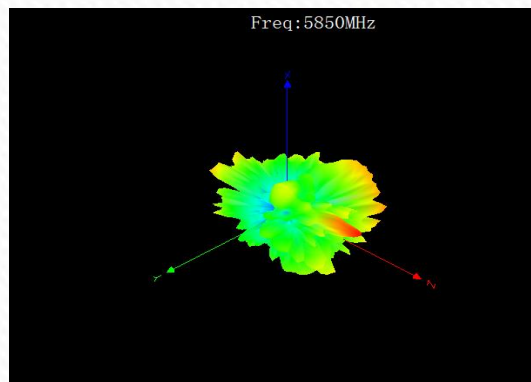
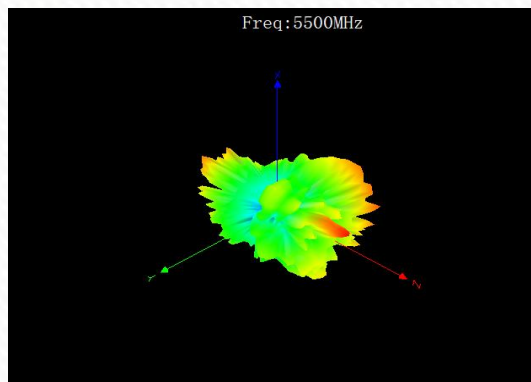
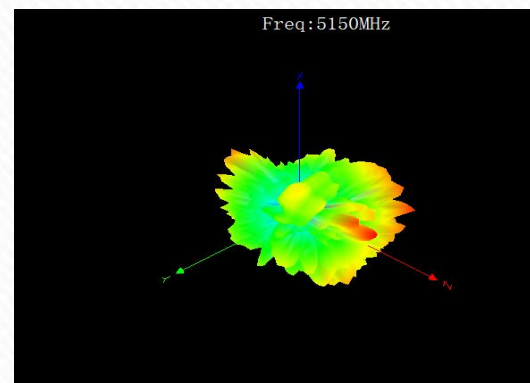
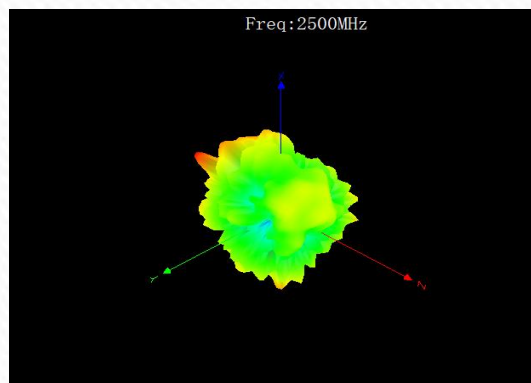
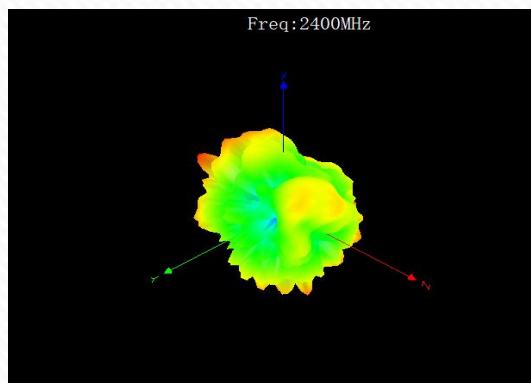
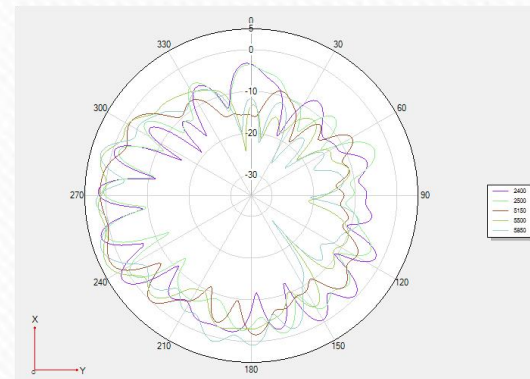
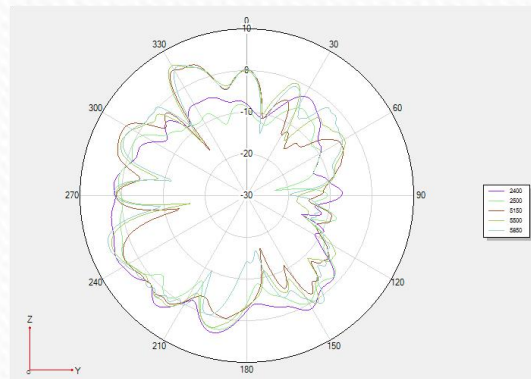
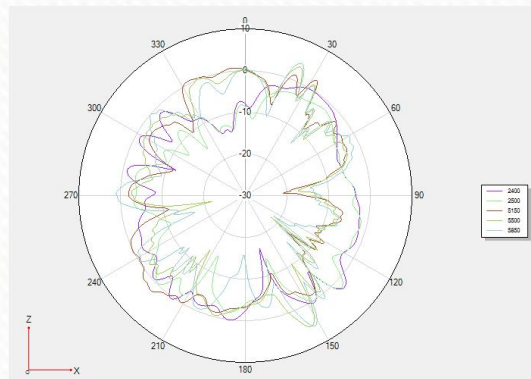
Device Limitation: 2M

Load-bearing limitation:100KG

Equipments Items	Total Quantity	Quantity for Shanghai R&D	Quantity for Shenzhen R&D	Quantity for ChongQing R&D
OTA chamber	10	4	5	1
5G Tester (SP9500-CTS)	3	1	1	1
R&S Tester (high configuration CMW500)	6	3	2	1
Japan Anritsu Tester (Dual Channel 8820)	4	2	2	--
NB-IoT Tester (SP8315)	3	1	1	1
Agilent Tester (8960)	9	4	4	--
Agilent Network Analyzer (E5062A)	7	3	3	1
Agilent Network Analyzer (E5071C 8.5GHZ)	11	5	5	1
Agilent Network Analyzer (E5071B 8.5GHZ)	7	3	3	1
R & S Network Analyzer (ZND)	9	4	4	1
R & S Network Analyzer (ZVB)	3	1	1	1
OTA head hand / ear hand / arm hand	5	2	2	1
GPS/WIFI active test equipment	5	2	2	1



Frequen cy/Mhz	Efficienc y / dB	Efficienc y / %	MaxGain /dBi	Frequen cy/Mhz	Efficienc y / dB	Efficienc y / %	MaxGain /dBi
2400	-3.34	46.35	1.14	5150	-3.68	42.87	0.95
2410	-3.31	46.67	1.26	5200	-3.84	41.33	1.19
2420	-3.33	46.46	1.53	5250	-3.99	39.92	1.53
2430	-3.36	46.14	1.23	5300	-4.03	39.55	1.83
2440	-3.28	47	0.47	5350	-4.39	36.4	1.42
2450	-3.23	47.54	1.09	5400	-4.12	38.75	1.76
2460	-3.26	47.21	0.81	5450	-3.85	41.22	1.14
2470	-3.23	47.54	0.89	5500	-4.31	37.09	1.13
2480	-3.19	47.98	1.08	5550	-4.28	37.34	1.46
2490	-3.09	49.1	1.25	5600	-3.71	42.58	1.76
2500	-3	50.12	0.74	5650	-3.92	40.57	1.64
				5700	-4.18	38.21	1.36
				5750	-3.81	41.61	1.85
				5800	-3.8	41.71	1.58
				5850	-3.89	40.85	1.01



亮屏

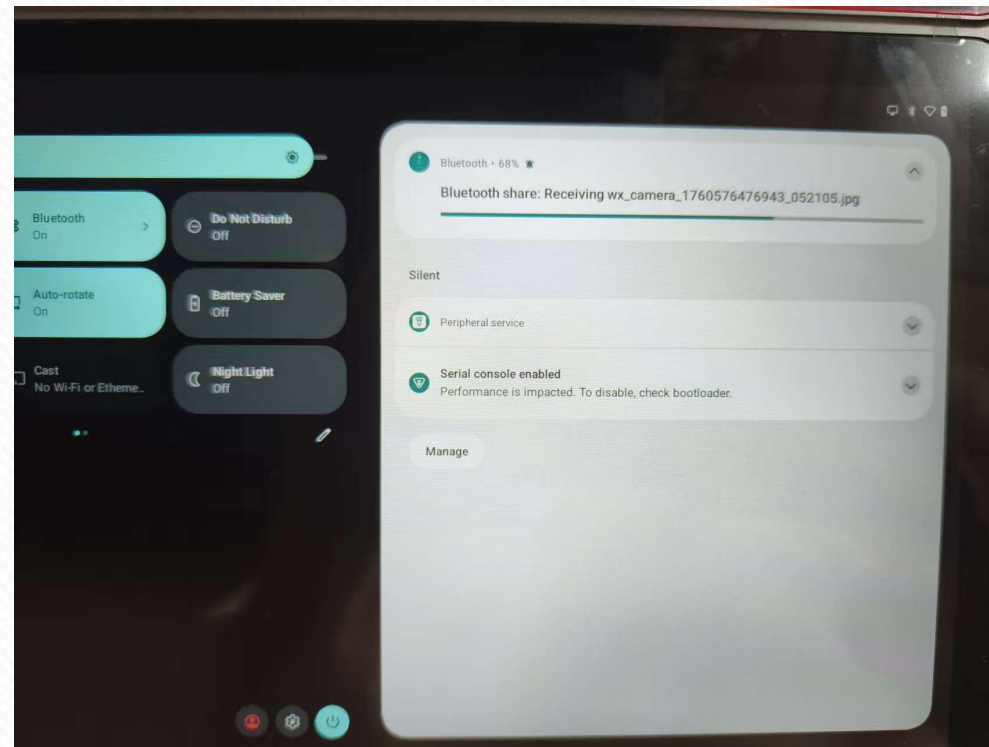
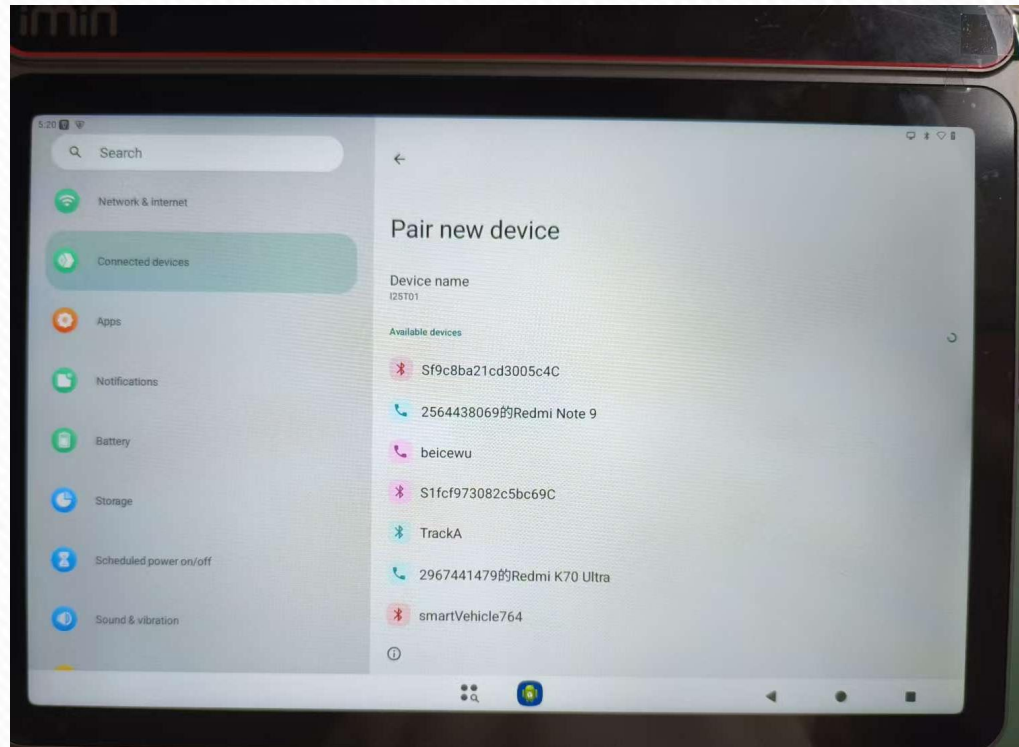
Band	Channel	TRP	TIS
wifi_B	1	14.98	
	6	14.81	
	11	14.84	-84.94
wifi_G	1	15.05	
	6	15.57	
	11	14.92	-72.36
wifi_N	1	12.36	
	6	12.27	
	11	11.92	-67.77
wifi_A	36	12.74	
	149	11.98	
	165	12.03	-73.65

灭屏

Band	Channel	TRP	TIS
wifi_B	1	15.55	
	6	15.52	
	11	15.43	-87.78
wifi_G	1	15.67	
	6	16.18	
	11	15.52	-75.37
wifi_N	1	12.93	
	6	12.82	
	11	12.5	-70.84
wifi_A	36	13.11	
	149	12.51	
	165	12.21	-73.84

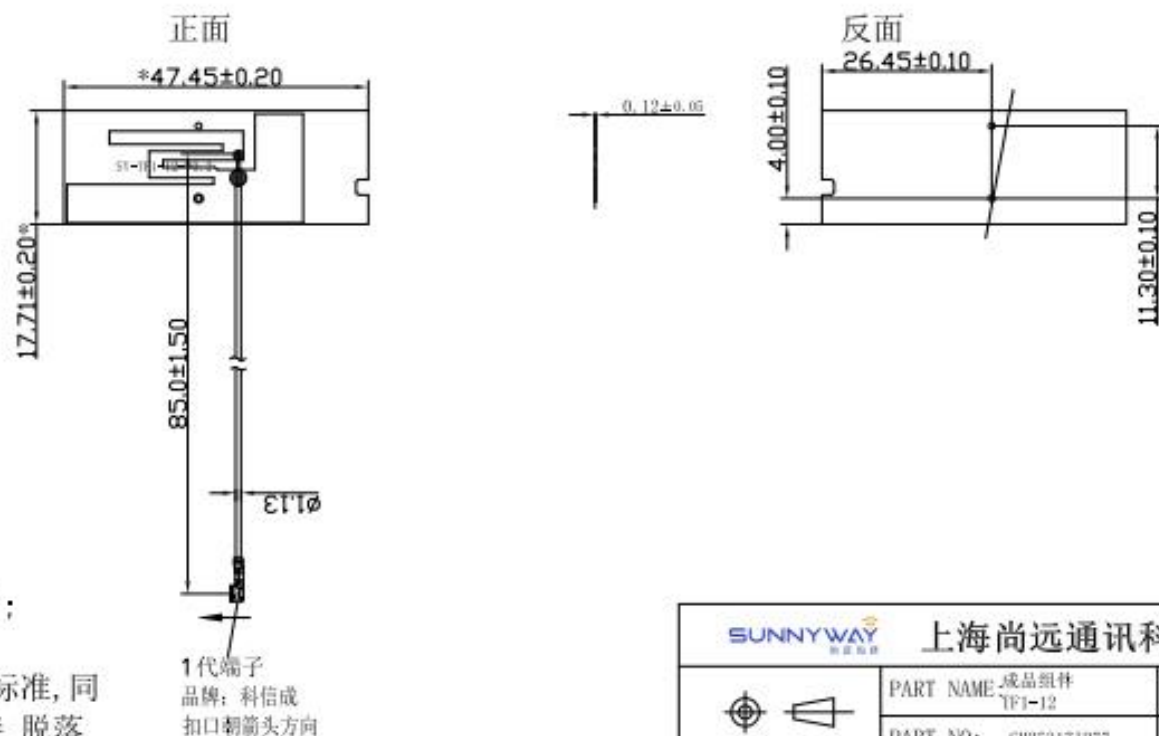
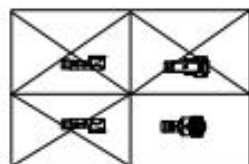
开摄像头

Band	Channel	TRP	TIS
wifi_B	1	15.56	
	6	15.46	
	11	15.46	-86.59
wifi_G	1	15.69	
	6	16.18	
	11	15.55	-74.12
wifi_N	1	12.99	
	6	12.88	
	11	12.54	-68.32
wifi_A	36	13.03	
	149	12.67	
	165	12.34	-73.92



DEV-QR-06

版本	修改内容	修改人	日期



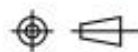
技术要求:

- 1:带"*"为重点检测尺寸;
- 2:辅料不可贴偏;
- 3:外观要求依天线检验标准,同轴线焊接FPC时无未焊接 脱落不良现象,端子方向不可焊错;
- 4:焊点高度控制在2.2MM以内
- 5:未注公差参照一般公差表;
- 6:◆尺寸作参考,以配为准
- 7.产品符合RoHS2.0标准REACH标准要求。

序号	零件名称	料号	材料	颜色	数量
②	同轴线	SH253171B21S1		黑色	1
①	FPC	SH253171B03S2		黑色	1

SUNNYWAY

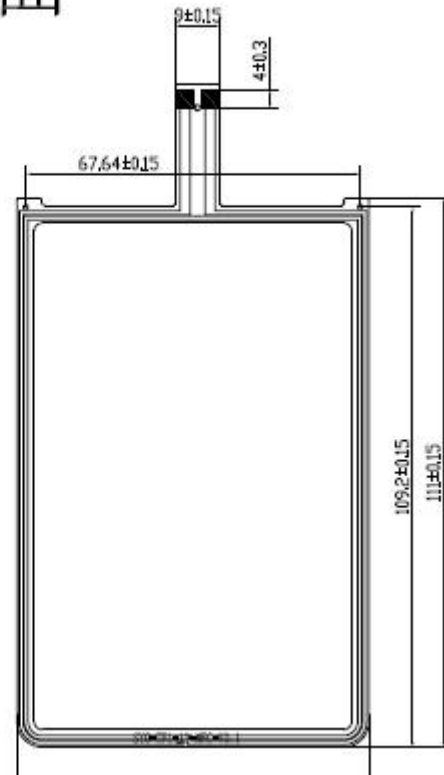
上海尚远通讯科技有限公司



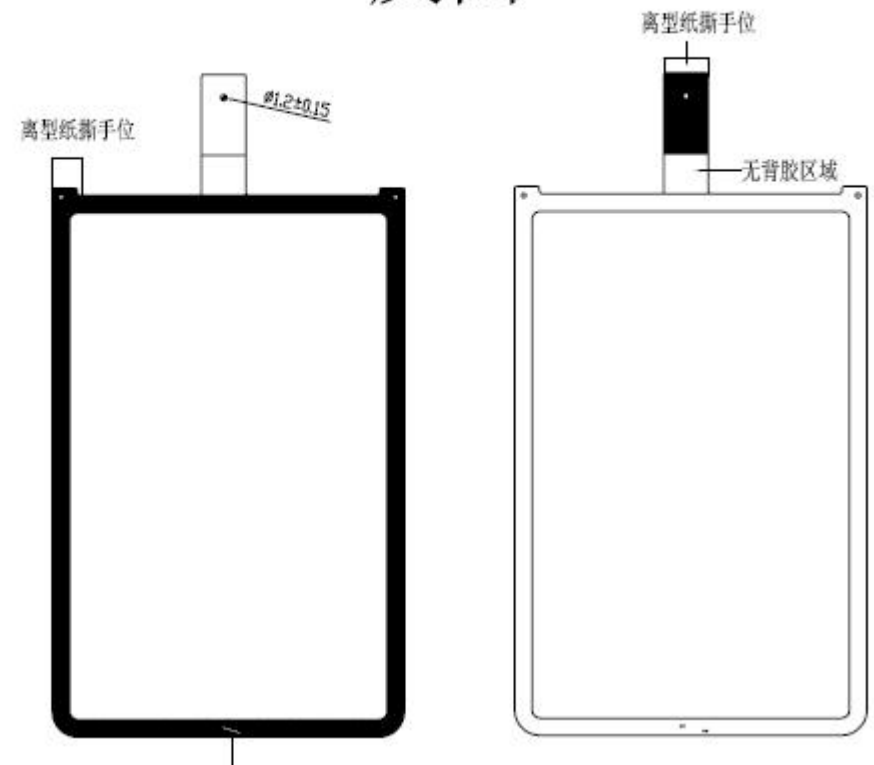
PART NAME: 成品组件 TF1-12	DATE: 2025. 9. 12
PART NO: SH253171B77	DRAWN: 于姜
RF:	Tel:
PM: 马荣来	Tel:
MATERIAL: FPC+同轴线	CHECKED: 张远方
FINISHING:	APPROVED:
UNIT:mm	COLOUR: 黑色
	SCALE:1:1
	REV:LS01

TOLERANCE
X, X ±0.25
. XX ±0.25
. XXX ±0.05
ANGULAR ∠±0.5°

正面



反面



Thank You

上海研发中心：上海市青浦区高光路215弄99号4号楼1楼

深圳研发中心：深圳市光明区南太云创谷中心5栋6楼

重庆研发中心：重庆市渝北区仙桃数据谷东路19号ARM生态产业园1F

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