



承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name	雷特		
客户项目名 Customer Project Name	LT-001	顺达成项目名 SDC Project Name	LT-001
客户编码 Customer P/N		顺达成料号 SDC P/N	WF7176B-0813L-35
频段 Band	WIFI (2.4G/5.8G) &BT		
版本号 Version	A0		
设计人信息/Designer Information			
射频工程师 RF Engineer	符学荣	研发主管 R&D Diretor	夏承磊
结构工程师 ME Engineer	黄宗宝		

审批/ Approval				客户批准/Customer Approval	
	制作 Prepared By	审核 Checked By	批准 Approval By	审核 Checked By	批准 Approval By
签章 Signature	李瑶娜	夏承磊	陈华明	夏承磊	李瑶娜
日期 Date	2026.07.30	2026.07.30	2026.07.30	2026.8.5	2026.8.5

修订履历/Change Log				
版本 Version	修订内容 Change Description	责任人 Person in Charge	核准 Approval By	日期 Date



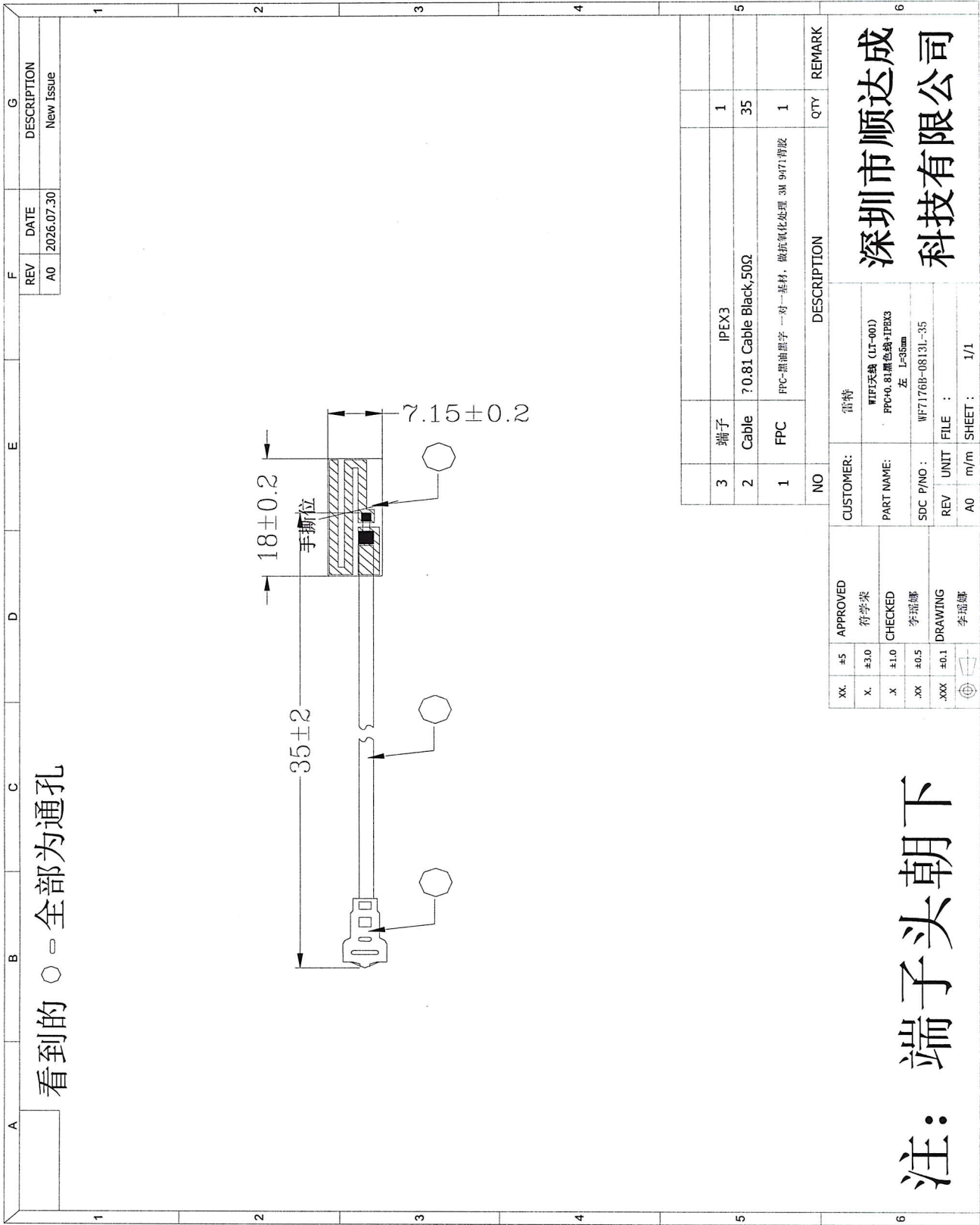
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产品图纸或实物图片
Drawing or Product Image





样品尺寸测量报告

Sample Dimensions Test Report

测试日期 Test Date	2026. 07. 30	样品数量 Sample Qty.	3	测试人 Inspector	许燕芳
尺寸编号 Dimension No.	标准 Standard	样品 1 Sample 1	样品 2 Sample 2	样品 3 Sample 3	Pass/NG
①长度	18±0. 2mm	18	18. 1	18	Pass
②宽度	7. 15±0. 2mm	7. 15	7. 2	7. 2	Pass
③厚度	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④线长	35±2mm	35	36	35	Pass
最终结论 Conclusion					PASS
测试人&日期 Inspector & Date	许燕芳 2026. 07. 30		批准&日期 Approval & Date	李江. 2026.8.5	



射频性能测量报告

RF Performance Test Report

天线测试设备简介

Antenna Test Equipment Introduction

测试天线输入特性使用 **Agilent E5071C** and **Agilent 5062A** 矢量网络分析仪；辐射特性利用广屏三维近场暗室进行测试，并分别使用 8960 E5515 和 Agilent E4438C 进行了分析。暗房的测试坐标如下：

Test of antenna input characteristics using **Agilent E5071C** and **Agilent 5062A** vector network analyzer; The radiation pattern of the antenna are tested using the guangping 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:

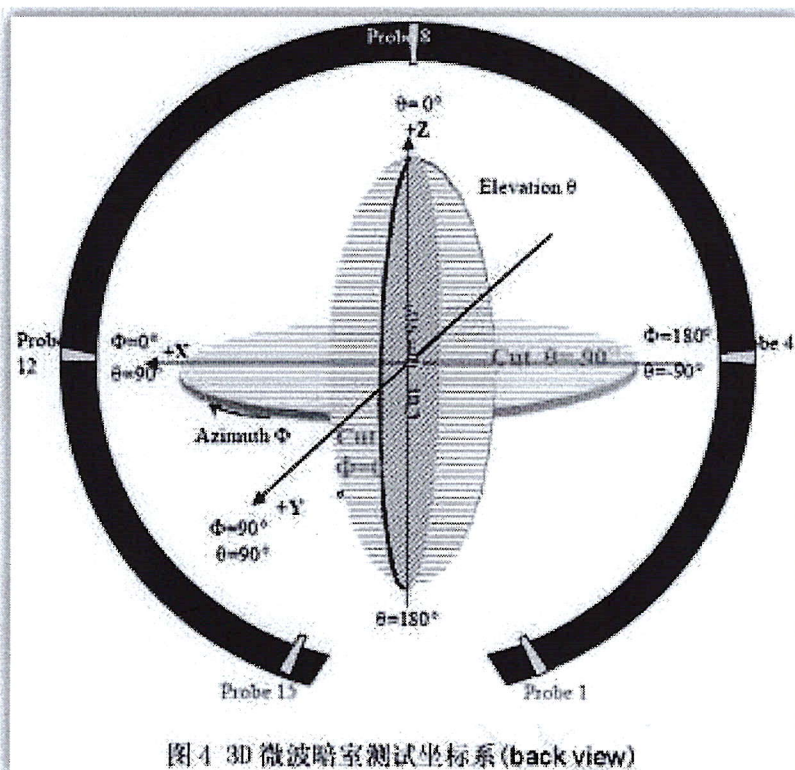


图4 3D微波暗室测试坐标系(back view)

1. S11 参数测量/**S11 Parameter-VSWR**

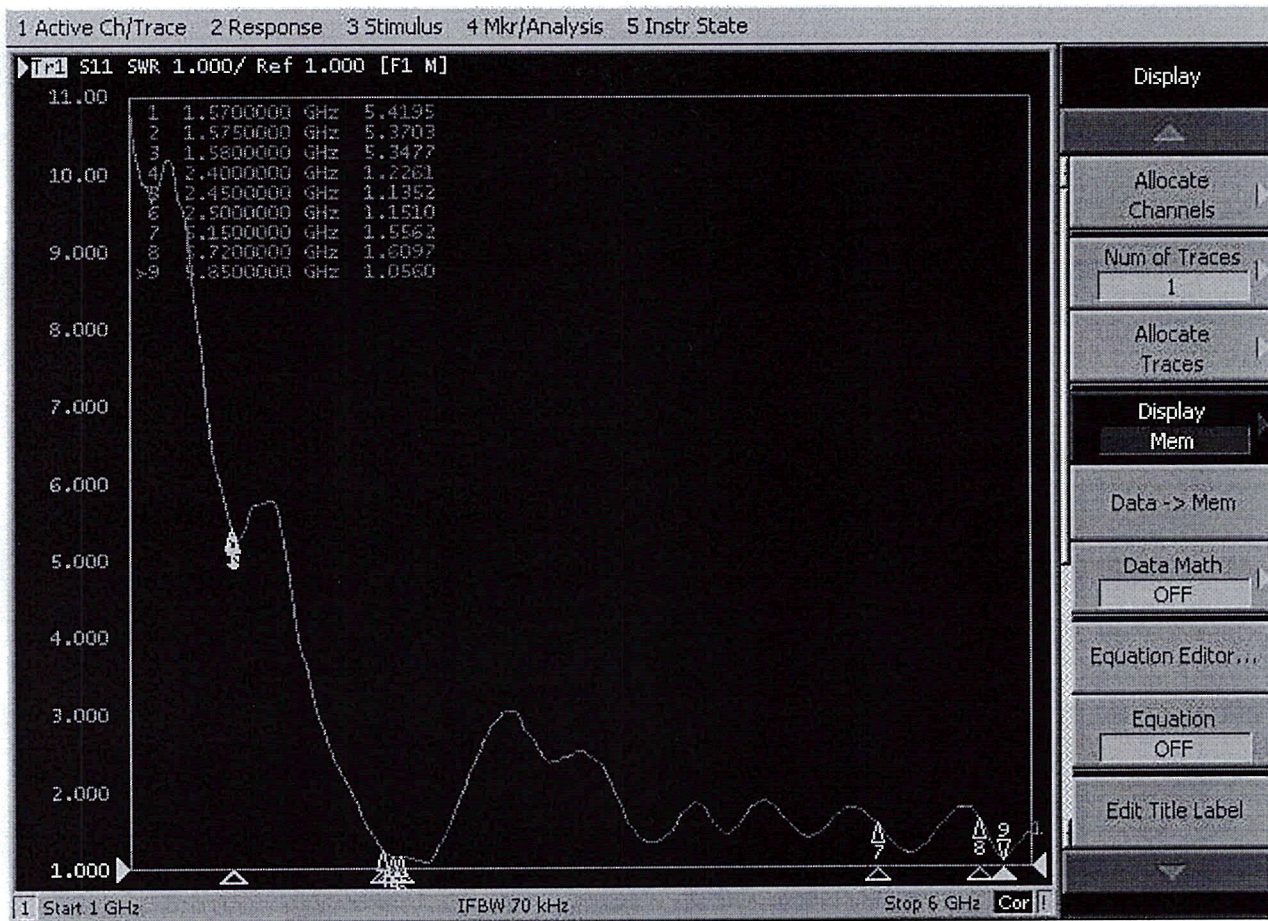
使用一根 50Ω 同轴电缆连接到天线，然后该电缆连接到网络分析仪测量 S11 参数，被测量产品远离金属至少 20 厘米。

Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.



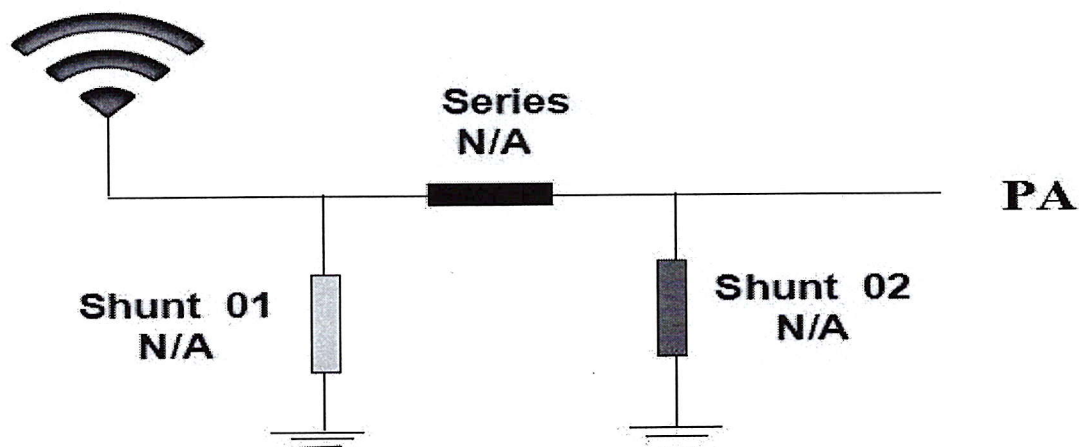
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S11 Parameter-VSWR



2. 天线匹配网络/Antenna Matching Network

Antenna



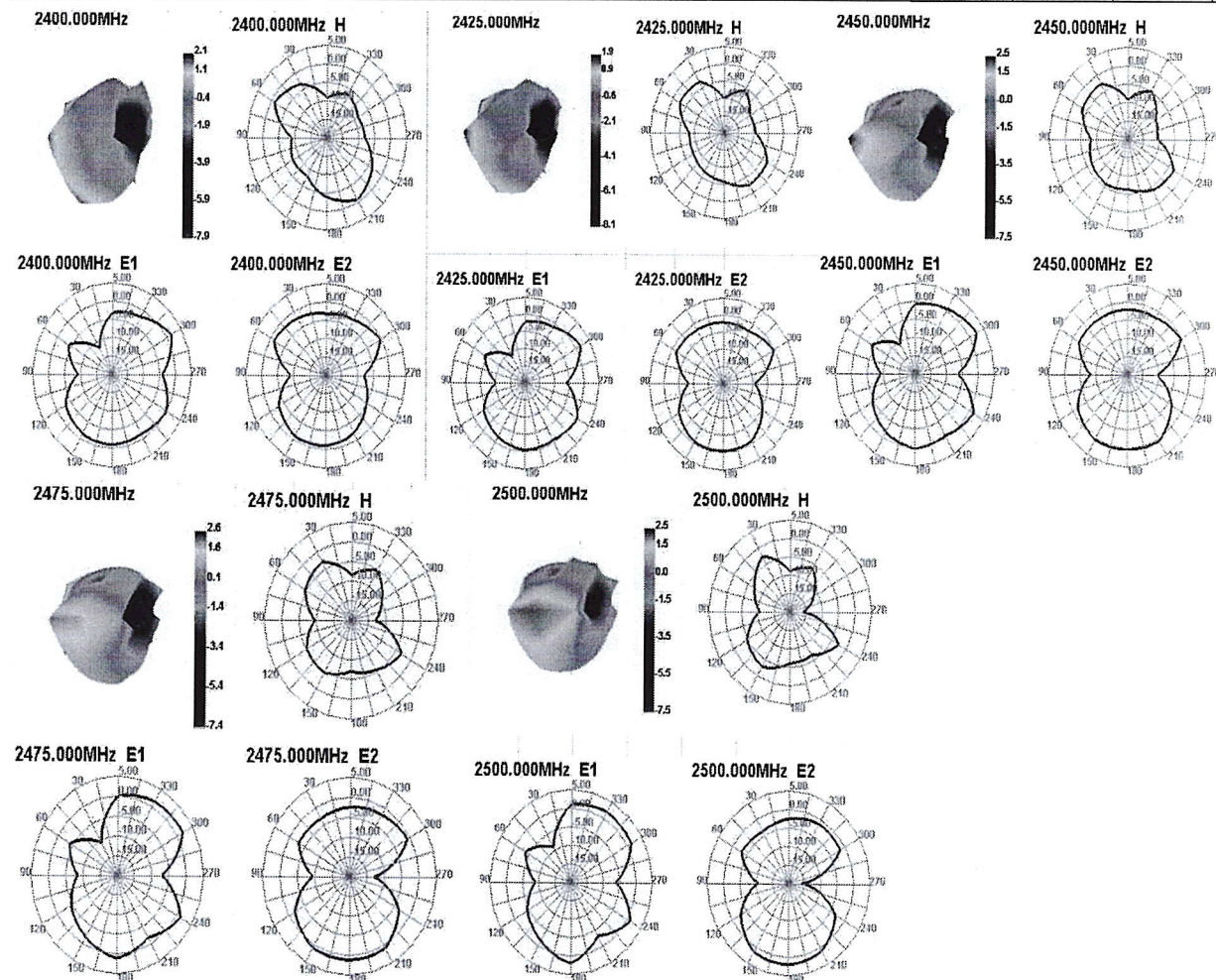


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3. Gain & Efficiency

Passive Test For 2.4G												
Freq (MHz)	Eff1 (%)	Eff1 (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	46.33	-2.49	2.06	-0.09	26.642	29.686	2.06	-12.21	4.55	0	47.77	47.82
2425	45.47	-2.56	1.89	-0.26	25.554	29.914	1.89	-11.2	4.45	30	48.06	48.12
2450	49.29	-2.27	2.46	0.31	26.96	32.331	2.46	-11.52	4.73	30	48.56	48.53
2475	47.89	-2.37	2.6	0.45	25.861	32.025	2.6	-13.06	4.98	60	48.46	48.26
2500	48.39	-2.34	2.52	0.37	25.477	32.917	2.52	-15.97	4.86	0	48.42	48.12

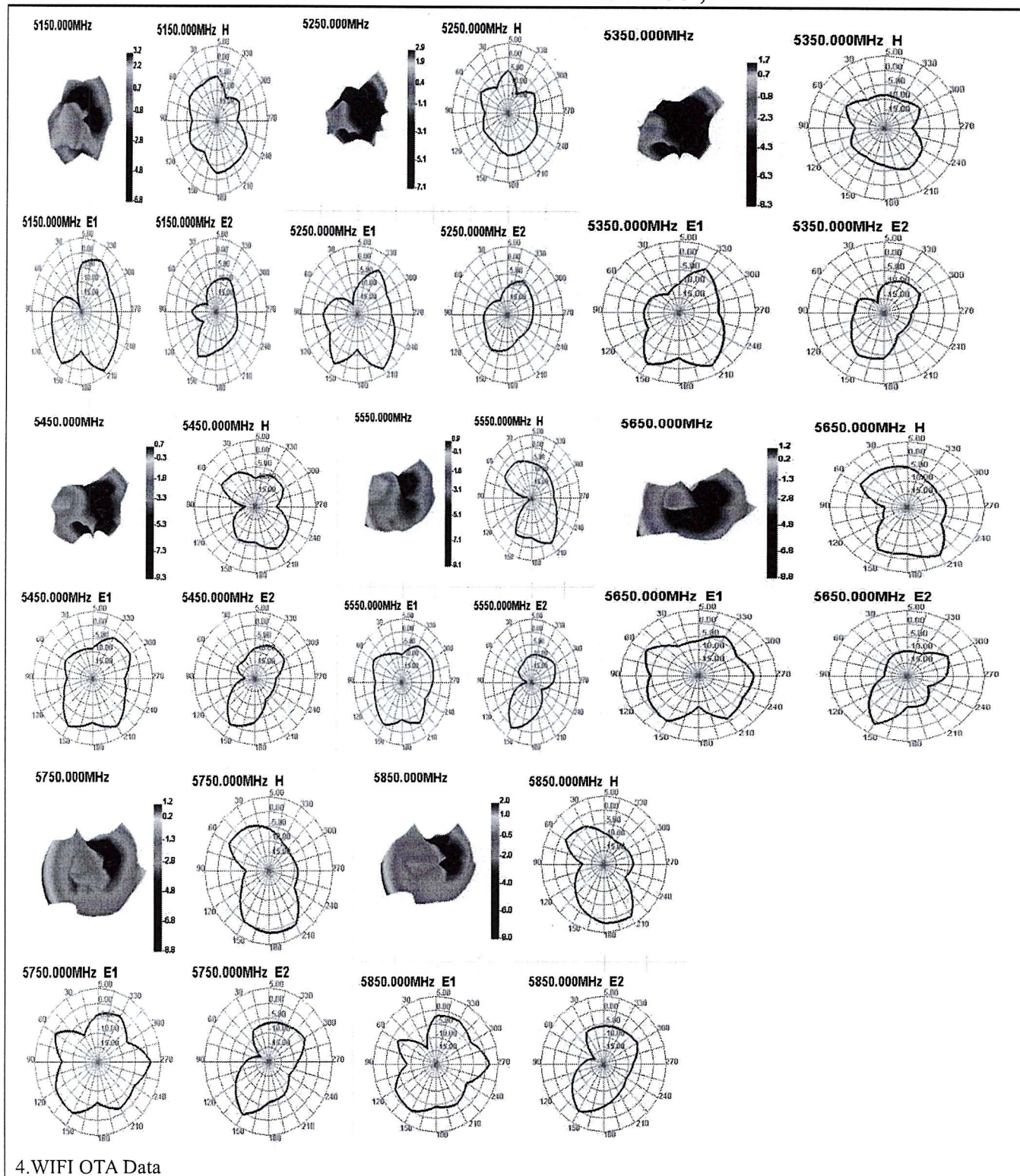


Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Efft (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	40.29	-3.95	3.22	1.07	13.819	26.475	3.22	-21.65	7.17	30	58.6	58.01
5250	39.81	-4.84	2.89	0.74	10.959	21.849	2.89	-16.2	7.73	0	58.53	57.74
5350	34.08	-5.67	1.66	-0.49	8.676	18.408	1.66	-16.08	7.33	0	57.99	57.08
5450	35.77	-5.41	0.68	-1.47	11.252	17.523	0.68	-16.09	6.09	0	59.19	57.9
5550	37.05	-5.08	0.93	-1.22	13.257	17.792	0.93	-18.73	6.01	0	60.21	58.81
5650	38.99	-4.44	1.25	-0.9	14.61	21.381	1.25	-14.34	5.69	30	60.31	59.42
5750	39.86	-3.99	1.17	-0.98	17.494	22.366	1.17	-16.91	5.17	0	60.88	60.28
5850	40.32	-3.94	1.96	-0.19	19.19	21.132	1.96	-16.4	5.91	0	61.09	60.41



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2.4G WIFI	TRP			TIS		
Channel	CH1	CH6	CH11	CH1	CH6	CH11
802.11b, 11M	13.93	13.28	13.14	-80.63	-79.31	-80.89
802.11g, 54M	12.02	12.12	12.17	-68.65	-68.79	-68.46
802.11n, MCS7 (65M)	12	12.19	12.6	-67.54	-67.4	-67.83
5G WIFI	TRP			TIS		
Channel	CH36	CH60	CH161	CH36	CH60	CH161
802.11a, 54M	12.53	12.64	12.93	-70.16	-70.67	-69.66



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可靠性测试报告

Reliability Test Report

测试日期 Test Date	2026. 07. 30	样品数量 Sample Qty.	3	测试人 Inspector	许燕芳	
测试项目 Test Item	要求 Requirement	试验设备 testing equipment	样品 1 Sample 1	样品 2 Sample 2	样品 3 Sample 3	判定 PASS/NG
高温存储	在+85℃条件下暴露 24H, 恢复 2H 后进行测 试	恒温恒湿箱	OK	OK	OK	Pass
低温存储	在-40℃条件下暴露 24H, 恢复 2H 后进行测 试	恒温恒湿箱	OK	OK	OK	Pass
高温工作	在+60℃条件下通电工 作 24H	恒温恒湿箱	OK	OK	OK	Pass
低温工作	在-20℃条件下通电工 作 24H	恒温恒湿箱	OK	OK	OK	Pass
盐雾试验	(5 ± 0. 5)%氯化钠、 pH 值为 6. 5~7. 2, 实 验箱温度 (35±2) °C ☐ 24H ☒ 48H	盐雾试验机	OK	OK	OK	Pass
连接器铆压拉 拔力	1. 13 线径 ≥10N 0. 81 线径 ≥8N RG174 ≥60N RG178 ≥50N	推拉力计	≥10N	≥10N	≥10N	Pass
最终结论 Conclusion						Pass
测试人&日 期 Inspector & Date	许燕芳 2026. 07. 30		批准&日期 Approval &D ate	2026.8.5		



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产品 ROHS 证书

Certificate

Certificate Number: UNIB25072421HC-01



Product: 5G/4G/WIFI/GPS/BT antenna/M808 antenna
Applicant: ShenZhen ShunDaCheng Technology Co., Ltd.
4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road,
Baoan District, Shenzhen
Manufacturer: ShenZhen ShunDaCheng Technology Co., Ltd.
4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road,
Baoan District, Shenzhen
Model No.: N/A
Trade Mark: N/A
Test Methods: IEC 62321-2:2021, IEC 62321-3-1:2013, IEC 62321-4:2013 +A1:2017,
IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015
IEC 62321-7-2:2017, IEC 62321-8:2017

The laboratory tested the product provided by the applicant according to the above test methods. According to the test results, the product conforms to RoHS Directive [(2011/65/EU and Amendment (EU) 2015/863)] issued by the European Commission. It is possible to use CE marking to demonstrate the compliance with RoHS Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: UNIB25072421HR-01.

Note: According to the requirements of the applicant for testing, details are shown in the test report.

RoHS

Aug. 28, 2025
Issue Date

Hoffer Lau

Shenzhen United Testing Technology Co., Ltd.

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Guangzhou: No.47-3, Industrial Road, Zhushan, Dalong Street, Panyu District, Guangzhou, Guangdong,
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101/F, Building 2, Tongxin Industrial Park, Xinqiao Village, Dalong Street, Panyu District, Guangzhou,
Guangdong, China/511450

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Certificate of Compliance