



承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name	京华信息		
客户项目名 Customer Project Name	NP15-XU-DY	顺达成项目名 SDC Project Name	NP15-XU-DY
客户编码 Customer P/N		顺达成料号 SDC P/N	WF5786B-0814R-310
频段 Band	WIFI2. 4G		
版本号 Version	A0		
设计人信息/Designer Information			
射频工程师 RF Engineer	伍文载	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	黄宗宝	夏承磊	陈华明		
日期 Date	2025. 9. 9	2025. 9. 9	2025. 9. 9		

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



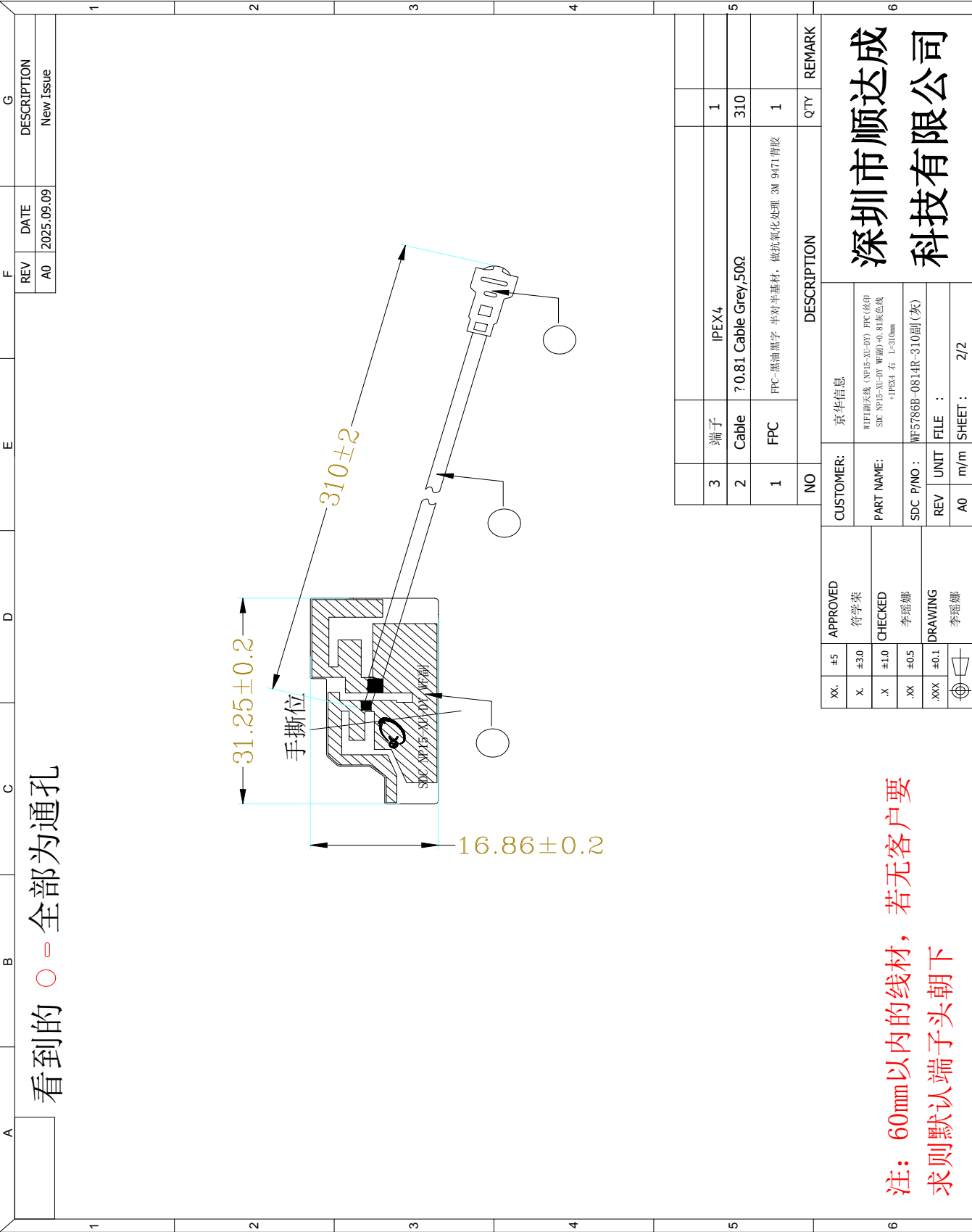
目录/Catalogue

序号 No.	项目 Item	页码 Page No.
1	图纸或实物图片 Drawing or Product Image	3
2	尺寸测量报告 Dimensions Test Report	4
3	射频性能测试报告 RF Performance Test Report	5-7
4	可靠性测试报告 Reliability Test Report1	8
5	包装文件 Package Document	9
6	环境有害物质管控一览表 RoHS Control list for Sample	10
7	安装事宜或其它 Install Wizard or Other	11



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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	2025. 9. 9	样品数量 Sample Qty.	3	测试人 Inspector	
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 length	31. 25±0. 2mm	31. 25	31. 3	31. 3	Pass
②宽度 width	16. 86±0. 2mm	16. 9	16. 9	17	Pass
③厚度 thickness	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④线长 Length of wire	310±2mm	310	311	310	Pass
最终结论 Conclusion					PASS
测试人&日期 Inspector & Date	杨永辉 2025. 9. 9 Yang Yong Hui		批准&日期 Approval & Date		



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:

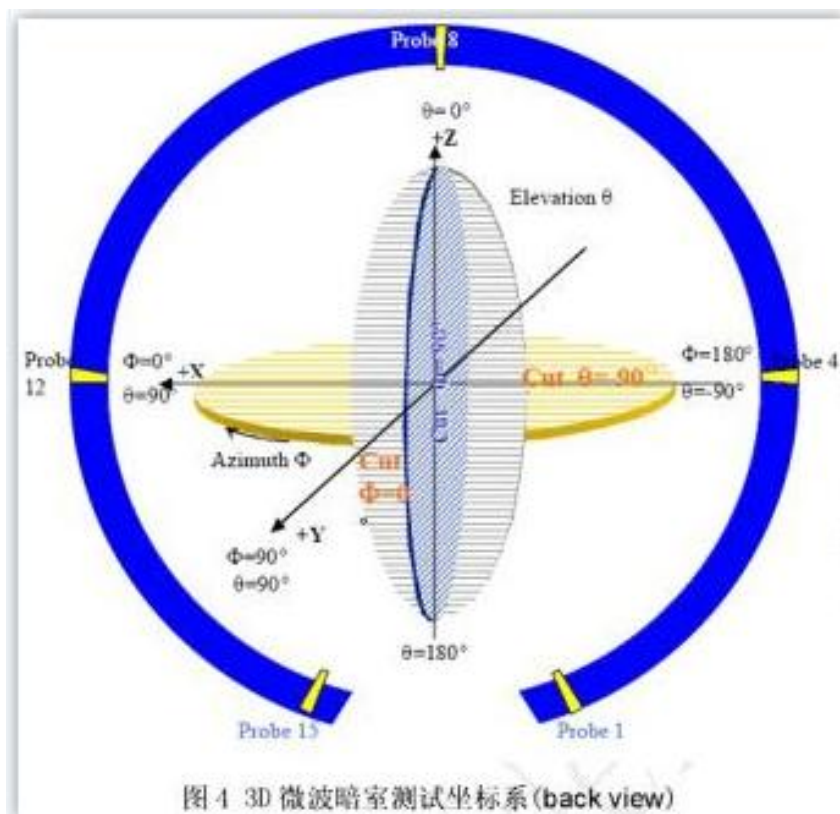


图4 3D 微波暗室测试坐标系 (back view)

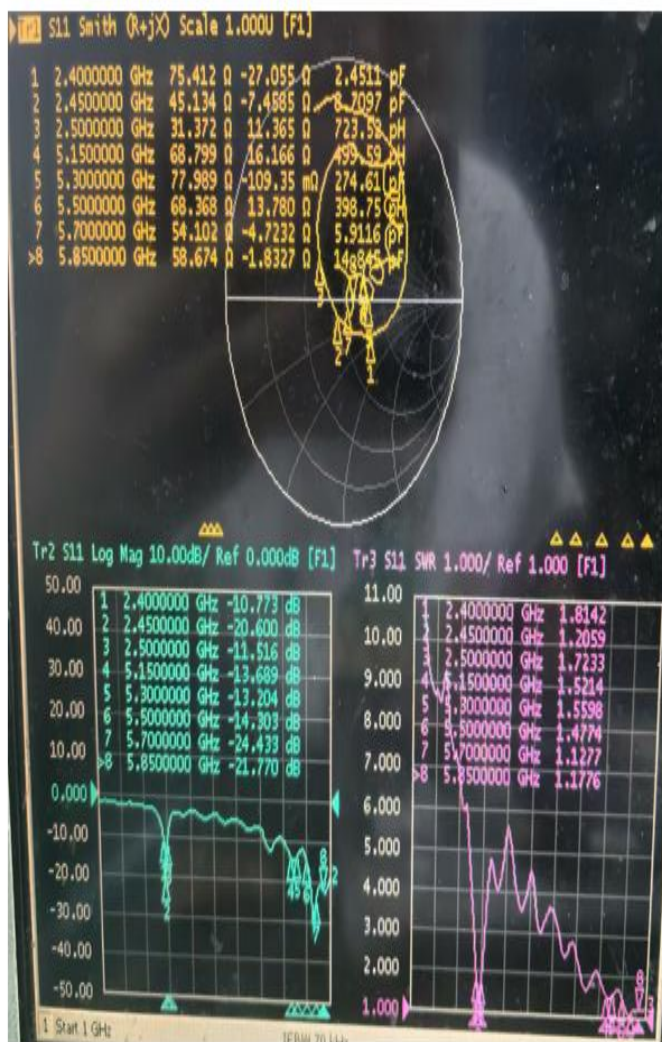
1. S11 参数测量/S11 Parameter-VSWR

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.



S11 Parameter-VSWR -WIFI



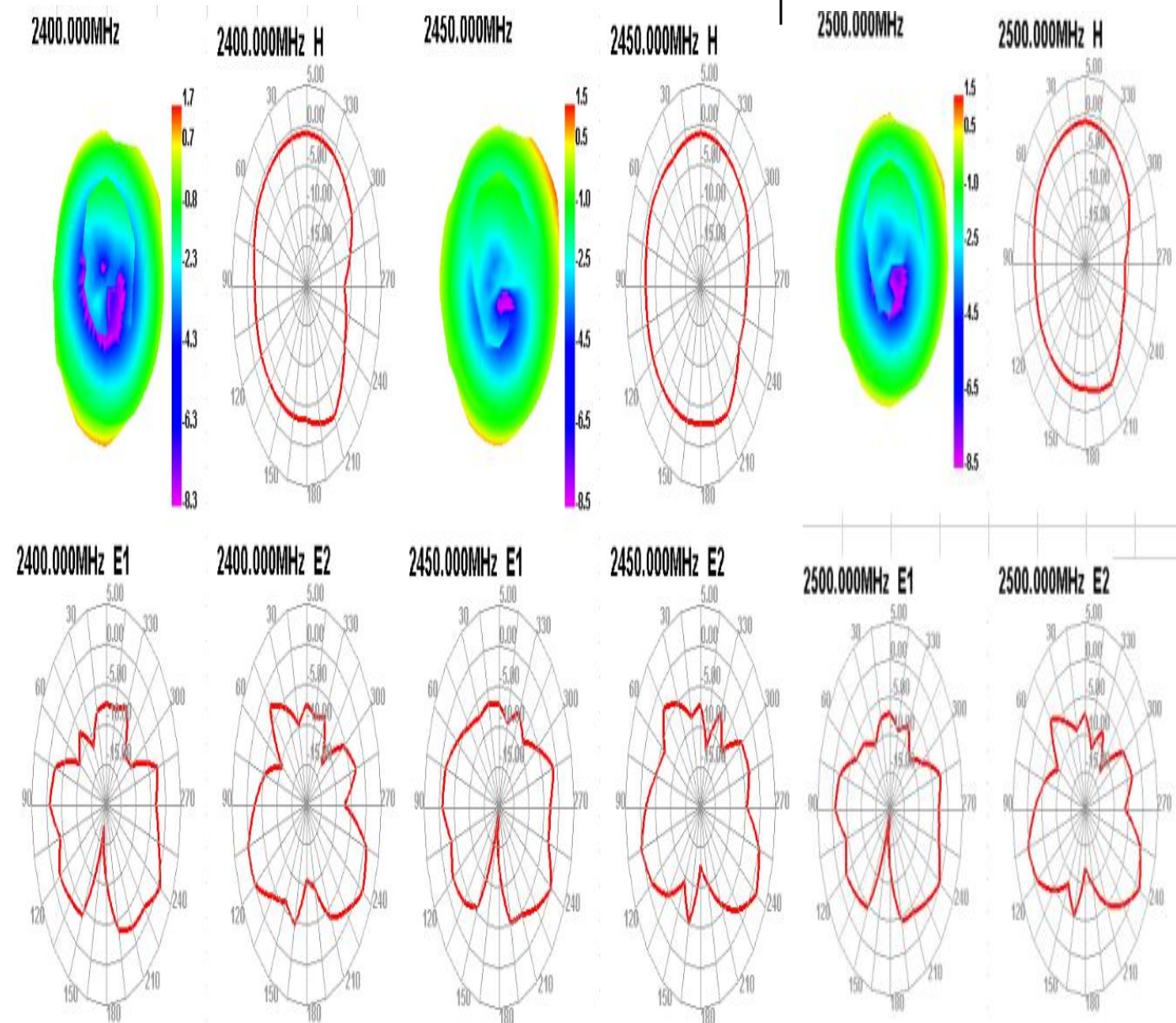
频率 (MHZ)	2400	2450	2500
驻波比	1.8	1.2	1.7
阻抗	75.4 Ω	45.1 Ω	31.3 Ω
回损	-10.7	-20.6	-11.5



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3.1 Gain & Efficiency-WIFI

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.76	1.68
2450	44.39	1.53
2500	45.24	1.52





可靠性测试报告

Reliability Test Report

测试日期 Test Date	2025. 9. 9	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)℃ ☐ 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	杨永辉 2025. 9. 9 Yang Yong Hui		批准&日期 Approval & ate			



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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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Certificate of Compliance