



深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

承 认 书
SPECIFICATION FOR APPROVAL

客户名称 Customer Name	泰视朗 / Teslong		
客户项目名 Customer Project Name	NTS700	顺达成项目名 SDC Project Name	NTS700
整机信息		顺达成料号 SDC P/N	WF580B-1131R-125
频段 Band	WIFI2. 4G		
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	黄宗宝	夏成磊	陈华明		
日期 Date	2023. 12. 14	2023. 12. 14	2023. 12. 14		

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

公司地址：深圳市宝安区福永镇重庆路新福工业园 B5 栋 4 楼

Address: 4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road, Baoan District, Shenzhen

电话/Tel:0755-27211658

传真/Fax:0755-29485750



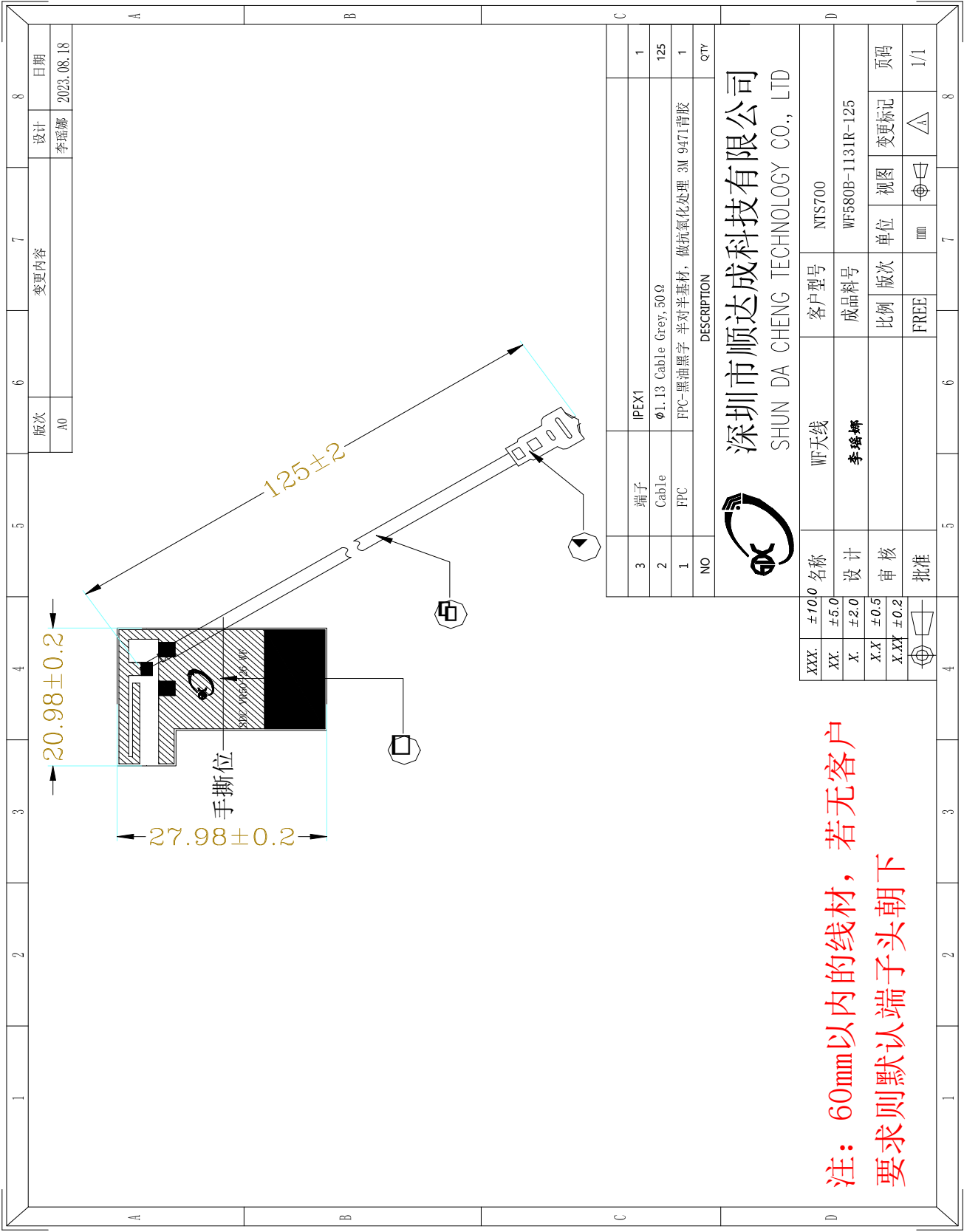
目录/Catalogue

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



深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

产品图纸或实物图片
Drawing or Product Image



注: 60mm以内的线材, 若无客户要求则默认端子头朝下



样品尺寸测量报告

Sample Dimensions Test Report

测试日期 Test Date	2023. 12. 14	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 Length	20.98±0.2mm	21	21	21.1	Pass
②宽度 Width	27.98±0.2mm	28	28	28.1	Pass
③厚度 Thickness	0.1±0.03mm	0.1	0.1	0.1	Pass
④线长 Line length	125±2mm	125	126	126	Pass
最终结论 Conclusion					PASS
测试人&日期 Inspector & Date	许燕芳 2023. 12. 14		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:

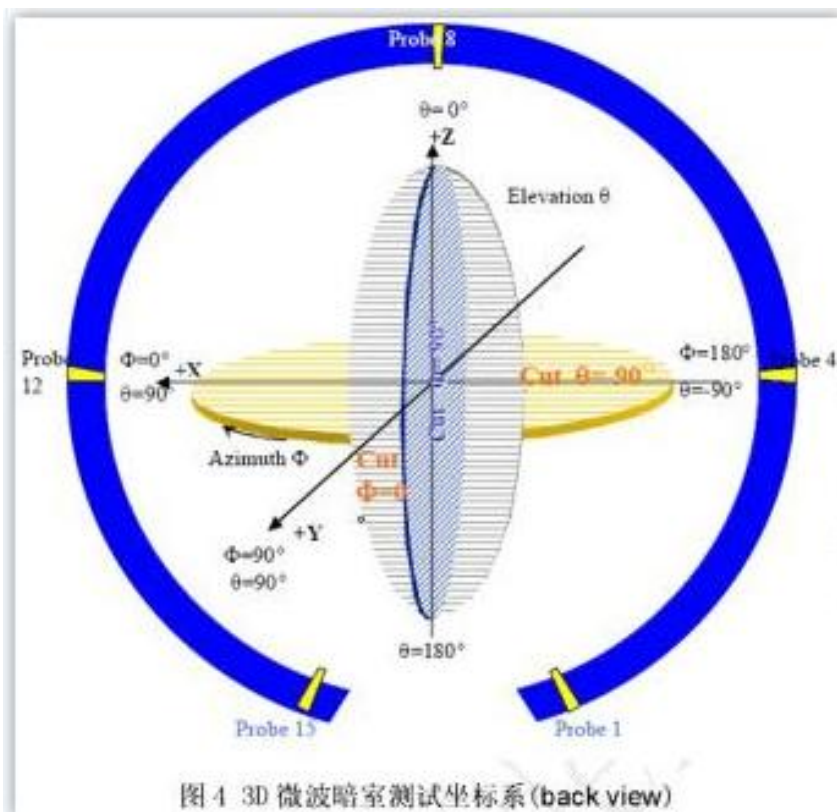


图4 3D 微波暗室测试坐标系 (back view)

1. S11 参数测量/S11 Parameter-VSWR

使用一根 50 Ω 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 50 Ω 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.

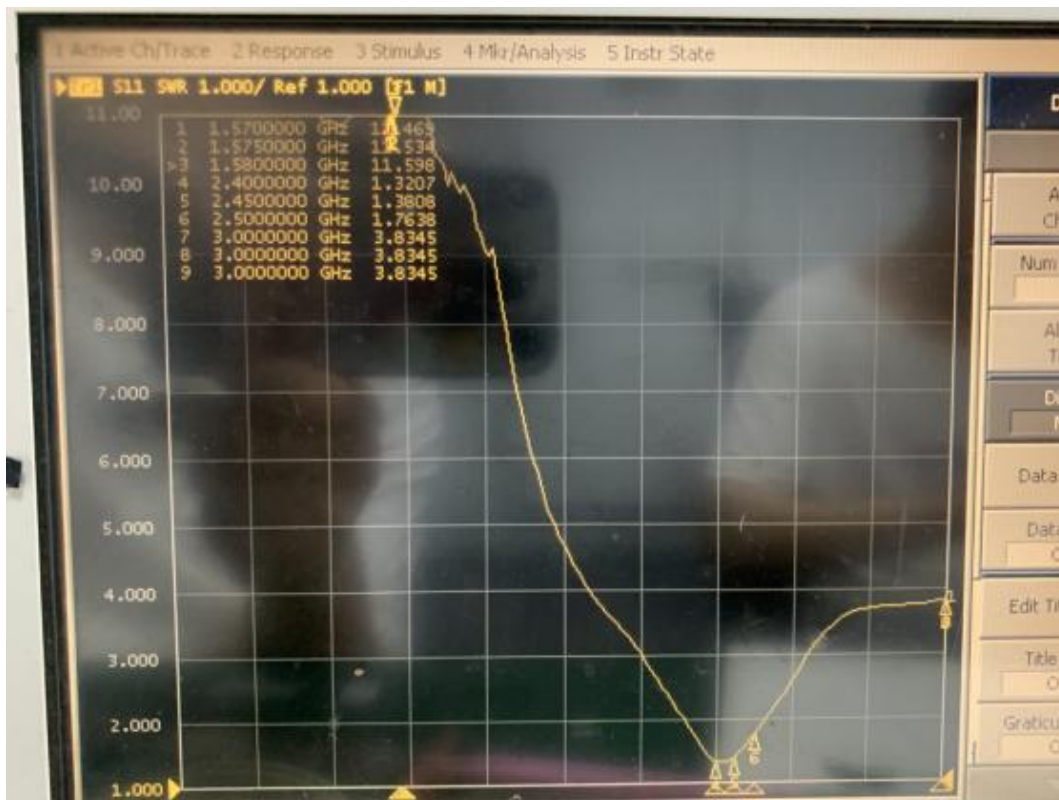


深圳市顺达成科技有限公司

SHUN DA CHENG TECHNOLOGY CO., LTD

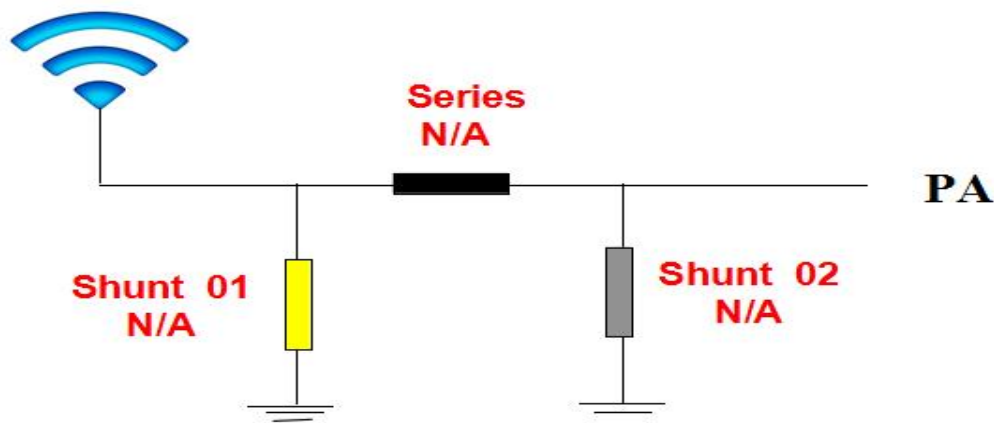
S11 Parameter-VSWR

频率 (MHZ)	2400	2450	2500
驻波比	1.32	1.38	1.76



2. 天线匹配网络/Antenna Matching Network

Antenna



3. Gain & Efficiency

公司地址: 深圳市宝安区福永镇重庆路新福工业园 B5 栋 4 楼

Address: 4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road, Baoan District, Shenzhen

电话/Tel: 0755-27211658

传真/Fax: 0755-29485750



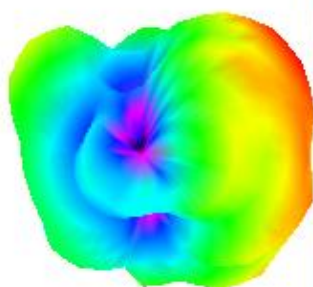
深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

Passive Test For 2.4G									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Atten Hor
2400	43.91	-3.57	1.84	-0.31	22.401	21.511	1.84	-19.67	49.
2450	44.86	-3.48	2.13	-0.02	22.886	21.973	2.13	-19.33	49.
2500	45.49	-3.42	2.16	0.01	23.63	21.862	2.16	-17.15	49.

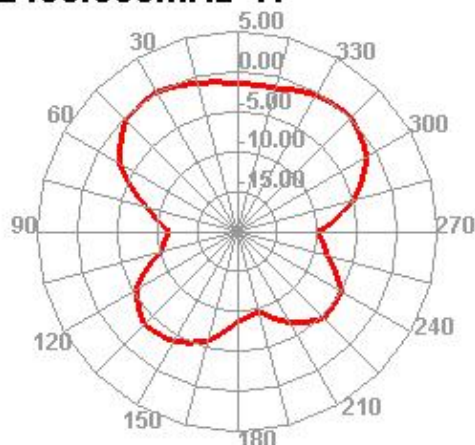
2400.00MHz - 2500.00MHz Gain

5.00

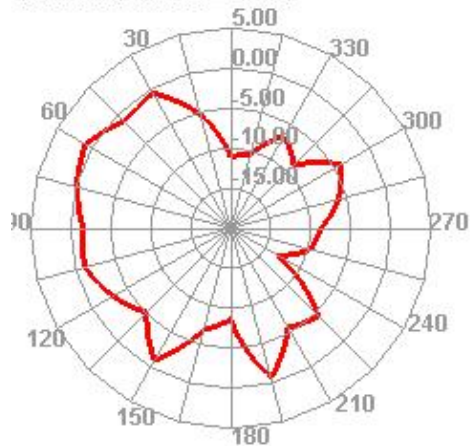
2400.000MHz



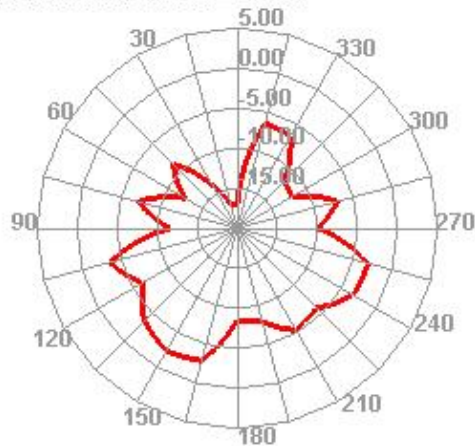
2400.000MHz H



400.000MHz E1



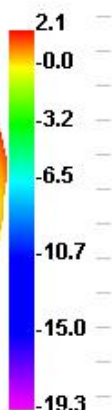
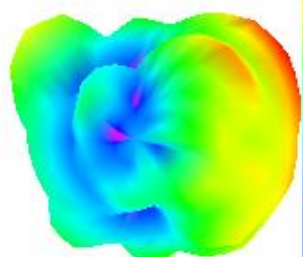
2400.000MHz E2



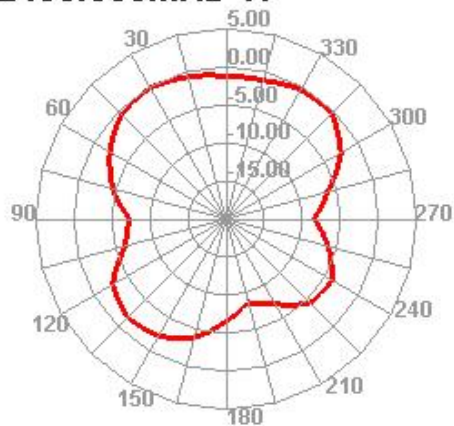


深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

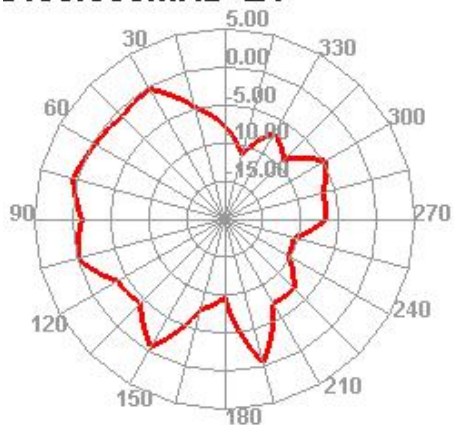
2450.000MHz



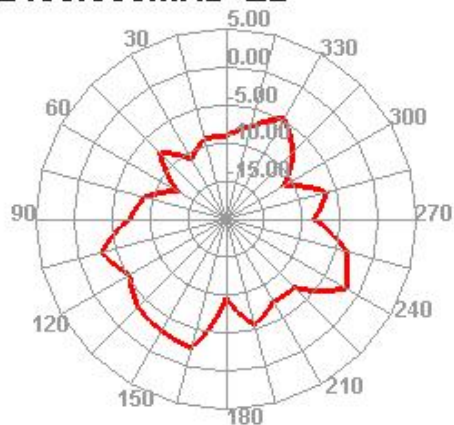
2450.000MHz H



2450.000MHz E1



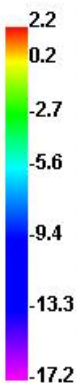
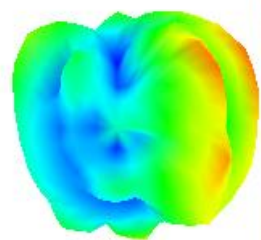
2450.000MHz E2



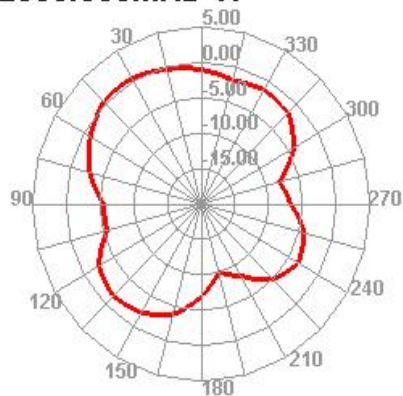


深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

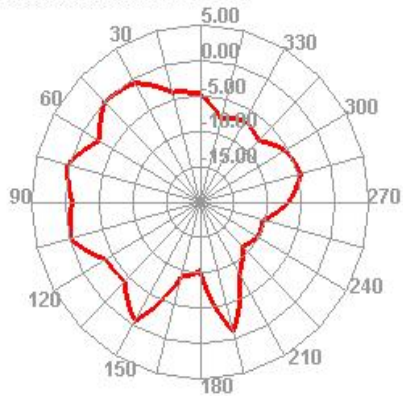
2500.000MHz



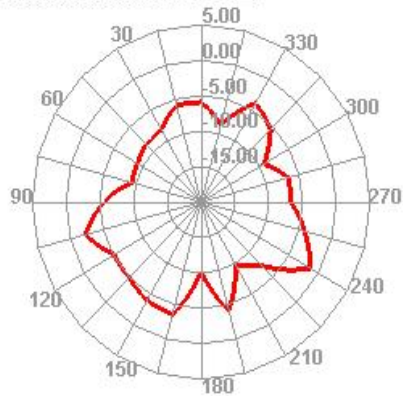
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



公司地址：深圳市宝安区福永镇重庆路新福工业园 B5 栋 4 楼

Address: 4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road, Baoan District, Shenzhen

电话/Tel:0755-27211658

传真/Fax:0755-29485750



深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

产品 ROHS 证书

Certificate

Certificate Number: UNIB23083106HC-01



Product: 5G/4G/WIFI/GPS/BT antenna
Applicant: ShenZhen ShunDaCheng Technology Co., Ltd.
4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road,
Baoan District, Shenzhen
Manufacturer: N/A
Model No.: N/A
Trade Name: 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: UNIB23083106HR-01.

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

RoHS

Sep. 06, 2023
Issue Date

Hoffer Lau
Hoffer Lau



Shenzhen United Testing Technology Co., Ltd.

Shenzhen: D101&D401, No. 107, Kaicheng High-Tech Park, Taoyuan Community, Dalang, Sub-District
Longhua District, Shenzhen, Guangdong, China/518109
Guangzhou: No. 47-3, Industrial Road, Zhushan, Dalong Street, Panyu District, Guangzhou, Guangdong,
China/511450;
101/F, Building 2, Tongxin Industrial Park, Xinqiao Village, Dalong Street, Panyu District, Guangzhou,
Guangdong, China/511450
Tel: +86-755-86180996/+86-020-39277769 Fax: +86- 0755-86180156
Web Site: www.uni-lab.hk/ E-mail: hofferlau@uni-lab.hk



Certificate of Compliance

公司地址: 深圳市宝安区福永镇重庆路新福工业园 B5 栋 4 楼

Address: 4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road, Baoan District, Shenzhen

电话/Tel: 0755-27211658

传真/Fax: 0755-29485750