

SPECIFICATION FOR APPROVAL

Customer Name	Qianhai	Zhuo News Zhang N	anyuan		
Customer Project Name	ZX-KL66	SDC Project Name	ZX-KL66		
Customer P/N		SDC P/N	T170-K1131-350-26		
Band	WIFI2. 4 G/BT				
Version	A0				
	Designer Information				
RF Engineer	Yong-hui Yang	R&D Diretor	FuXueRong		
ME Engineer	Huang Zongbao				

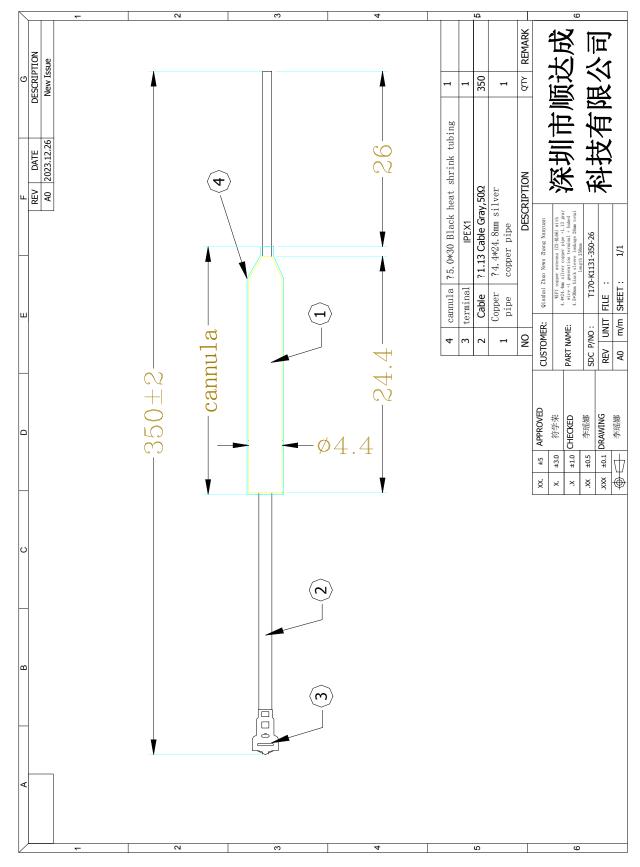
	Арр	roval		Customer	Approval
	Prepared By	Checked By	Approval By	Checked By	Approval By
Signature	Huang Zongbao	Yong-hui Yang	FuXueRong		
Date	2023. 12. 26	2023. 12. 26	2023. 12. 26		

		Change Log		
Version	Change Description	Person in Charge	Approval By	Date

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Drawing or Product Image



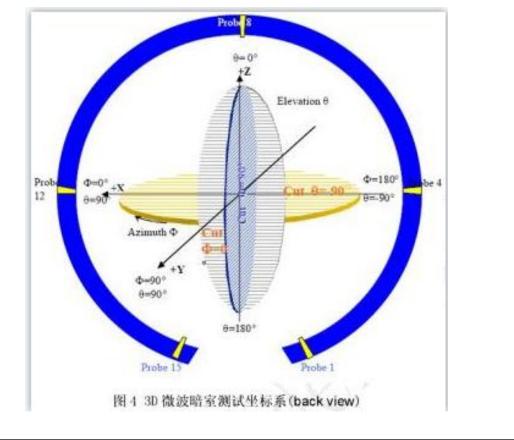
Sample Dimensions Test Report

Test Date	2023. 12. 26	Sample Qty.	3	Inspector	Xu Yanfang
Dimension No.	Standard	Sample 1	Sample 2	Sample 3	Pass/NG
①diameter	4.4±0.2mm	4. 4	4. 5	4.4	Pass
②Length	24.8±0.2mm	24. 8	24. 9	24. 8	Pass
④Line length	350±2mm	350	350	351	Pass
	Conc	lusion			PASS
Inspector & Date	Xu Yanfang 202	23. 12. 26	Approval &D ate		

RF Performance Test Report

Antenna Test Equipment Introduction

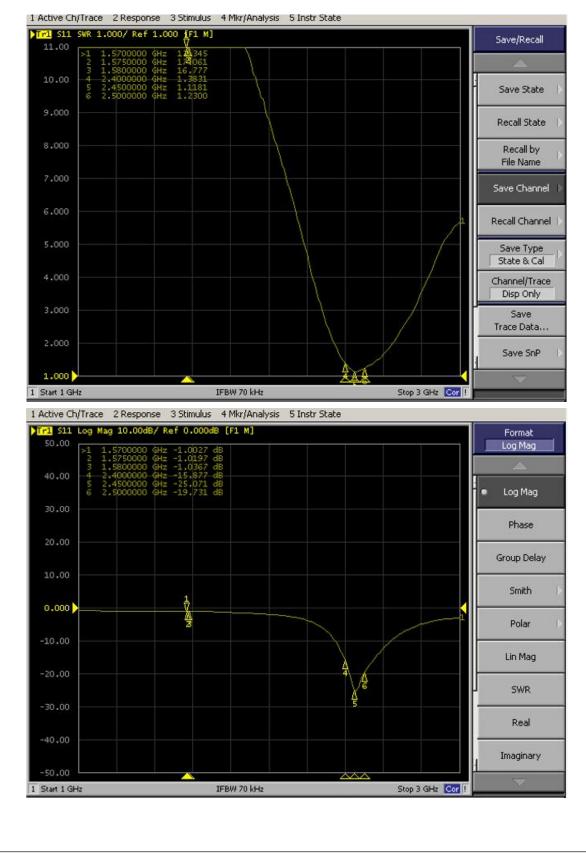
Test of antenna input characteristics using **Agilent E5071C and Agilent 5062A** vector network analyzer; The radiation pattern of the antenna are tested using the guangping 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the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

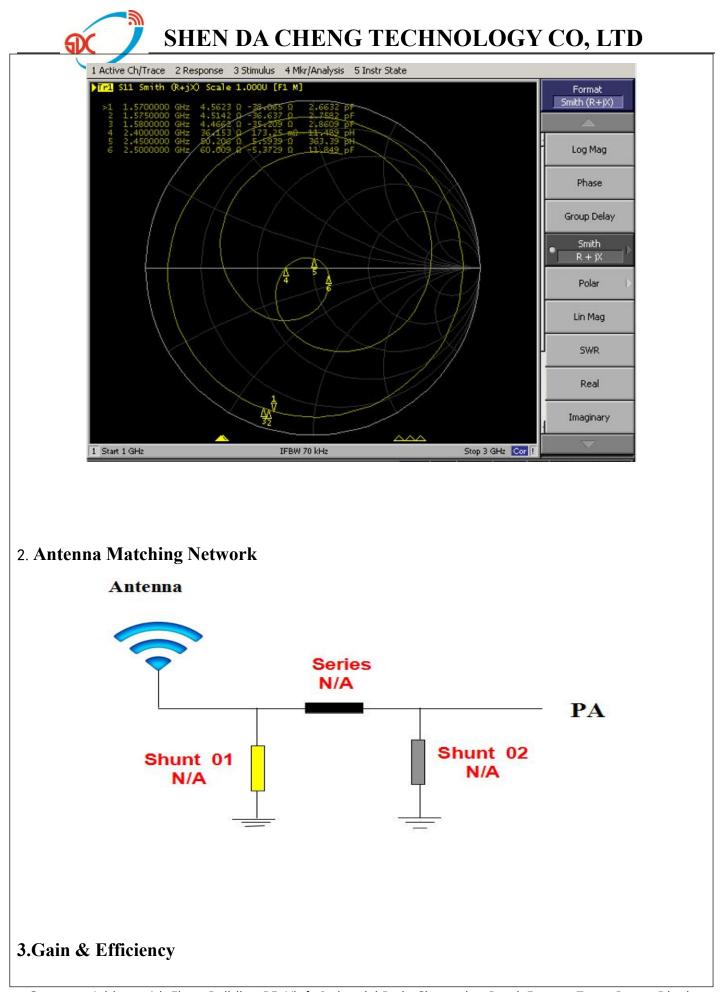


1. S11 Parameter-VSWR

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

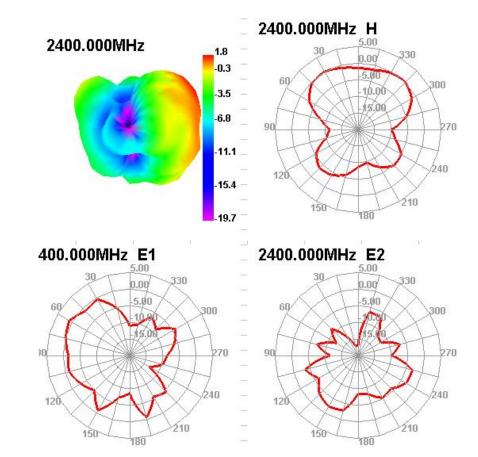


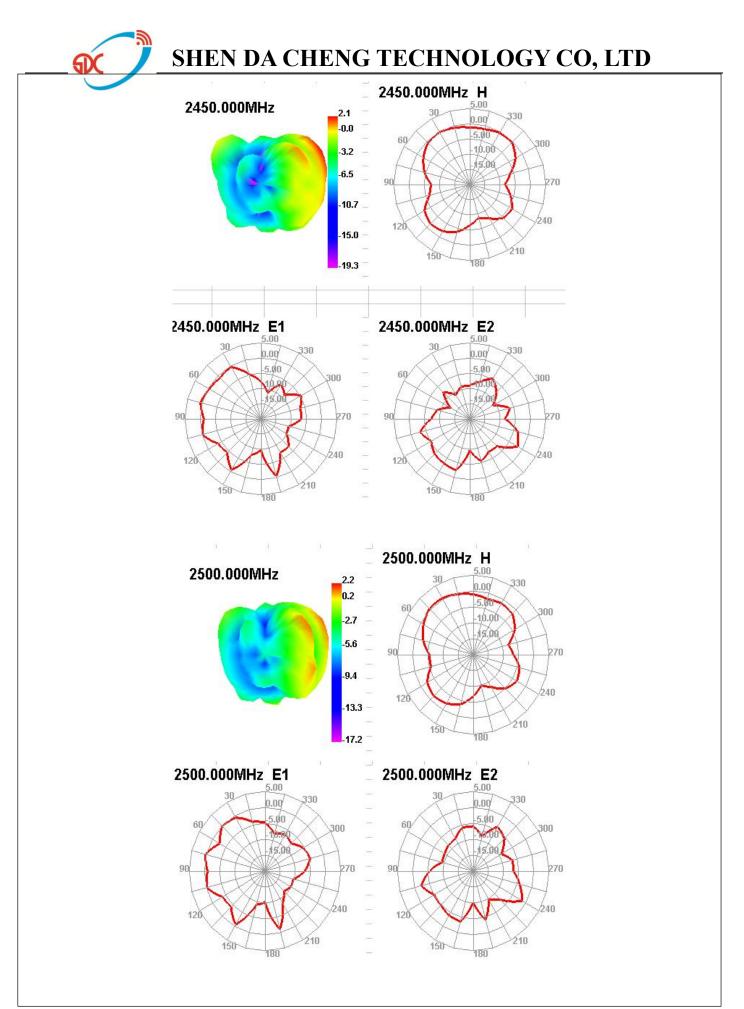




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	43.91	-3.57	1.84	-0.31	22.401	21.511	1.84	-19.67	49.25	48.85
2450	44.86	-3.48	2.13	-0.02	22.886	21.973	2.13	-19.33	49.5	49.28
2500	45.49	-3.42	2.16	0.01	23.63	21.862	2.16	-17.15	49.61	49.52

5.00





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Reliability Test Report

Test Date	2023. 12. 26	Sample Qty.	3	Inspector	Xu Y	anfang
Test Item	Requirement	testing equipment	Sample 1	Sample 2	Sample 3	PASS/NG
High temperatur e storage	The test was carried out after 24H exposure at +85℃ and 2H recovery	Constant temperature and humidity box	ОК	ОК	ок	Pass
Low temperatur e storage	The test was carried out after 24H exposure at -40℃ and 2H recovery	Constant temperature and humidity box	ОК	ОК	ок	Pass
High temperatur e work	At +60°C for 24H	Constant temperature and humidity box	ОК	ОК	ок	Pass
Work in low temperatur e	At -20℃ under the condition of power work for 24H	Constant temperature and humidity box	ОК	ОК	ОК	Pass
Salt spray test	The pH value was 6.5 ~ 7.2, and the temperature of the experimental chamber was (35± 2)℃ □24H ☑48H	Salt spray testing machine	ОК	ОК	ок	Pass
Connector riveting and drawing force	1.13 线径 ≥10N 0.81 线径 ≥8N RG174 ≥60N RG178 ≥50N	Push pull meter	≥10N	≥10N	≥10N	Pass
		Conclusion				Pass
Inspector & Date	Xu Yanfang 2023. 1	2. 26	Approval &D ate			



Install Wizard or Other

Installation process:

Take 1PCS of products and tear off the release paper on the back of the FPC by hand. Then align the positioning holes of the FPC with the positioning holes of the shell (positioning bars or positioning wires) and attach them to the shell smoothly. The specific positions are shown in the figure below:

Precautions for installation:

After attaching the antenna, ensure that the FPC is fully attached to the shell;

The positioning hole is aligned with the position of the housing positioning column;

FPC edges are aligned with housing edges;

When connecting the antenna with terminal to the PCBA end of the motherboard, align the terminal first and then close it vertically.

When removing the antenna terminal, use a tool (such as a dedicated crowbar) to lift the terminal vertically. Do not pull the cable to remove the terminal directly



ROHS certificate of the product



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.

