



SHUN DA CHENG TECHNOLOGY CO., LTD

SPECIFICATION FOR APPROVAL

Customer Name	YingTong		
Customer Project Name	PF326QA	SDC Project Name	PF326QA
Customer P/N		SDC P/N	WF7104B-1131R-155
Band	<u>WIFI2. 4G/5. 8G</u>		
Version	A0		
Designer Information			
RF Engineer	Fu Xuerong	R&D Diretor	Xia Chenglei
ME Engineer	Wong Chung-po		

Approval				Customer Approval	
	Prepared By	Checked By	Approval By	Checked By	Approval By
Signature	Li Yaona	Xia Chenglei	Chen Huaming		
Date	2026. 06. 16	2026. 06. 16	2026. 06. 16		

Change Log				
Version	Change Description	Person in Charge	Approval By	Date



Catalogue

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Observed ○ = All through holes

25.6 ± 0.2

25 ± 0.2

155 ± 2

SDC PR328QA WF

Tear position

Note: The terminal head is facing down

REV	DATE	DESCRIPTION
A0	2026.06.16	New Issue

NO	DESCRIPTION	QTY	REMARK
3	Terminal IPEX1	1	
2	Cable ? 1.13 Cable Grey, 50Ω	155	
1	FPC FPC- Black oil black and white one half base material, do anti-oxidation treatment 3M 9471 back adhesive	1	

XX	±5	APPROVED	CUSTOMER:
X	±3.0	Fu Xuerong	Yingtong
X	±1.0	CHECKED	WIFI antenna (PR328QA)
XX	±0.5	Li Yona	FPC (oil-black and white one half base material, do anti-oxidation treatment 3M 9471 back adhesive)
XXX	±0.1	DRAWING	SDC P/NO : WF7104B-1131R-155

REV	UNIT	FILE	SHEET
A0	m/m	1/1	1/1

Shenzhen City shun reach Technology Co., LTD.



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Sample Dimensions Test Report

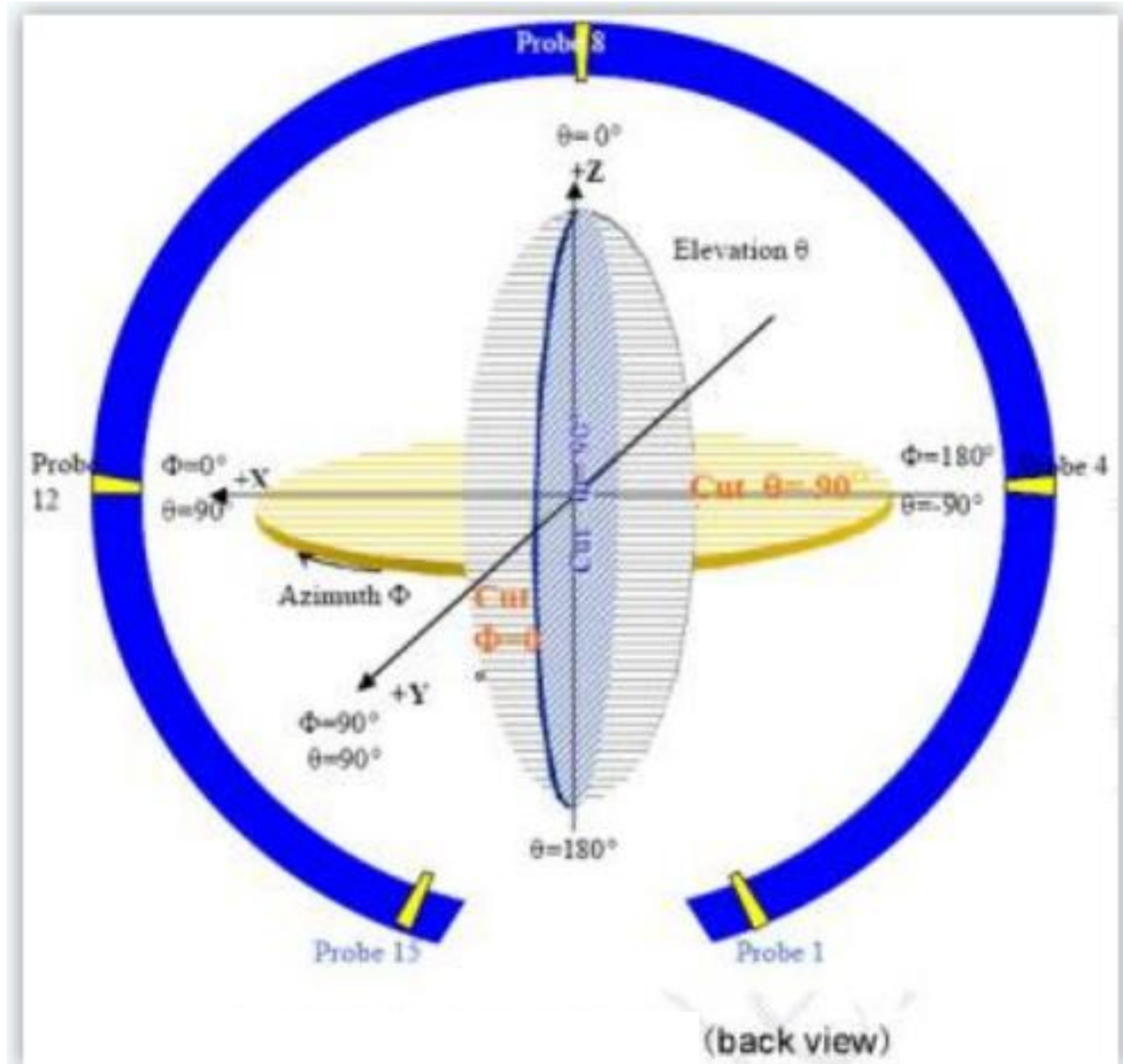
Test Date	2026. 06. 16	Sample Qty.	3	Inspector	Xu Yanfang
Dimension No.	Standard	Sample 1	Sample 2	Sample 3	Pass/NG
①length	25. 6±0. 2mm	25. 6	25. 7	25. 7	Pass
②width	25±0. 2mm	25	25. 1	25	Pass
③thickness	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④wire length	155±2mm	155	156	156	Pass
Conclusion					PASS
Inspector & Date	Xu Yanfang 2026. 06. 16		Approval & Date		



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:

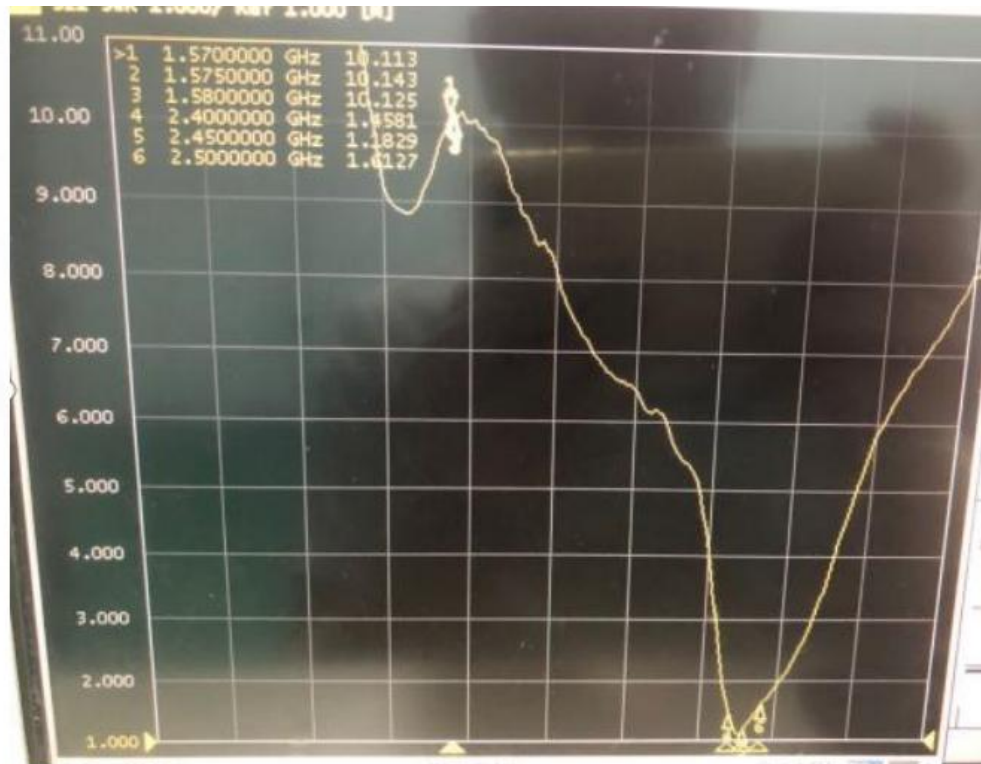


1. **S11 Parameter-VSWR**

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



Frequency(MHz)	2400	2450	2500
VSWR	1.45	1.18	1.61

2. Antenna Matching Network

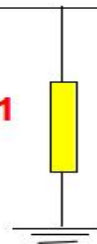
Antenna



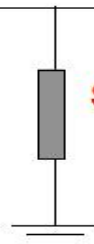
Series
N/A

PA

Shunt 01
N/A



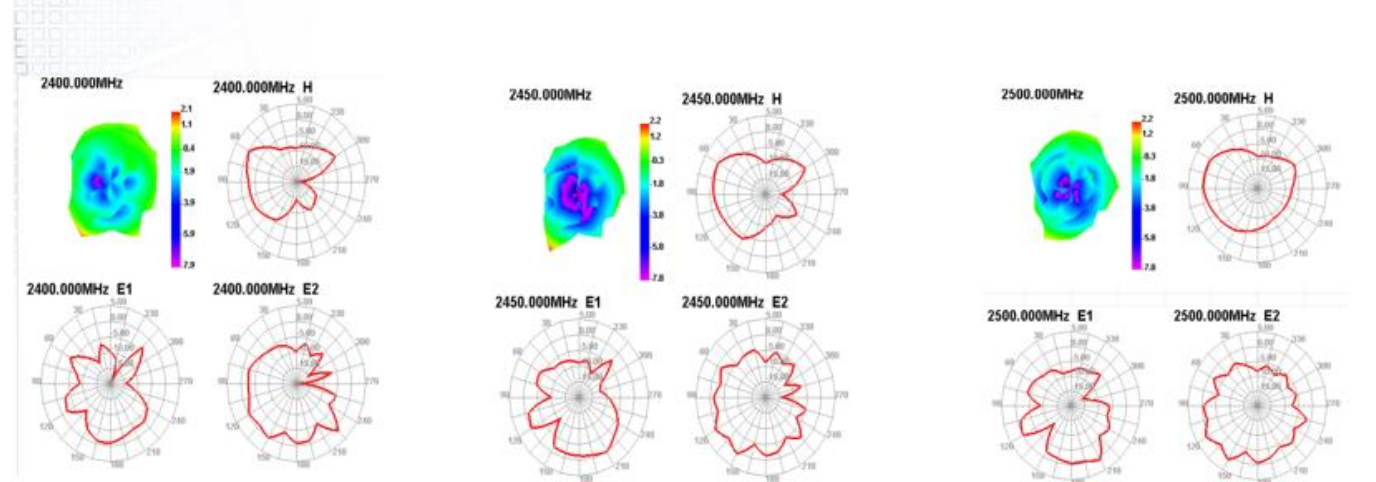
Shunt 02
N/A





3. Gain & Efficiency

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	42.49	-3.72	2.07	-0.08	24.575	21.633	2.07	-23.62	3.72	75	48.23	48.39
2425	41.43	-3.83	1.61	-0.54	26.299	25.586	1.61	-19.29	3.83	75	48.32	48.45
2450	43.95	-3.1	2.22	0.07	29.997	31.904	2.22	-14.54	3.1	75	48.74	48.76
2475	42.83	-3.29	1.88	-0.27	30.056	34.937	1.88	-16.64	3.29	45	49.07	49
2500	45.26	-3.44	2.18	0.03	29.478	36.503	2.18	-17.22	3.44	45	49.2	49.11



4. WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	14.19	14.53	14.06
TIS	-80.03	-80.28	-80.52



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Reliability Test Report

Test Date	2026. 06. 16	Sample Qty.	3	Inspector	Xu Yanfang	
Test Item	Requirement	testing equipment	Sample 1	Sample 2	Sample 3	PASS/NG
High temperature storage	The test was carried out after 24H exposure at +85℃ and 2H recovery	Constant temperature and humidity box	OK	OK	OK	Pass
Low temperature storage	The test was carried out after 24H exposure at -40℃ and 2H recovery	Constant temperature and humidity box	OK	OK	OK	Pass
High temperature work	At +60℃ for 24H	Constant temperature and humidity box	OK	OK	OK	Pass
Work in low temperature	At -20℃ under the condition of power work for 24H	Constant temperature and humidity box	OK	OK	OK	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	OK	OK	OK	Pass
Connector riveting and drawing force	1. 13Wire diameter ≥ 10N 0. 81Wire diameter ≥ 8N RG174 ≥60N RG178 ≥50N	Push pull meter	≥10N	≥10N	≥10N	Pass
Conclusion						Pass
Inspector & Date	Xu Yanfang 2026. 06. 16		Approval & Date			

Company Address: 4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Baoan District, Shenzhen Telephone :0755-27211658 Fax :0755-29485750



Packing rules

Project name: PF326QA	Product name: FPC antenna
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FPC antenna (one)

↓



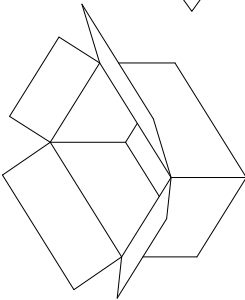
(two) Each PE bag contains 100pcs of products (subject to actual packaging)

↓



(three) Then put the small antenna bag neatly into (Figure 3) and fill 10 small bags (the actual packaging shall prevail).

↓



(four) The packaged antenna can be put into a carton, which can hold 5 large bags, each box can hold 5000PCS (Figure 4). (Subject to actual packaging)

↓

supplier	
purchase order number	
material code	
specifications and models	
quantity	
date	

(five) After the packaging is completed, the shipping label should be affixed (Figure 5).



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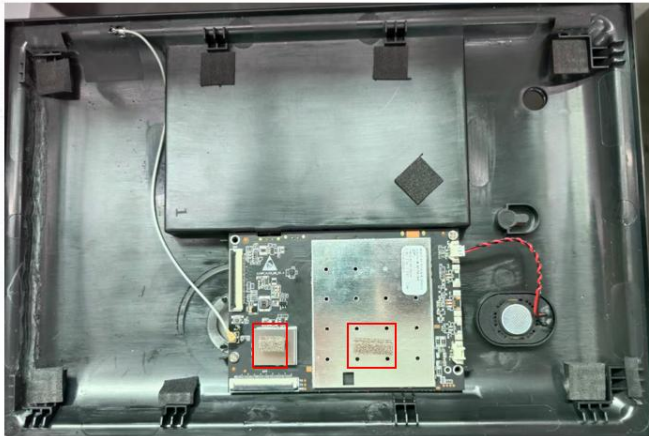
Install Wizard or Other

Installation process:

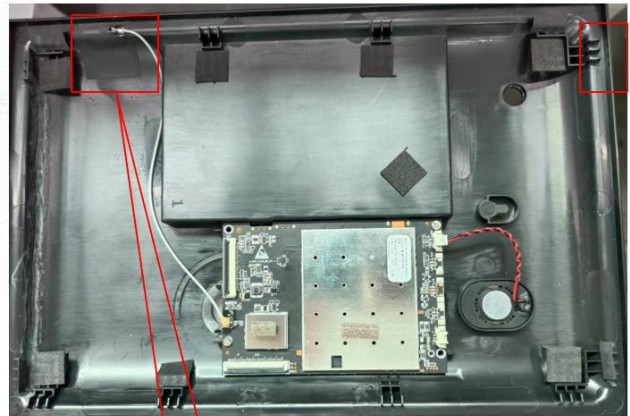
Take 1PCS of products and tear off the release paper on the back of the FPC by hand. Then align the positioning holes of the FPC with the positioning holes of the shell (positioning bars or positioning wires) and attach them to the shell smoothly. The specific positions are shown in the figure below:

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



主板屏蔽罩贴导电海绵



WiFi天线



SHUN DA CHENG TECHNOLOGY CO., LTD

ROHS

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, China/511450;

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Tel: +86-755-86180996/+86-020-39277769

Web Site: www.uni-lab.hk/ E-mail: hofferlau@uni-lab.hk



Certificate of Compliance

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