



Shenzhen Yuke Electronics Co., Ltd.

Informed Consent Form Number:

Supplier: SHUN DA CHENG TECHNOLOGY CO., LTD

Project: MT1402LK

Material name: Sanhe Antenna

Material specifications: WIFI & BT & GPS integrated antenna / FPC + 4th-generation terminal coaxial cable / Dimensions: 36.3 ×

22.38 × 0.23 mm / Cable length: 115 mm / Straight-through / MT1402LK

Material color: Black

Material code: A03016000000472

Supplementary ☐ Standard 2D drawings ☐ Full-scale measurement report ☐ (CPK ☐). Environmental
☐ Sample Test Report. ☐ Packaging Method ☐ Instructions ☐ Product SPEC. List of Key
☐ Quality Control Plan Physical ☐ Anatomy Diagram ☐ Process Film Diagram

Sample submission 2026-07-28

Sample size: The sample acceptance form shall be prepared in triplicate, with a total of 5 samples to be submitted

Sample type: Mass production sample

Reason for sample ☐ New products ☐ New molds ☐ New suppliers ☐ Mold modifications ☐ Engineering changes

Regular ☐ Qualified ☐ Unqualified ☐ Others:

reliability test : ☐ Qualified ☐ Unqualified ☐ Others:

Small batch ☐ Qualified ☐ Unqualified ☐ Others:

assessment ☐ Limited quantity available ☐ Fully approved ☐ Others:

Note:

Supplier sample preparation confirmation: (must be stamped)

lay down	examine and verify	ratify	character	commercial affairs
Wong Chung-po 2026.07.28	Yang Yonghui 2026.07.28	Chen Huaming 2026.07.28	Xu Yanfang 2026.07.28	

Yuke Electronics approved:

Hardware confirmation	structure confirmation	Project confirmation	technical approval	reliability confirmation	Quality confirmation
Note:	1. All acknowledgments shall uniformly adopt this cover design; 2. This acknowledgment document must be accompanied by the supplier's acknowledgment letter, reliability test report, and third-party environmental compliance report; 3. The content must be complete without omissions or errors, with clear drawings that specify product appearance and color, dimensions, material, coating type, coating specifications, and tolerance ranges.				



Antenna – Acknowledgment Check List

I. Manufacturers shall provide basic data:

Material Number:	WG7084B-0814R-115	Acknowledgment form version:	V1.0
project name :	MT1402LK	Cooperative manufacturers:	SHUN DA CHENG TECHNOLOGY CO., LTD
part name :	MT1402LK		

II. Manufacturers shall provide product data:

1. Antenna type:

a. ☐ Pull rod Material type and specifications _____

☐ b. Metal stamping: Material type and specifications _____; Spring plate thickness: _____; Salt spray test duration: _____.

☐ c. FPC Material Type and Specifications: FPC half-on-half substrate with anti-oxidation treatment; gold finger patterned gold thickness: _____

FPC, Back adhesive type: 3M 9471 Back adhesive Supplier: _____
adhesive type: 3M 9471 Back adhesive Supplier: _____

FPC, Back

☐ d.LDS substrate material: _____, supplier : _____; Thickness of gold coating: _____; Salt spray duration: _____.

III. The manufacturer shall attach relevant documents below the acknowledgment letter; the electronic version of the documents (pdf) shall be emailed to Yuke Electronics:

☐ 1. Standard 2D drawings and full (key) dimension measurement ☐ report 2. Material ☐ certification ☐ certificate 3. Packaging method 4. BOM list

☐ 5. Antenna performance test report (including data such as TRP, TIS, SAR, frequency and phase errors, as well as environmental processing images of the entire device; GPS must include actual measurement images)

6. ☐ Reliability Test Report 7 ☐ . ROHS Declaration

IV. Confirmation Column

Supplier signs and affixes company seal		Sign and affix the controlled seal	
vocational work		structural engineering	Wong Chung-po 2026.07.28
		hardware test	Yang Yonghui 2026.07.28
research and development	Yang Yonghui 2026.07.28	SQE	
character	Xu Yanfang 2026.07.28	project manager	Chen Huaming 2026.07.28

V. Change Record Column

Creation/Change Date	Reason for change	Change content	edition

Note: The sample acceptance certificate shall be prepared in triplicate, with a total of 5 samples required. Suppliers must deliver goods according to the accepted samples. FPC shall include high-temperature and high-humidity testing, and the BOM shall specify the 3M back adhesive model



SHUN DA CHENG TECHNOLOGY CO., LTD

SPECIFICATION FOR APPROVAL

Customer Name	YuKe		
Customer Project Name	MT1402LK	SDC Project Name	MT1402LK
Customer P/N	A03016000000472	SDC P/N	WG7084B-0814R-115
Band	<u>WiFi2. 4G/5G/GPS/BT</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. 07. 28	2026. 07. 28	2026. 07. 28		

Change Log				
Version	Change Description	Person in Charge	Approval By	Date



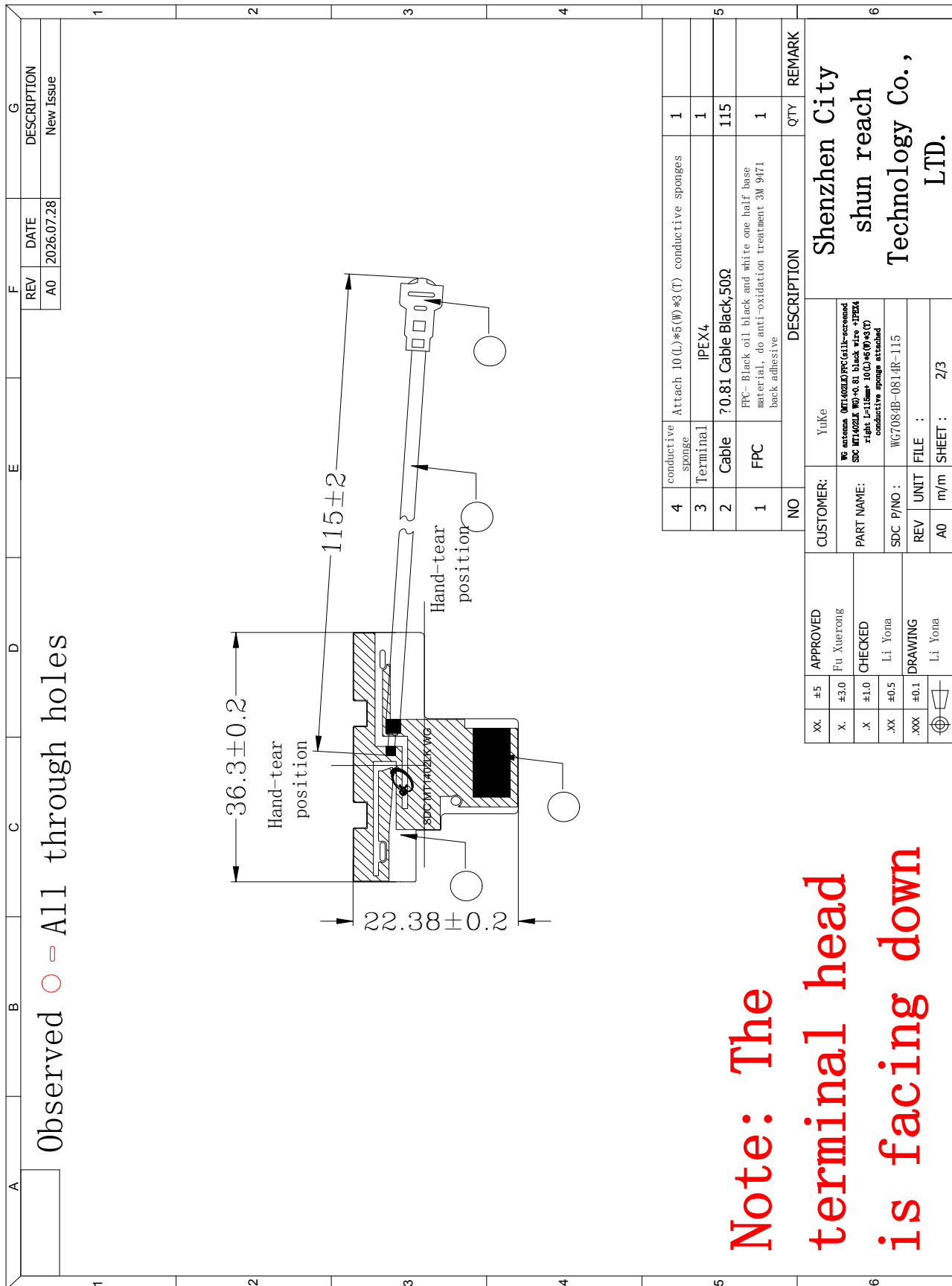
SHUN DA CHENG TECHNOLOGY CO., LTD

Catalogue

No.	Item	Page No.
1	Drawing or Product Image	3/5
2	Dimensions Test Report	4/6
3	RF Performance Test Report	7-9
4	Reliability Test Report1	10
5	Package Document	11
6	RoHS Control list for Sample	12
7	Install Wizard or Other	12



Drawing or Product Image





SHUN DA CHENG TECHNOLOGY CO., LTD

Sample Dimensions Test Report

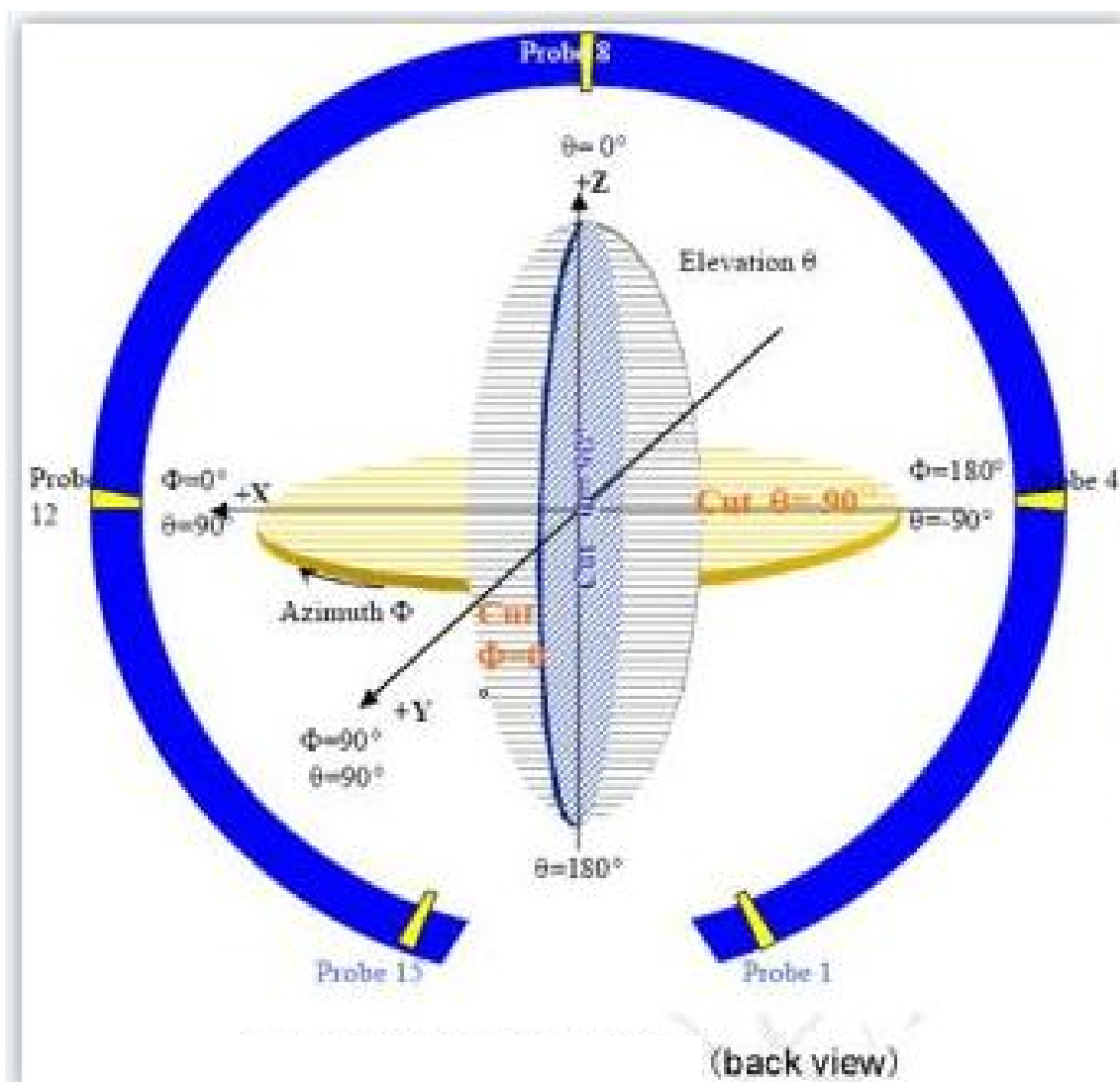
Test Date	2026. 07. 28	Sample Qty.	3	Inspector	Xu Yanfang
Dimension No.	Standard	Sample 1	Sample 2	Sample 3	Pass/NG
①length	36. 3±0. 2mm	36. 3	36. 4	36. 3	Pass
②width	22. 38±0. 2mm	22. 4	22. 5	22. 4	Pass
③thickness	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④wire length	115±2mm	115	116	115	Pass
Conclusion					PASS
Inspector & Date	Xu Yanfang 2026. 07. 28		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

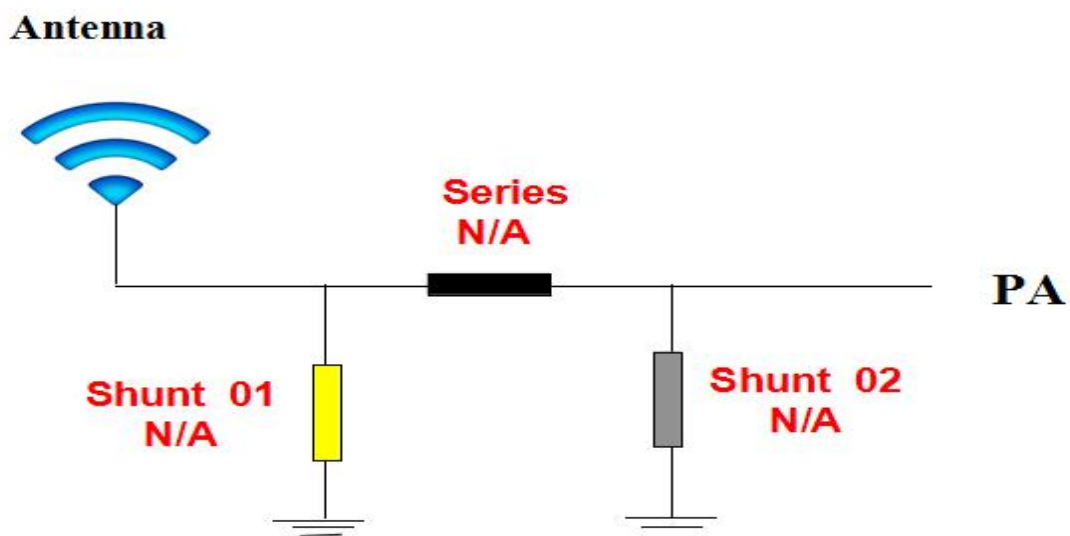


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Frequency (MHz)	1570	1575	1580	2400	2450	2500	5150	5720	5850
VSWR	1.77	1.83	1.90	1.23	1.29	1.54	1.38	1.78	1.56

2. Antenna Matching Network



3. Gain & Efficiency

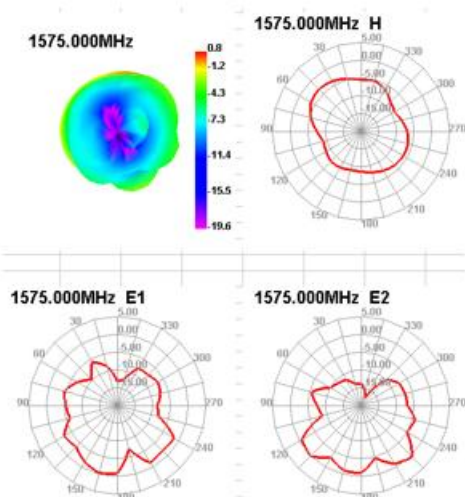
Company Address: 4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Baoan District, Shenzhen Telephone :0755-27211658 Fax :0755-29485750



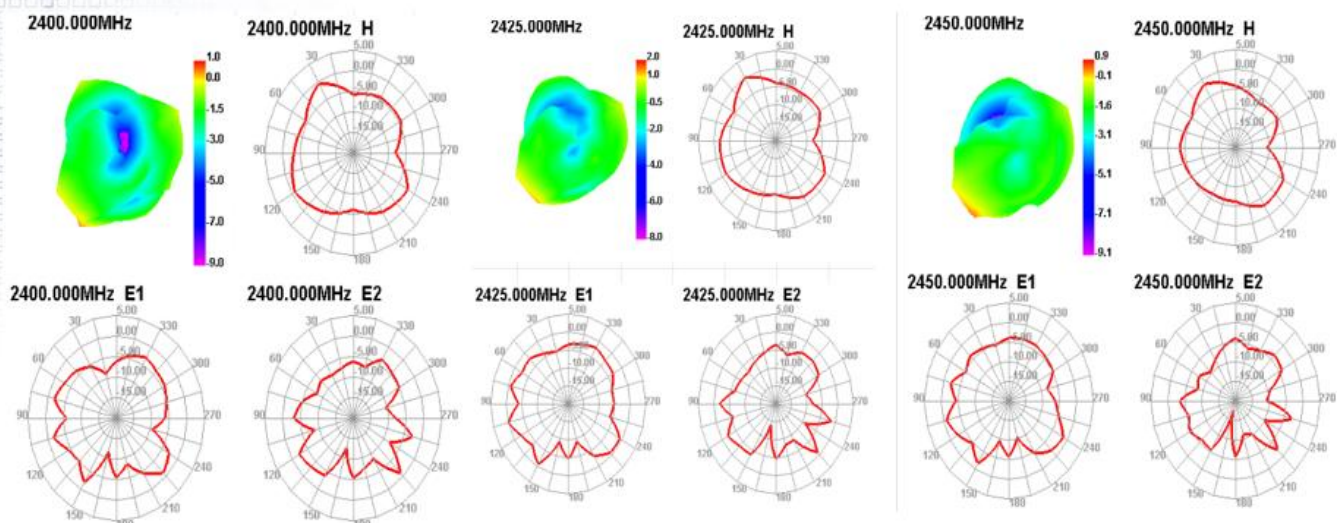
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Passive Test For GPS-RB										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
1500	32.5	-3.14	2.8	0.65	16.66	31.838	0.8	-20.4	43.83	44.08
1525	32.86	-3.2	0.59	0.44	15.309	32.552	0.59	-21.47	43.89	43.93
1550	43.28	-3.64	1.82	-0.33	12.607	30.669	1.82	-15.36	44.11	44.11
1575	38.85	-4.58	0.81	-1.34	9.312	25.539	0.81	-19.56	44.82	44.78
1600	34.74	-4.59	0.67	-1.48	10.102	24.642	0.67	-20.95	46.1	45.91

1500.00MHz - 1600.00MHz Gain



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	43.54	-3.61	1.03	-1.12	20.581	22.962	1.03	-15.9	4.64	15	48.93	49.09
2425	45.48	-2.97	1.96	-0.19	23.926	26.555	1.96	-16.48	4.93	15	49.09	49.22
2450	36.53	-4.37	0.87	-1.28	17.136	19.397	0.87	-19.74	5.24	15	49.25	49.27
2475	35.97	-4.44	0.52	-1.63	17.205	18.763	0.52	-23.22	4.96	75	49.98	49.91
2500	36.94	-4.32	0.32	-1.83	17.676	19.267	0.32	-18.36	4.64	75	49.71	49.62

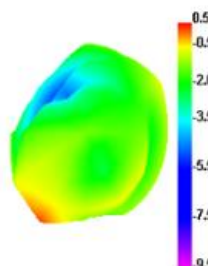




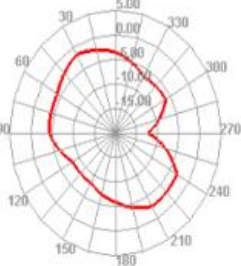
SHUN DA CHENG TECHNOLOGY CO., LTD

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Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
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2425	45.48	-2.97	1.96	-0.19	23.926	26.555	1.96	-16.48	4.93	15	49.09	49.22
2450	36.53	-4.37	0.87	-1.28	17.136	19.397	0.87	-19.74	5.24	15	49.25	49.27
2475	35.97	-4.44	0.52	-1.63	17.205	18.763	0.52	-23.22	4.96	75	49.98	49.91
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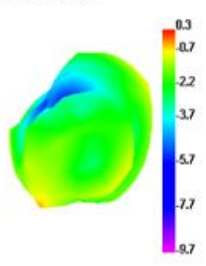
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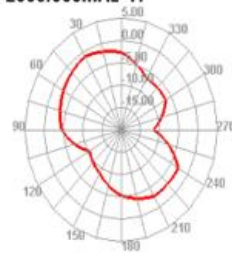
2475.000MHz H



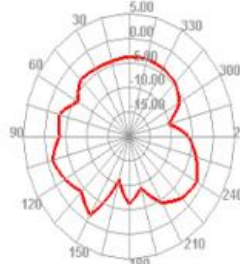
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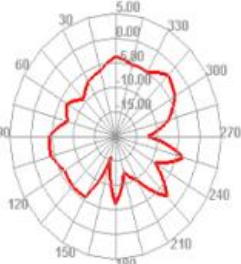
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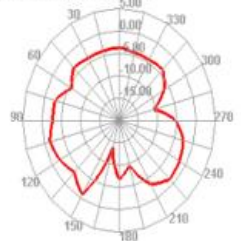
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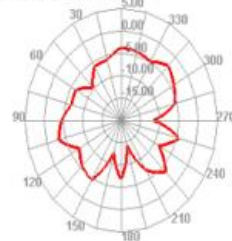
2475.000MHz E2



2500.000MHz E1

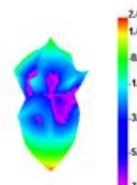


2500.000MHz E2

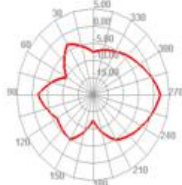


Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	42.13	-3.75	2.36	0.21	16.688	25.441	2.36	-12.69	6.11	0	58.6	58.01
5250	36.5	-4.38	1.37	-0.78	16.245	20.256	1.37	-11.52	5.75	30	58.53	57.74
5350	33.61	-4.73	1.07	-1.08	14.487	19.127	1.07	-15.18	5.81	60	57.99	57.08
5450	38.75	-4.12	2.03	-0.12	14.442	24.308	2.03	-15.14	6.15	0	59.19	57.9
5550	43.16	-3.65	2.14	-0.01	15.599	27.564	2.14	-19.43	5.79	60	60.21	58.81
5650	45.41	-3.43	2.1	-0.05	16.711	28.699	2.1	-20.47	5.53	0	60.31	59.42
5750	46.58	-3.32	2.17	0.02	17.996	28.581	2.17	-18	5.49	30	60.88	60.28
5850	44.83	-3.48	2.78	0.63	18.496	26.336	2.78	-23.77	6.27	30	61.09	60.41

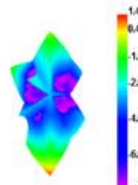
5150.000MHz



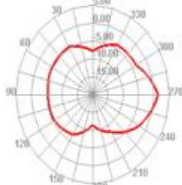
5150.000MHz H



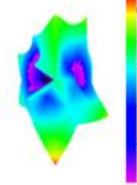
5250.000MHz



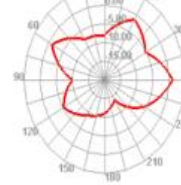
5250.000MHz H



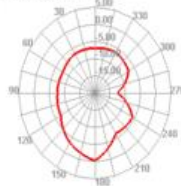
5350.000MHz



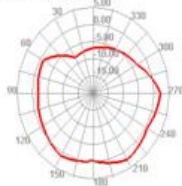
5350.000MHz H



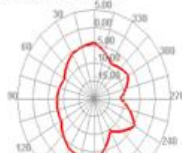
5150.000MHz E1



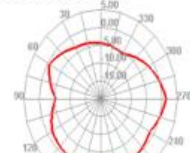
5150.000MHz E2



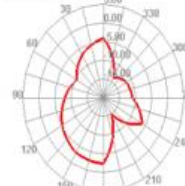
5250.000MHz E1



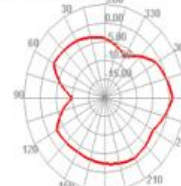
5250.000MHz E2



5350.000MHz E1



5350.000MHz E2

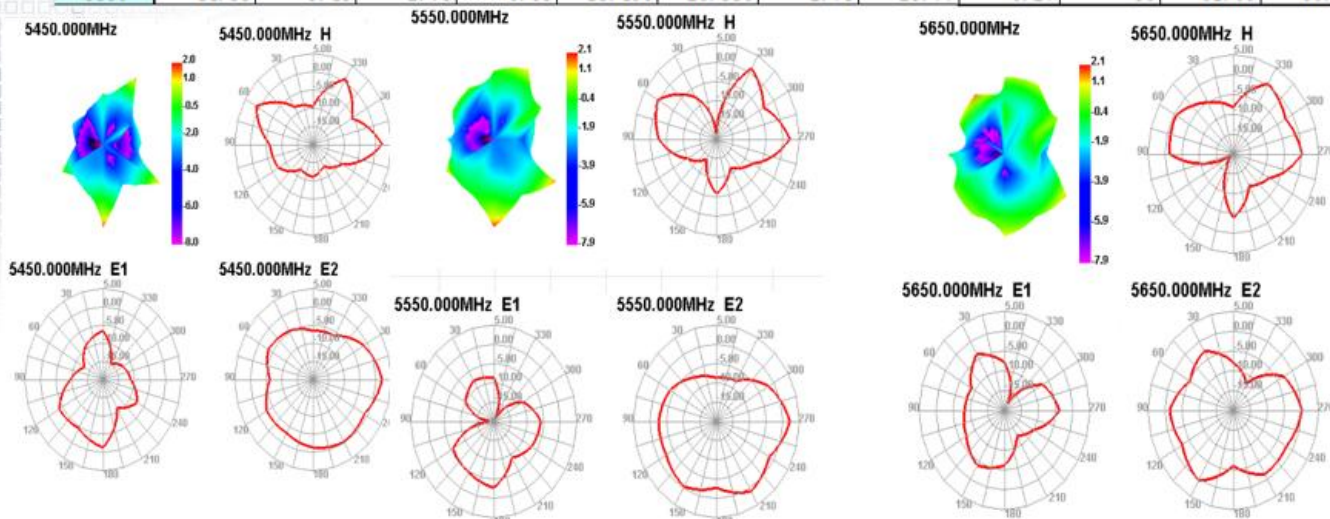


Company Address: 4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Baoan District, Shenzhen Telephone :0755-27211658 Fax :0755-29485750

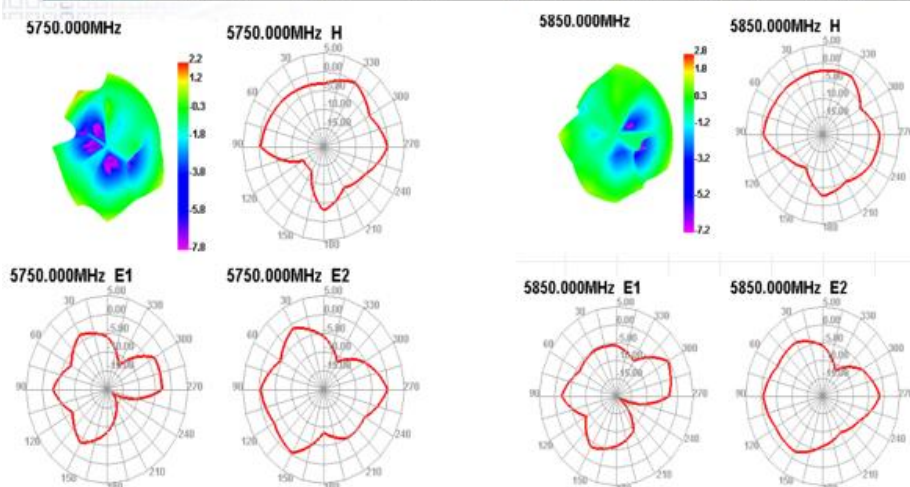


SHUN DA CHENG TECHNOLOGY CO., LTD

Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	42.13	-3.75	2.36	0.21	16.688	25.441	2.36	-12.69	6.11	0	58.6	58.01
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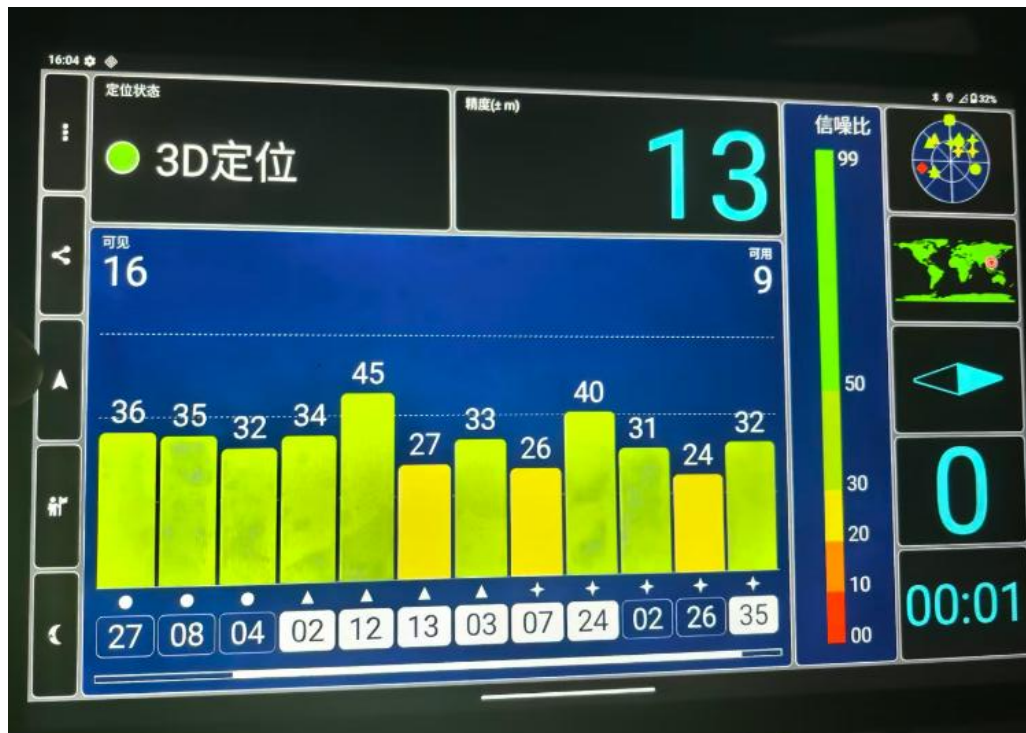
Company Address: 4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Baoan District, Shenzhen Telephone :0755-27211658 Fax :0755-29485750



4. WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	12.96	12.87	12.44
TIS	-79.75	-80.17	-79.65
5.8G	802.11a, (5.8G) 54M		
Channel	CH36	CH60	CH161
TRP	11.24	11.57	11.39
TIS	-71.38	-70.28	-70.11

5. GPS



**Reliability Test Report**

Test Date	2026. 07. 28	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. 07. 28		Approval & Date			



Packing rules

Project name: MT1402LK

Product name: FPC antenna

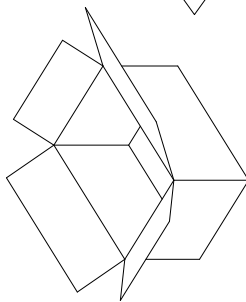
FPC antenna (one)



(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).



SHUN DA CHENG TECHNOLOGY CO., LTD

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:

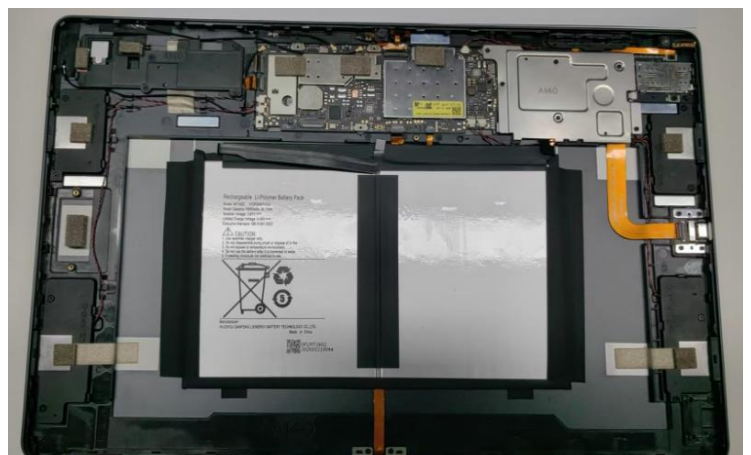
- ☐ After attaching the antenna, ensure that the FPC is fully attached to the shell;
- ☐ The positioning hole is aligned with the position of the housing positioning column;
- ☐ FPC edges are aligned with housing edges;
- ☐ When connecting the antenna with terminal to the PCBA end of the motherboard, 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



The copper leakage area of the motherboard needs to be grounded with conductive sponge.



Conductive cloth needs to be used to shield the screen interface. Conductive bullies need to be used above the antenna foam
To the screen and black border **So that the antenna foam can be stably grounded.**



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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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Certificate of Compliance

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