

Shenzhen Jintaiyi Electronics Co., Ltd.									
sample INFORMED CONSENT FORM									
						Sample submission date		2026.05.09	
Supplier name:		Shenzhen Shundacheng Technology Co., Ltd.							
project name:		Three-element antenna_KC009							
part name :		WG6697B-0814R-87							
Part Description:		WBG Three-in-One Antenna_KC009_35 IPEX 4th Generation Terminal (0.81mm²), Black, L=87mm; KC008_35 Wi-Fi (WBG) GOT_09							
Part Number:		3.16.05127							
General Project Model									
Key detection items:	structure								
	hardware								
	software								
	surface								
Structural Engineer Confirmation:				Senior Architect Confirmation:					
Project Department Opinion:									
ID engineer confirmation:				ID Manager confirms:					
Quality Department Opinion:									
Project Quality Engineering Certification:									
Hardware engineer confirmation:		Radio frequency engineer		Audio engineer confirmation:		Note: The above admission letter does not require a signature.			
Project Manager's approval of the plan:									
Packaging Engineer Confirmation:									
Sales Department Confirmation Opinion:									
Sales Order Confirmation:				Sales Manager Confirmation:					
Product Manager Confirmation:									
Reason for change and change points:									
Request change confirmation:									
character of admission statement:		☒ secular ☐ temporary ☐ Color Palette ☐ Structure Template ☐ Assembly template ☒ final instrument of recognition							
old admission processing:		☐ seal up for safekeeping ☐ cancel							
Notes: Structural Engineer: Responsible for certification document drawings and oversees structural design, dimensional specifications, and mold requirements for certification samples. Hardware (Audio/Radio Frequency) Engineer: Manages electrical performance drawings and hardware specifications for certification documents, ensuring electrical performance compliance of samples. Project Quality Engineer: Oversees all certification samples and implements quality standards. Packaging Engineer: Manages packaging-related materials, dimensions, drawings, and labeling information. Solution Project Manager: Responsible for software drivers and firmware related to certification documents, with no signature required. Product Project Manager: Responsible for certification material information, part numbers, and supplier selection during the R&D phase. Sales Order Tracking: Responsible for certification documents, sample specifications, and customer-specific requirements, with no signature required.									
						Form number: JTY-FM-PMD-002/B0			



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SPECIFICATION FOR APPROVAL

Customer Name	Jintaiyi		
Customer Project Name	KC009_35	SDC Project Name	KC009_35
Customer P/N	3. 16. 05127	SDC P/N	WG6697B-0814R-87
Band	WIFI2. 4G/5. 8G/GPS		
Version	A1		
Designer Information			
RF Engineer	Yang Yonghui	R&D Diretor	Fu Xuerong
ME Engineer	Li Yaona		

Approval				Customer Approval	
	Prepared By	Checked By	Approval By	Checked By	Approval By
Signature	Li Yaona	Yang Yonghui	Fu Xuerong		
Date	2026. 05. 09	2026. 05. 09	2026. 05. 09		

Change Log				
Version	Change Description	Person in Charge	Approval By	Date



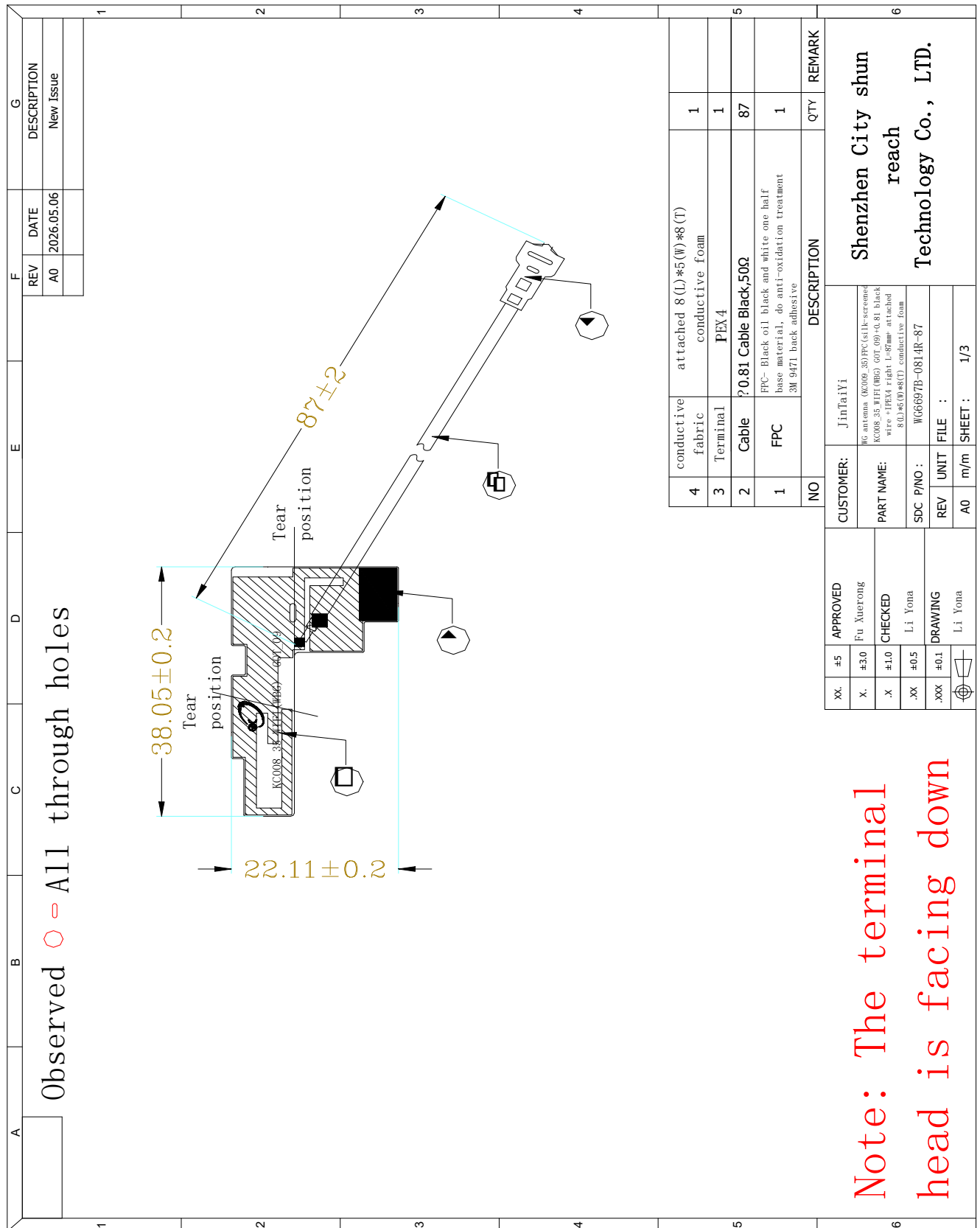
Catalogue

No.	Item	Page No.
1	Drawing or Product Image	3
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4	Reliability Test Report1	9
5	Package Document	10
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7	Install Wizard or Other	11



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Drawing or Product Image





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Sample Dimensions Test Report

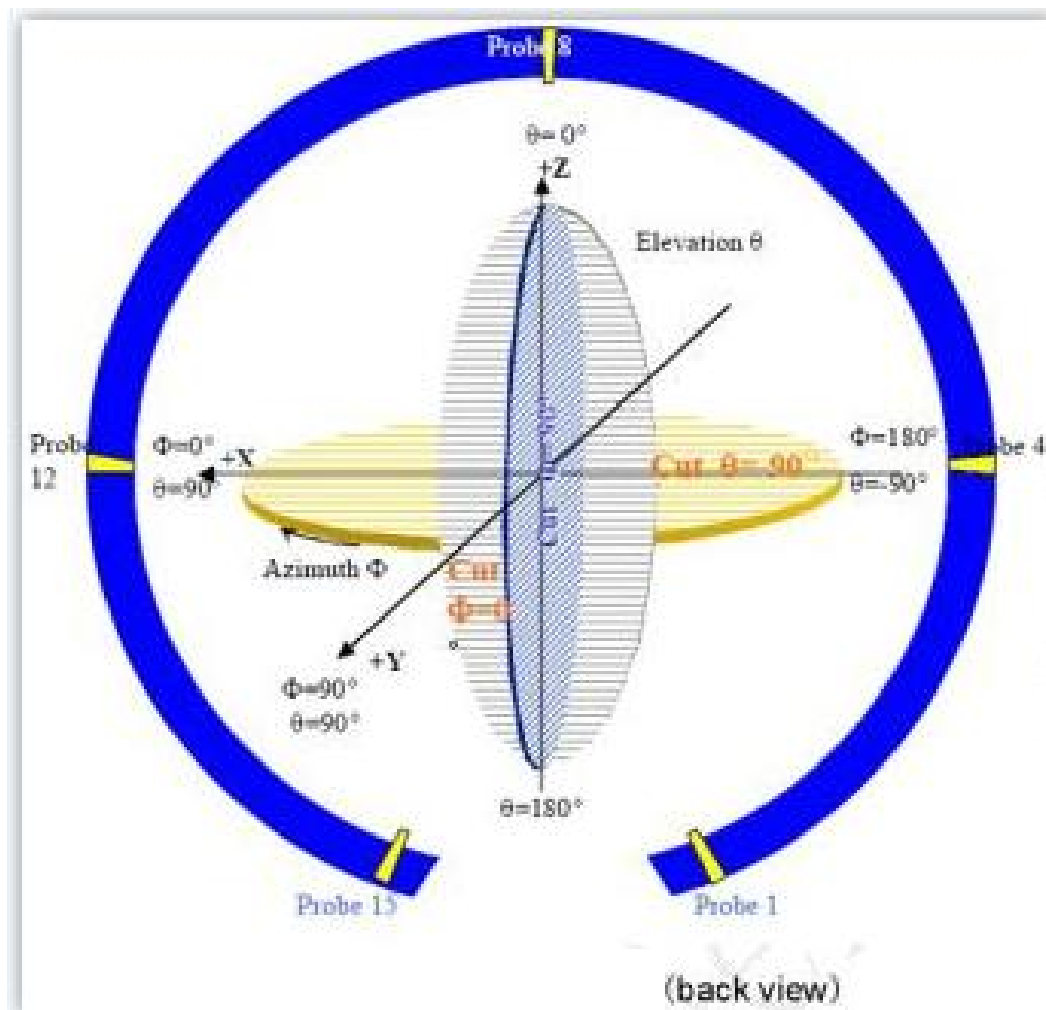
Test Date	2026. 05. 09	Sample Qty.	3	Inspector	Xu Yanfang
Dimension No.	Standard	Sample 1	Sample 2	Sample 3	Pass/NG
①length	38. 05±0. 2mm	38. 05	38. 1	38. 1	Pass
②width	22. 11±0. 2mm	22. 2	22. 2	22. 15	Pass
③thickness	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④wire length	87±2mm	87	88	87	Pass
Conclusion					PASS
Inspector & Date	Xu Yanfang 2026. 05. 09		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

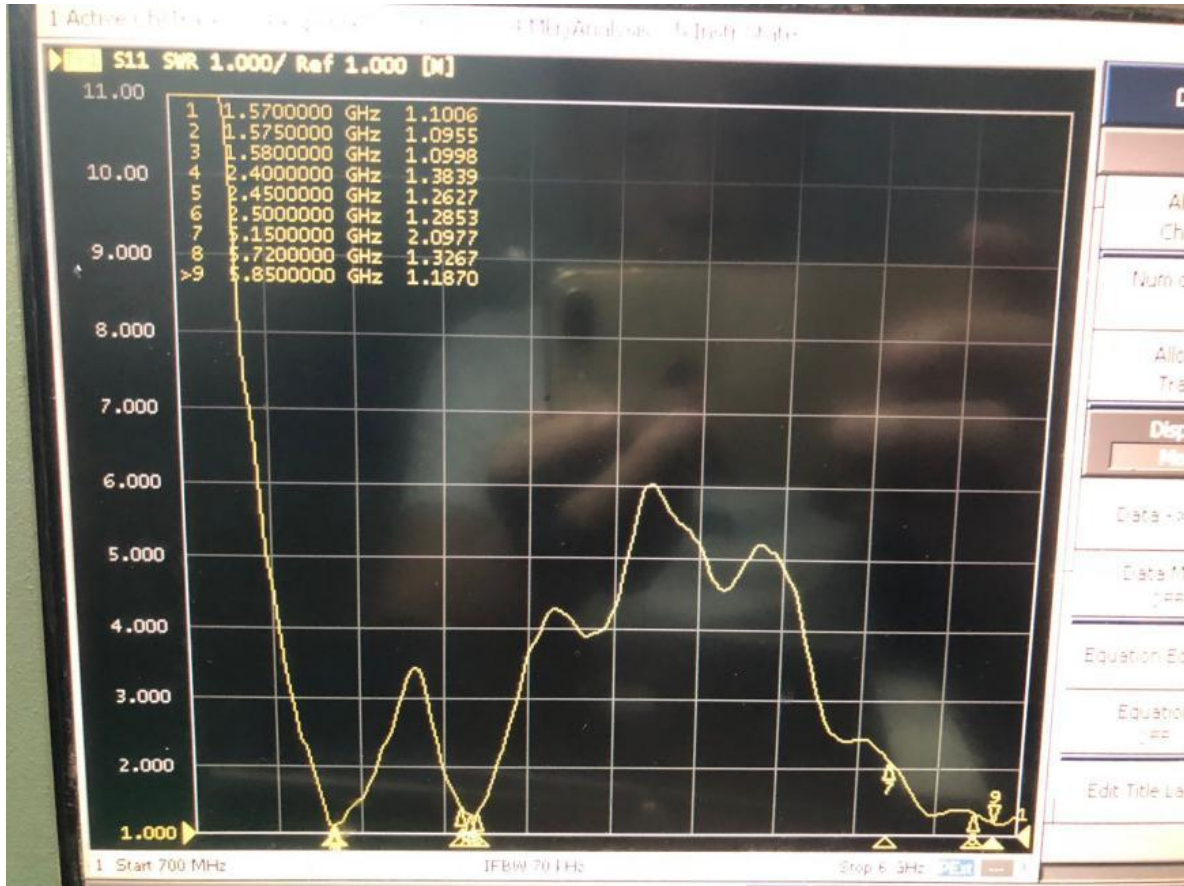
Measuring Method is a 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.



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S11 Parameter-VSWR

(MHZ)	1570	1575	2400	2450	2500	5150	5720	5850
VSWR	1.10	1.09	1.38	1.26	1.28	2.09	1.32	1.18



2. Antenna Matching Network

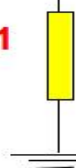
Antenna



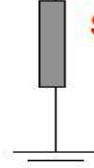
**Series
N/A**

PA

**Shunt 01
N/A**



**Shunt 02
N/A**

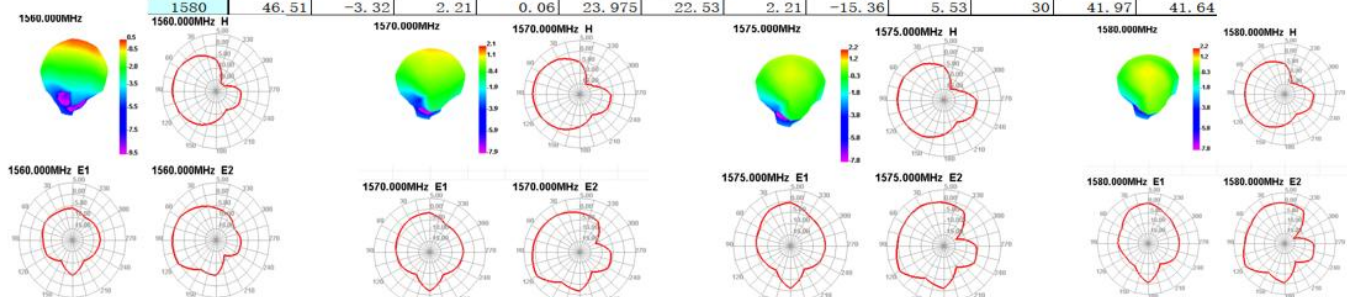




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3. Gain & Efficiency

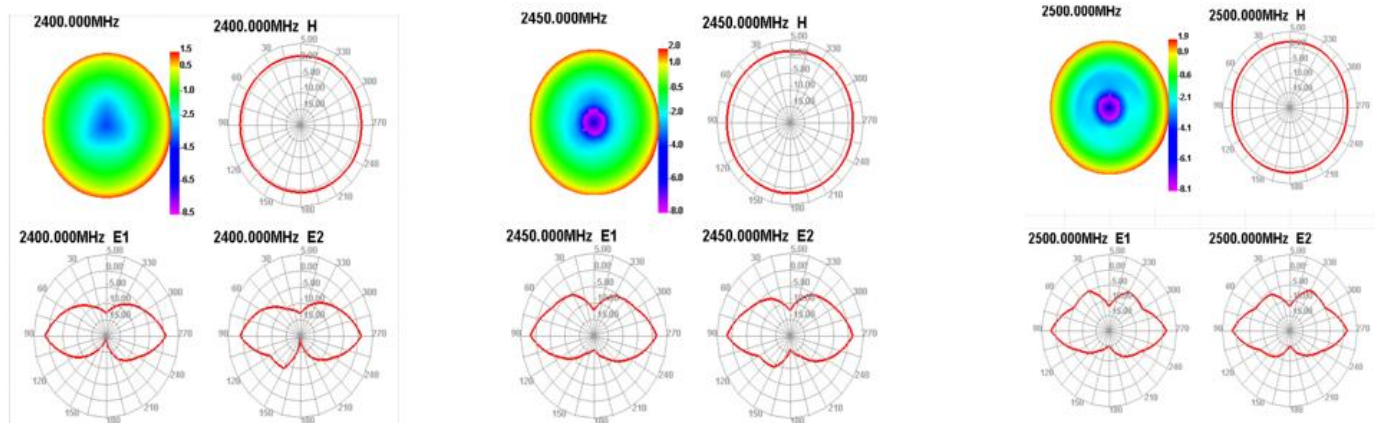
Passive Test For GPS												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
1560	33.01	-4.81	0.48	-1.67	16.928	16.081	0.48	-15.81	5.3	30	42.14	41.81
1561	36.46	-4.38	0.83	-1.32	18.745	17.716	0.83	-15.39	5.21	30	42.2	41.87
1562	41.17	-3.85	1.35	-0.8	21.209	19.965	1.35	-14.97	5.2	60	42.26	41.92
1563	46.33	-3.34	1.87	-0.28	23.908	22.422	1.87	-14.65	5.21	0	42.31	41.98
1564	42.05	-2.92	2.31	0.16	26.385	24.661	2.31	-14.06	5.23	0	42.37	42.03
1565	43.26	-2.65	2.58	0.43	28.069	26.194	2.58	-13.97	5.23	0	42.42	42.08
1566	43.9	-2.68	2.54	0.39	27.935	25.963	2.54	-13.93	5.23	0	42.31	41.97
1567	52.55	-2.79	2.45	0.3	27.261	25.287	2.45	-14.33	5.25	0	42.19	41.85
1568	50.83	-2.94	2.32	0.17	26.353	24.472	2.32	-14.49	5.26	0	42.07	41.73
1569	42.41	-3.06	2.22	0.07	25.653	23.759	2.22	-14.63	5.28	60	41.95	41.61
1570	40.02	-3.19	2.12	-0.03	24.921	23.1	2.12	-14.66	5.31	60	41.83	41.49
1571	48.48	-3.14	2.2	0.05	25.139	23.345	2.2	-14.77	5.34	60	41.89	41.55
1572	48.62	-3.13	2.23	0.08	25.203	23.422	2.23	-14.71	5.36	60	41.94	41.6
1573	48.44	-3.15	2.23	0.08	25.089	23.346	2.23	-14.66	5.38	30	41.99	41.65
1574	48.21	-3.17	2.23	0.08	24.942	23.266	2.23	-14.56	5.4	30	42.05	41.71
1575	48.08	-3.18	2.24	0.09	24.86	23.216	2.24	-14.48	5.42	30	42.1	41.76
1576	47.56	-3.23	2.23	0.08	24.569	22.989	2.23	-14.47	5.46	30	42.07	41.74
1577	47.64	-3.22	2.26	0.11	24.598	23.039	2.26	-14.59	5.48	30	42.05	41.71
1578	47.84	-3.2	2.29	0.14	24.695	23.145	2.29	-15.1	5.49	30	42.02	41.69
1579	47.64	-3.22	2.3	0.15	24.574	23.068	2.3	-15.21	5.52	30	42	41.66
1580	46.51	-3.32	2.21	0.06	23.975	22.53	2.21	-15.36	5.53	30	41.97	41.64



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	38.31	-3.16	1.48	-0.67	26.697	21.614	1.48	-24.85	4.64	30	47.77	47.82
2425	43.76	-3.03	1.52	-0.63	28.134	21.629	1.52	-18.66	4.55	0	48.06	48.12
2450	45.54	-2.33	2.02	-0.13	33.244	25.293	2.02	-15.86	4.34	30	48.56	48.53
2475	41.55	-2.4	2.02	-0.13	32.413	25.134	2.02	-16.51	4.42	0	48.46	48.26
2500	43.87	-2.69	1.94	-0.21	29.367	24.499	1.94	-15.27	4.63	60	48.42	48.12

提取文字

更多功能

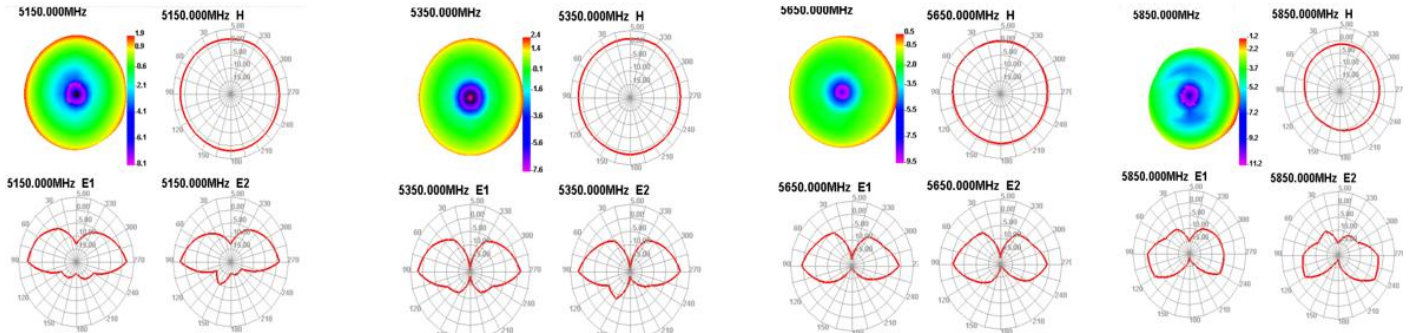


Company Address: 4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Baoan District, Shenzhen Telephone :0755-27211658 Fax :0755-29485750



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Passive Test For 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	43.26	-2.42	1.89	-0.26	36.57	20.69	1.89	-15.61	4.31	0	58.6	58.01
5250	41.33	-3.16	1.5	-0.65	29.817	18.516	1.5	-16.43	4.66	60	58.53	57.74
5350	39.63	-2.47	2.4	0.25	34.463	22.164	2.4	-24.56	4.87	60	57.99	57.08
5450	42.69	-2.17	2.71	0.56	37.144	23.544	2.71	-21.5	4.88	0	59.19	57.9
5550	39.88	-3.02	1.6	-0.55	30.8	19.079	1.6	-20.39	4.62	90	60.21	58.81
5650	39.63	-4.02	0.48	-1.67	23.613	16.019	0.48	-23.55	4.5	0	60.31	59.42
5750	37.42	-4.76	-0.59	-2.74	16.222	17.195	-0.59	-25.14	4.17	0	60.88	60.28
5850	36.82	-4.97	-1.2	-3.35	11.409	20.408	-1.2	-18.77	3.77	30	61.09	60.41



4. GPS measured drawing



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5. WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	12.03	12.71	12.22
TIS	-78.70	-78.44	-79.53
5.8G	802.11a, (5.8G) 54M		
Channel	CH36	CH60	CH161
TRP	9.72	10.15	9.57
TIS	-68.61	-68.82	-68.15



Reliability Test Report

Test Date	2026. 05. 09	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. 05. 09		Approval & Date			



Packing rules

Project name: KC009_35

Product name: FPC antenna

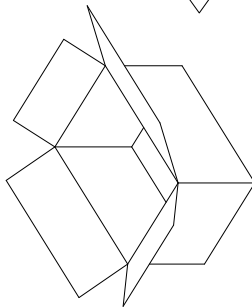
FPC antenna (one)



(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).



Installation process:

Precautions for installation:

-
- 可充式锂离子电池组
- 额定电压: 3.7V
 额定容量: 1700mAh
 额定电压: 3.550Ah
 额定容量: 1750mAh
 额定电压: 3.7V
 额定容量: 1750mAh
 额定电压: 3.7V
 额定容量: 1750mAh
- 生产日期: 2023-07-10
- 警告:
- 禁止拆解、燃烧、挤压或投入火中。
 禁止短路、禁止在充电过程中使用。
 禁止在充电过程中使用。
 禁止在充电过程中使用。
 禁止在充电过程中使用。
- 中国制造

4G Diversity Antenna



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.

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

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



Certificate of Compliance

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Shenzhen Telephone :0755-27211658 Fax :0755-29485750