

Approval Sheet

Customer	Shun dacheng	Date	2025.07.29		
P/N	WF6311B-1131R-200	Models	QS18-RK3326S		
Product	QS18-RK3326S WIFI Antenna	Customer P/N			
Specifications	WIFI Antenna (QS18-RK3326S) FPC (Silkscreen: SDC QS18-RK3326S WF) + 1.13 Gray Wire + IPEX1 Right Out Wire L=200mm				
Vender Approved By			Customer Approved By		
Supplier Engineering: Fu xuerong SE: 2025.07.29		PM:	QD:		
Review: Yang Yonghui Check:2025.07.29	Approval: Chen Huaming Approval:2025.07.29	Check:	Approval:		
Change Log					
Version	Revise The Content	Revused	Approval	Date	Note



SHUN DA CHENG TECHNOLOGY CO., LTD

SPECIFICATION FOR APPROVAL

Customer Name	Shenzhen qiuyu Electronic Co.,Ltd		
Customer Project Name	QS18-RK3326S	SDC Project Name	QS18-RK3326S
Customer P/N		SDC P/N	WF6311B-1131R-200
Band	WIFI2. 4G/5. 8G/BT		
Vers ion	A0		
Designer Information			
RF Eng ineer	Wu Wenzai	R&D Diretor	Xia Chenglei
ME Eng ineer	Huang Zongbao		

Approval				Customer Approval	
	Prepared By	Checked By	Approva l By	Checked By	Approva l By
Signature	Huang Zongbao	Xia Chenglei	Chen Huaming		
Date	2025. 07. 29	2025. 07. 29	2025. 07. 29		

Change Log				
Vers ion	Change Descript ion	Person in Charge	Approva l By	Date

company address: Building 4, 4th Floor, B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Bao'an District, Shenzhen City

phone:0755-27211658

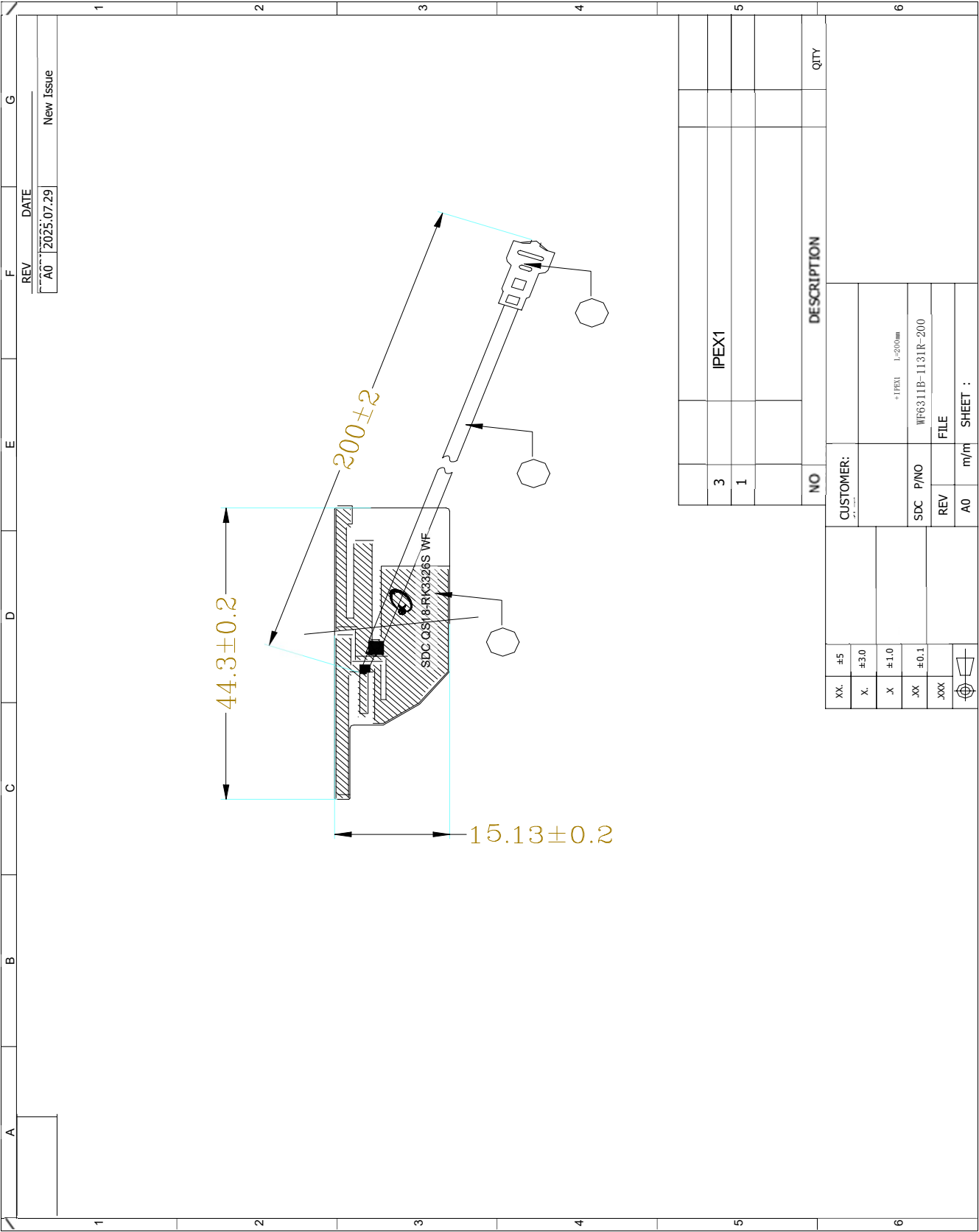


Catalogue

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Drawing or Product Image





SHUN DA CHENG TECHNOLOGY CO., LTD
Sample Dimensions Test Report

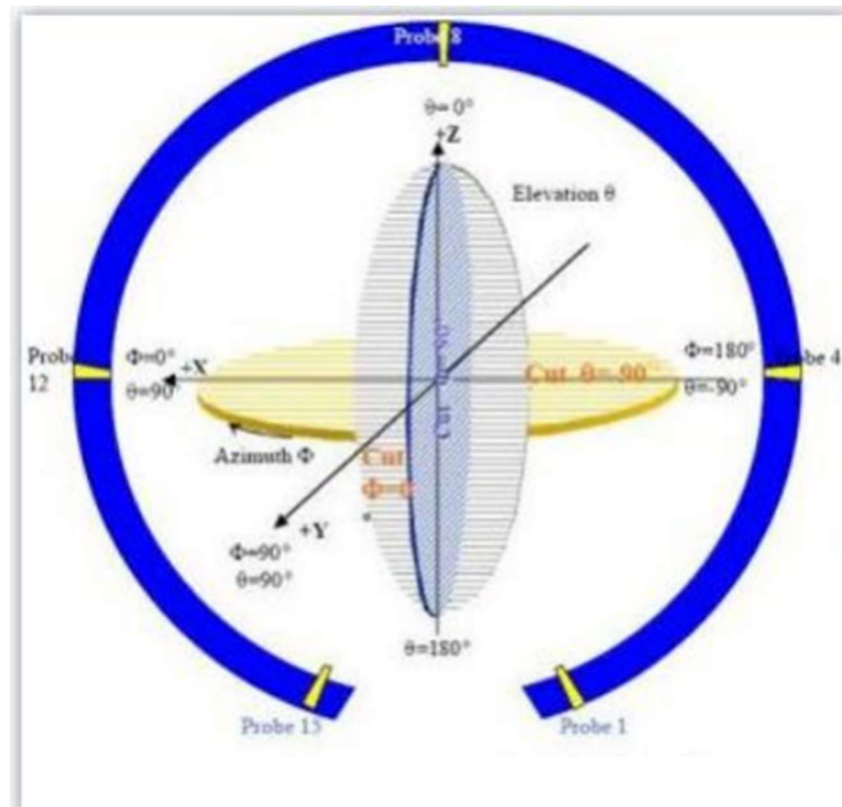
Test Date	2025. 07. 29	Sample Qty.	3	Inspector	Xu Yanfang
Dimension No.	Standard	Sample 1	Sample 2	Sample 3	Pass/NG
①length	44. 3±0. 2mm	44. 3	44. 4	44. 3	Pass
②breadth	15. 13±0. 2mm	15. 15	15. 2	15. 2	Pass
③thickness	0. 1 ±0. 03mm	0. 1	0. 1	0. 1	Pass
④wire length	200±2mm	200	201	200	Pass
Conclusion					PASS
Inspector & Date	XuYanfang 2025. 07. 29		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 :



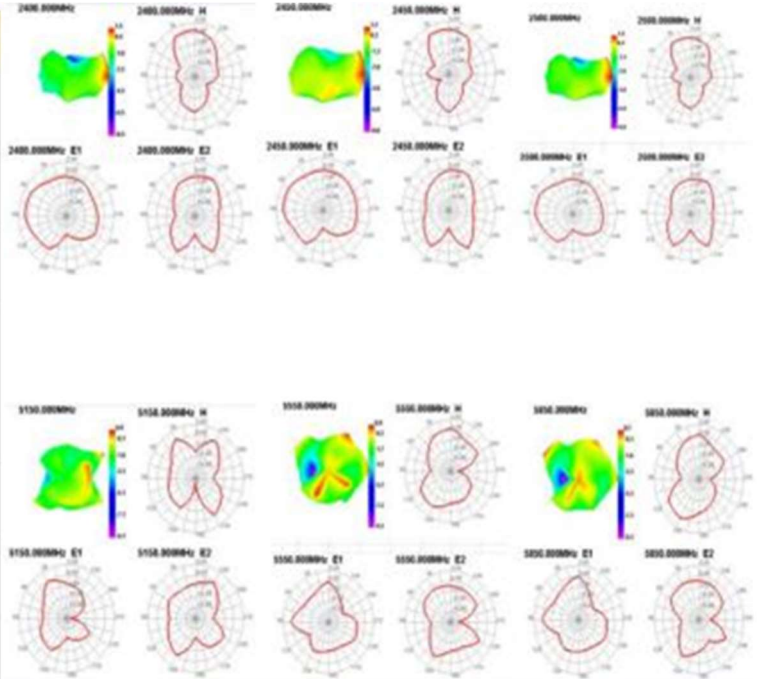
1. S11 Parameter-VSWR

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.



3. Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.45	1.18
2450	44.73	1.23
2500	44.22	1.19
5150	44.78	0.92
5350	43.22	1.01
5550	45.52	0.77
5750	45.43	1.35
5850	42.94	0.69



4. WIFI OTA Data

2.4G WIFI	TRP			TIS		
Channel	CH1	CH6	CH12	CH1	CH6	CH12
802.11b, 11M	14.97	15.51	15.15	-79.46	-79.13	-78.75
802.11g, 54M	13.25	13.36	13.17	-67.14	-67.29	-67.31
802.11n, MCS7 (65M)	12.56	12.18	12.35	-66.22	-66.27	-66.09

5.8G WIFI	TRP			TIS		
Channel	CH36	CH60	CH165	CH36	CH161	CH165
802.11A, 54M	12.55	12.36	13.18	-67.09	-68.32	-69.84



ROHS

Certificate

Certificate Number: UNIB24083009HC-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 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: UNIB24083009HR-01.

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

RoHS

Sep. 06, 2024
Issue Date

Hoffer Lau



Shenzhen United Testing Technology Co., Ltd.

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Certificate of Compliance