EMC TEST REPORT

Test Report No.:	RF250310008-01-001
Product(s) Name:	SQX
Model(s):	T6
Trade Mark:	N/A
Applicant:	Ningbo Shengjia Communication Technology Co., Ltd.,
Address:	No. 143, South Hengjing River, Henghe Town, Cixi City, Ningbo City, Zhejiang Province.
Antenna Type:	PCB Antenna
Receipt Date:	Mar.11, 2025
Test Date:	Mar.11, 2025 to Mar.13, 2025
Issued Date:	Mar.14, 2025

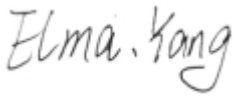
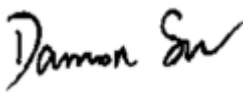
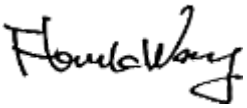
Prepared by	Reviewed by	Approved by	
Elma Yang	Damon Su	Flank Wang	
			

Table of Contents

Release Control Record

Issue No.	Description	Version No.	Issued Date
RF250310008-01-001	Original release.	1.0	Mar. 14, 2025

1 Purose & Environment

1.1 PUROSE

- Meet the electrical performance index;
- Confirm the antenna scheme to meet the design requirements;

1.2 ENVIRONMENT

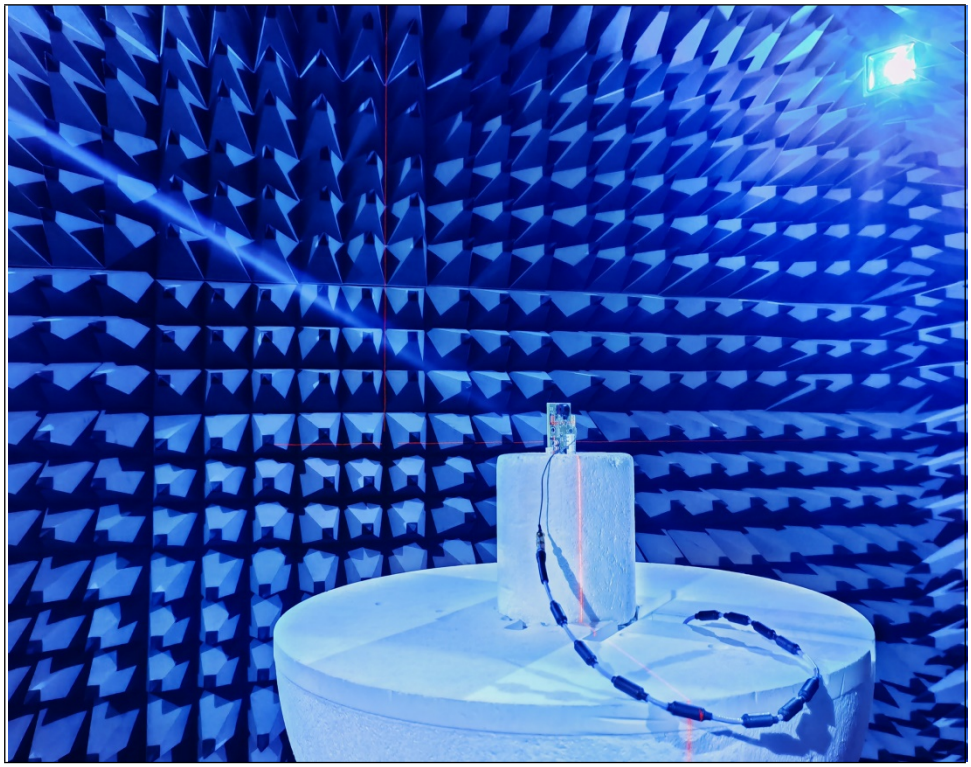
- Test Condition: the network analyzer(E5071C) and SATIMO microwave anechoic chamber
- Passive measurement results are presented

1.3 TEST SITE DETAILS

Test Lab:	Shenzhen Haiyun Testing Co., Ltd.	
Address:	Room 201, #3 factory, Gongjin Electronics, Shatian, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China	
TEL:	+86-755 26021222	
Web.:	http://www.hy-lab.cn/	
Email:		
The Authorization Information:		
CNAS	Registration No.:	
FCC	FRN No.:	
	Test Firm No.:	
ISED	Company No.:	
	CAB identifier No.:	

2 Test photos、Test Condition and DUT Antenna

2.1 Test photos

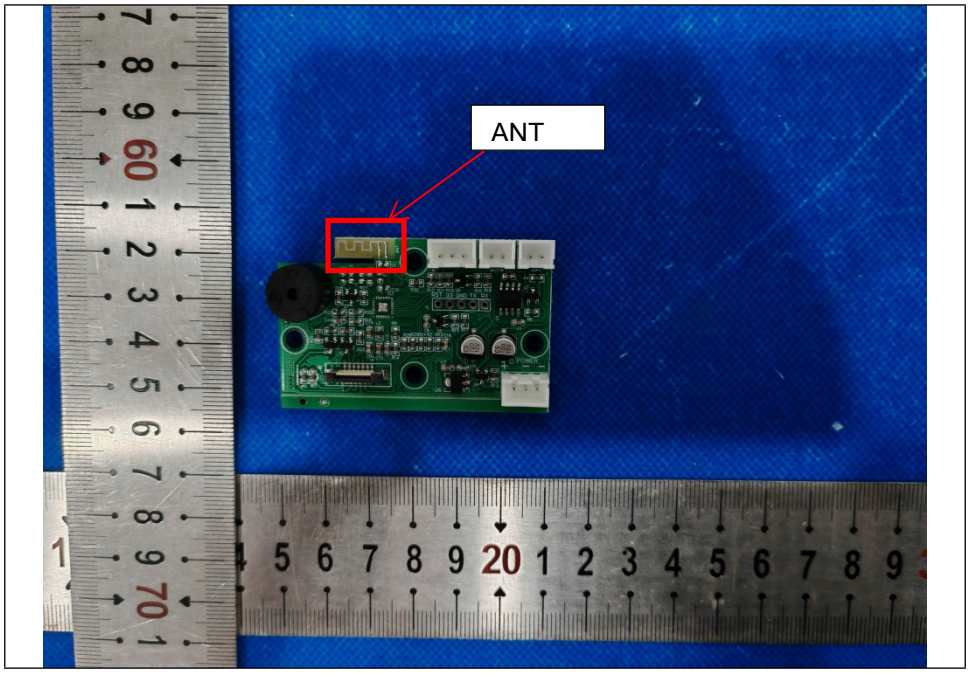


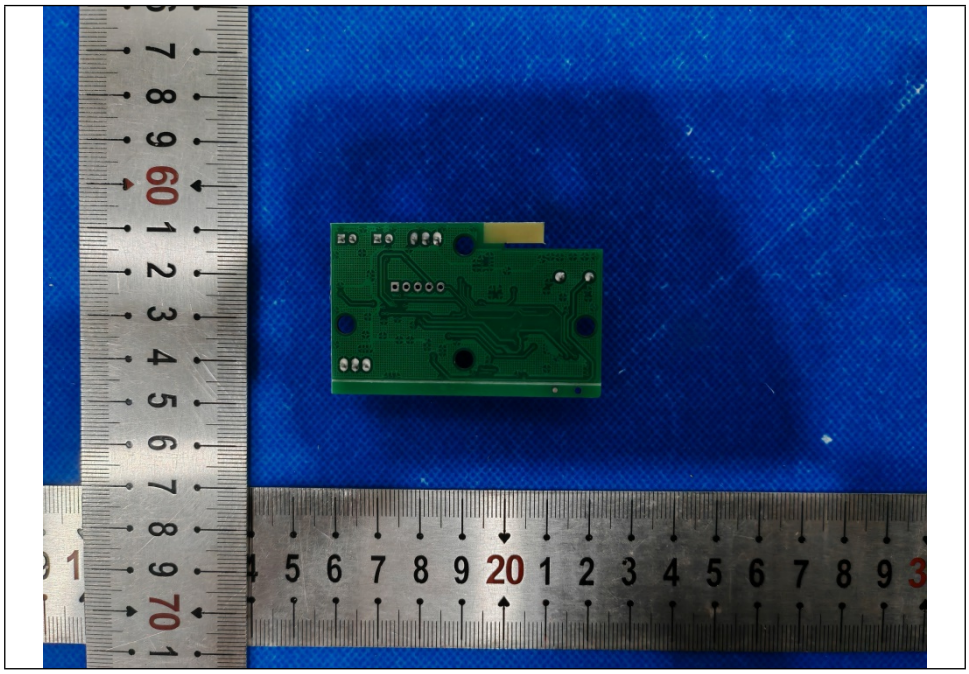
Microwave anechoic chamber

2.2 Test Condition

The network Analyzer

2.3 DUT Antenna



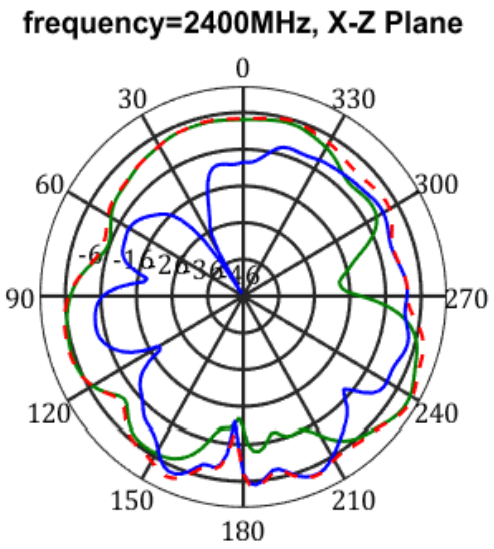


3 2D Radiation pattern

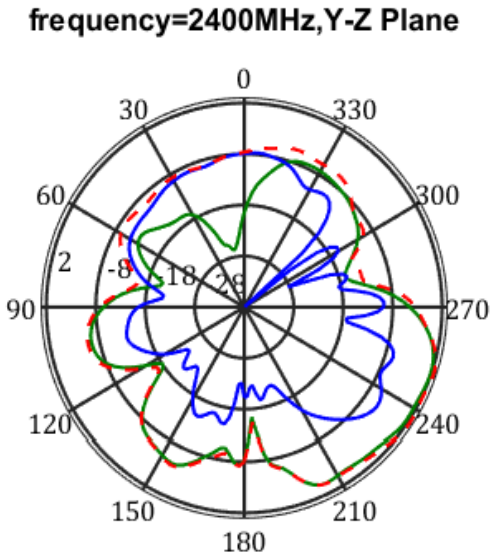
3.1 2D Radiation pattern test results

Antenna 2D_2400MHz

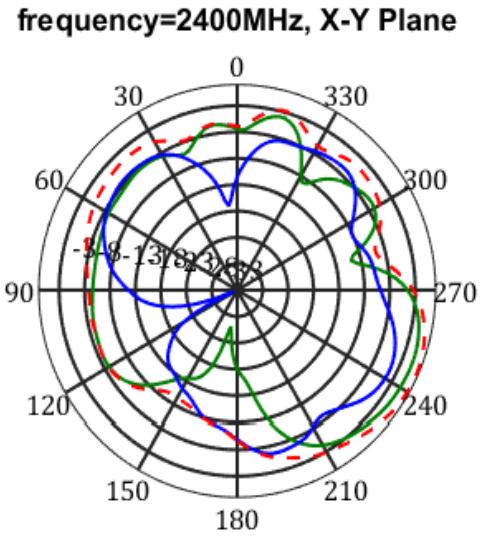
2D Pattern: @phi=0

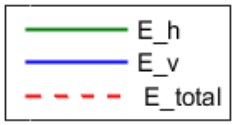


2D Pattern: @phi=90



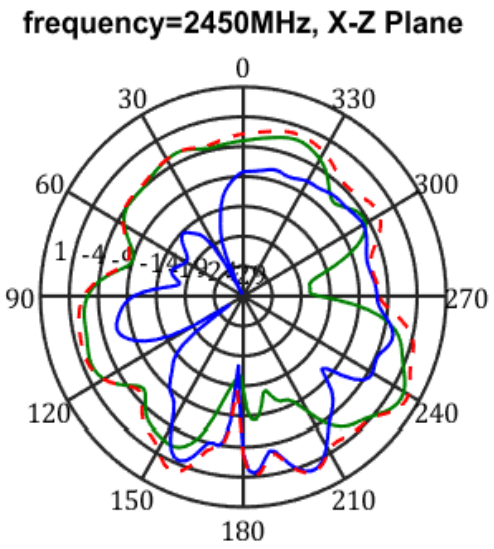
2D Pattern: @theta=90



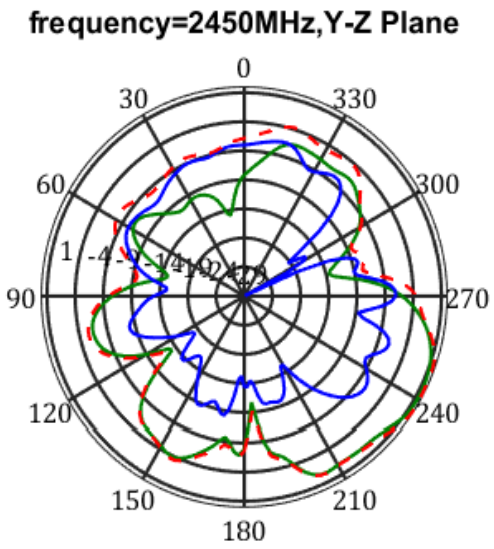


Antenna 2D_2450MHz

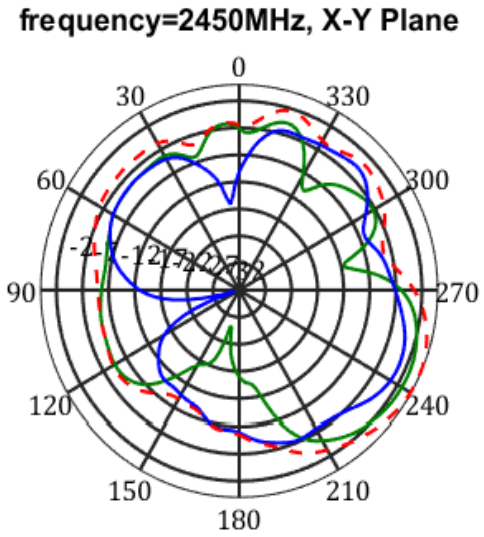
2D Pattern: @phi=0



2D Pattern: @phi=90

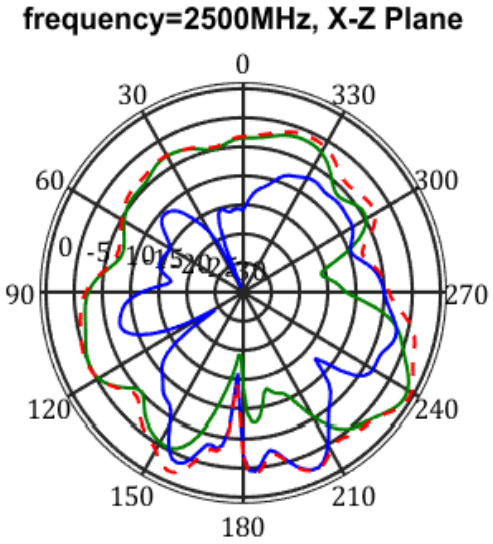


2D Pattern: @theta=90

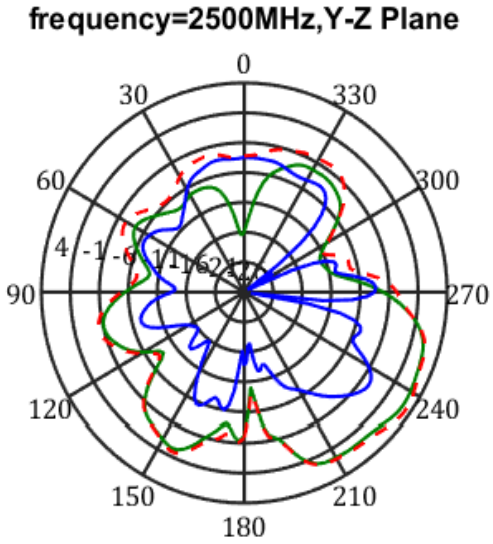


Antenna 2D_2500MHz

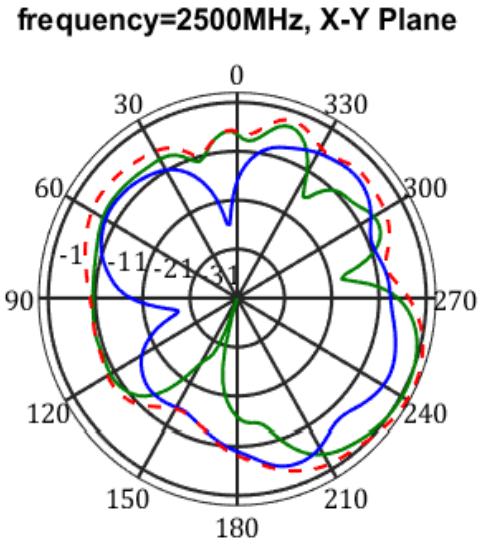
2D Pattern: @phi=0



2D Pattern: @phi=90



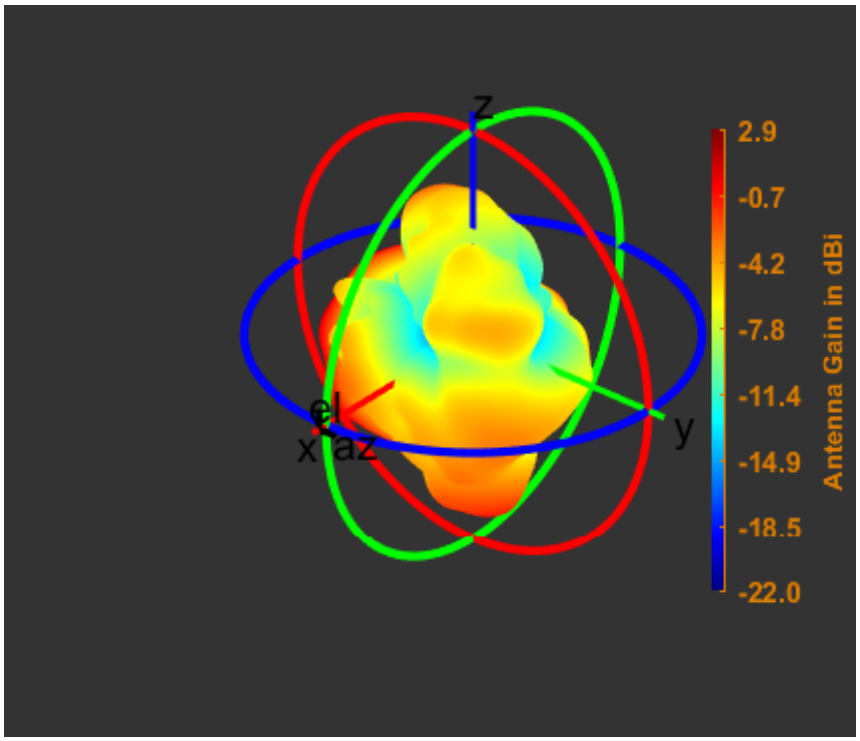
2D Pattern: @theta=90



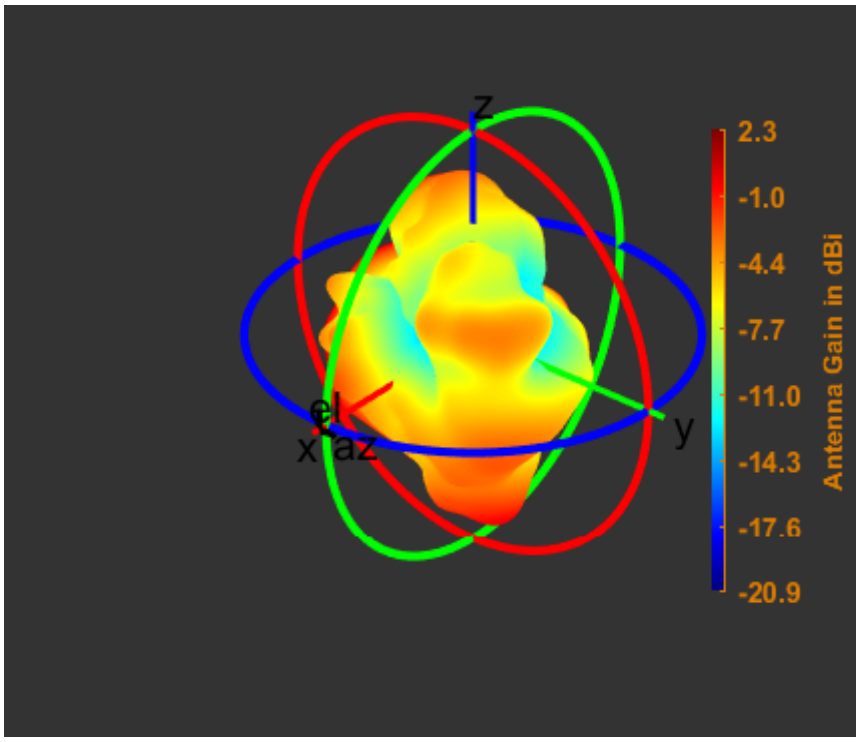
4 3D Radiation pattern

4.1 3D Radiation pattern test results

Antenna 3D_2400MHz

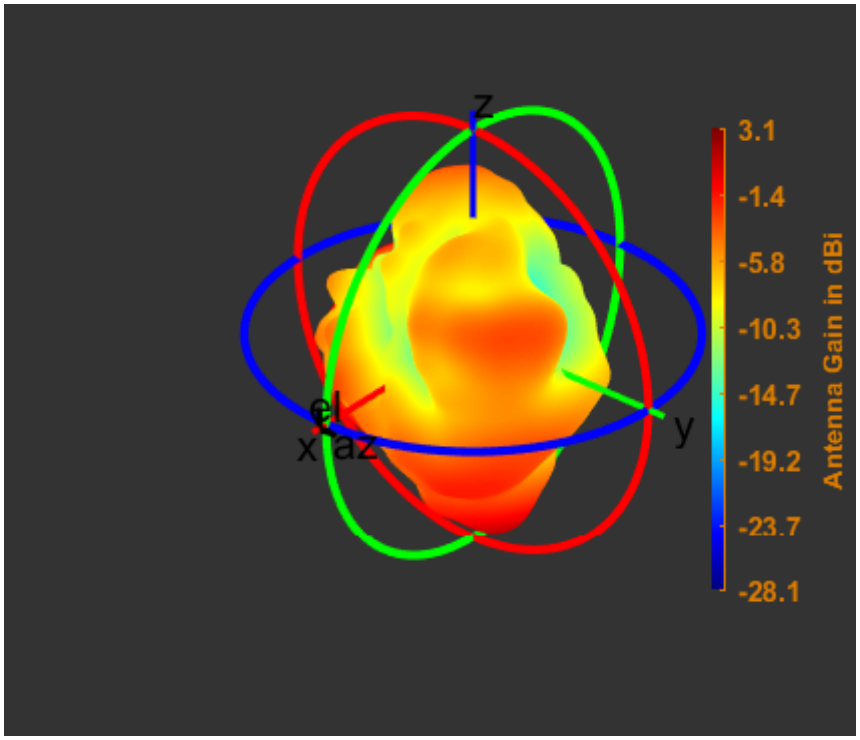


x-axis: red
y-axis: green
z-axis: blue

Antenna 3D_2450MHz


x-axis: red
y-axis: green
z-axis: blue

Antenna 3D_2500MHz



x-axis: red
y-axis: green
z-axis: blue

5 Peak Gain

5.1 Test results

Antenna_Peak Gain	
Frequency (MHz)	Gain(dB)
2400	2.8727
2410	2.233
2420	2.3216
2430	2.5041
2440	2.4724
2450	2.2602
2460	2.4087
2470	2.7212
2480	1.9373
2490	2.6019
2500	3.1057

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Testing Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Testing Co., Ltd.

Address: Room201, #3 Factory, Gongjin Electronics, Shatian, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

Tel: 0755-26024411

Zip Code: 518118

E-mail: service@hy-lab.cn

**** End of report ****