

Test Report

Applicant:	Guangzhou Shirui Electronics Co., Ltd.
Address:	192 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China
Manufacturer:	Guangzhou Shirui Electronics Co., Ltd.
Address:	192 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China
Product Description:	Smart Pen
Brand Name:	/
Tested Model:	Antenna of Smart Pen
Received Date:	Sep. 11, 2024
Tested Date:	Sep. 11, 2024
Issued Date:	Sep. 11, 2024
Test Standard:	ANSI/IEEE Std 149-2021
Report Number:	JCF240903041-001
Test Result:	--
Prepared By:	  Date: Sep. 11, 2024
Reviewed By:	  Date: Sep. 11, 2024
Approved By:	  Date: Sep. 11, 2024

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Statement

1. Test report is invalid if altered.
2. The report is invalid without the signature of the approver.
3. The test results are only valid for the tested samples.
4. Partial copy of this report is invalid without the consent of the testing unit.
5. The report is invalid without the "special seal for the report" or the official seal of the testing unit.
6. Judgement of the result in "N/A" means "not applicable", "/" means "Not Test", "P" means "Test Pass", "F" means "Test Fail", "--" means "Do not decide"
7. The company name and address, sample and product information in the report are provided by the applicant, and the applicant shall be responsible for the authenticity of the information.
8. Any objection to this report shall be submitted to the testing unit within 15 days from the date of receipt of the report.

Issued Laboratory By: Guangzhou Jingce testing Technology Co., LTD
Address: No. 6, Liankun Road, Huangpu District, Guangzhou, Guangdong, China

Revision History

Version	Issue Date	Revisions
Rev. 01	Sep. 11, 2024	Initial Issue

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1 Test Laboratory

Name	Guangzhou Jingce testing Technology Co., LTD
Address	No. 6, Liankun Road, Huangpu District, Guangzhou, Guangdong, China

2 Product Information

2.1 Applicant Information

Applicant	Guangzhou Shirui Electronics Co., Ltd.
Address	192 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Guangzhou Shirui Electronics Co., Ltd.
Address	192 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Smart Pen
Model	Antenna of Smart Pen
Antenna Type	Onboard antenna

2.4 Technical Information

Frequency Range	2400MHz~2500MHz
Test Frequency	2400MHz, 2410MHz, 2420MHz, 2430MHz, 2440MHz, 2450MHz, 2460MHz, 2470MHz, 2480MHz, 2490MHz, 2500MHz

3 Summary of Test Results

3.1 Test Standards

Reference standard	ANSI/IEEE Std 149-2021
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3.2 Test Verdict

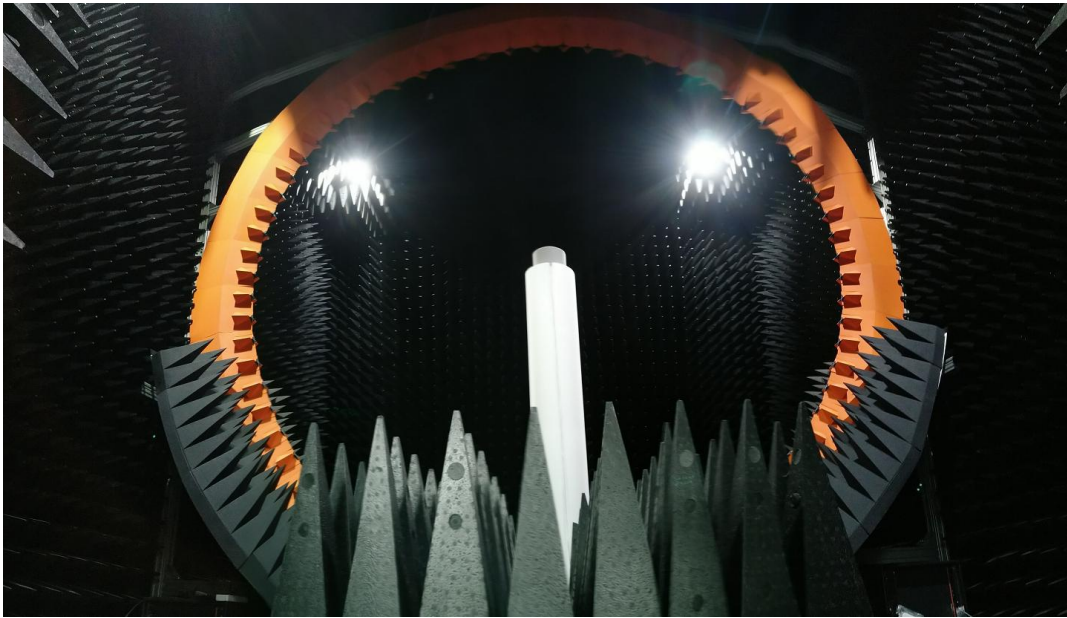
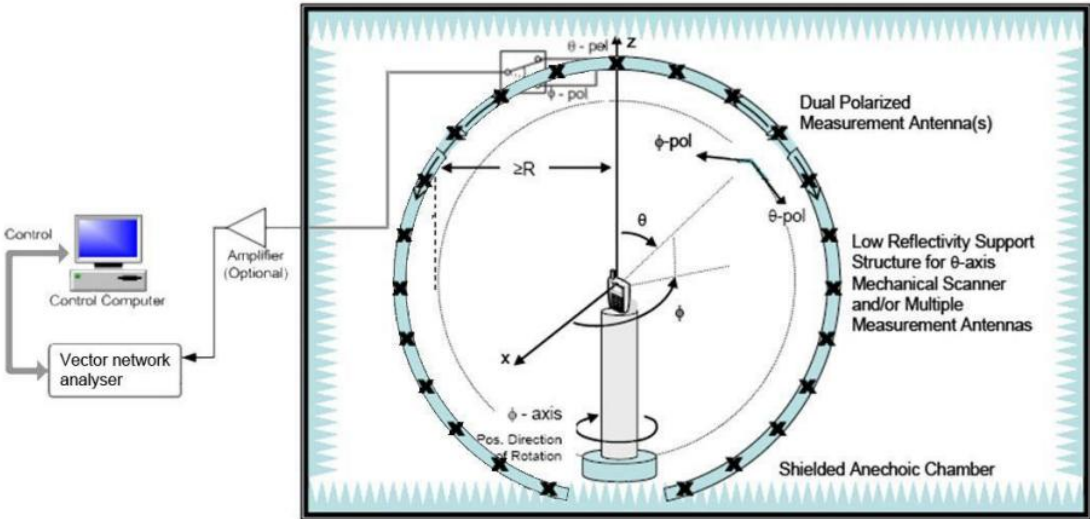
Report Section	Description	Remark
ANNEX A	Gain and Efficiency	--
ANNEX B	Radiation Pattern	--

4 General Test Configurations

4.1 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Multi-probe Measurement System	MVG	SG64	YQ00005534	2023-12-04	2026-12-03
Network Analyzer	PROSUND	SP809A	YQ00200750	2023-04-23	2024-10-22

4.2 Test Setup



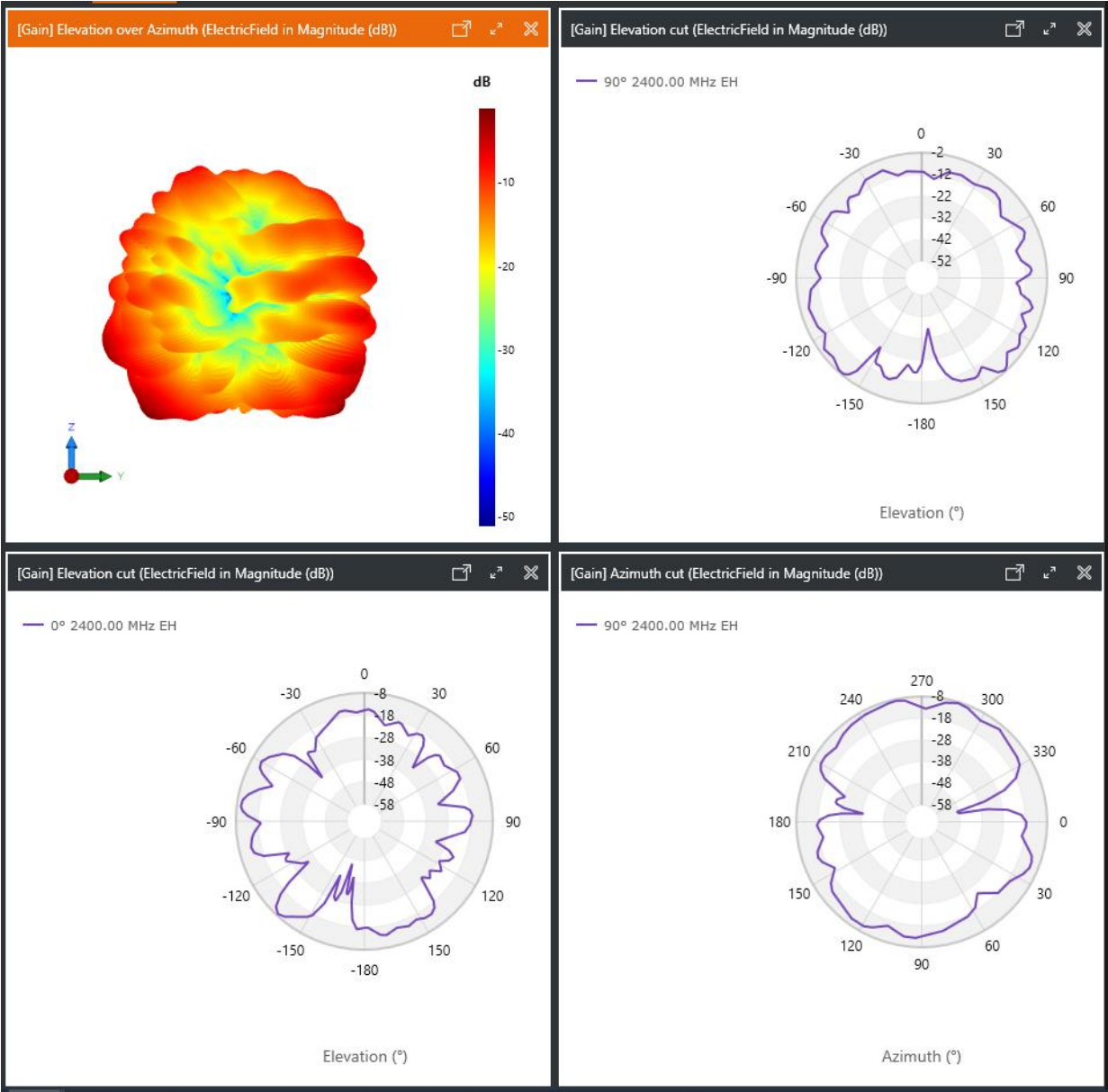
Annex A Test Results

A Gain and Efficiency

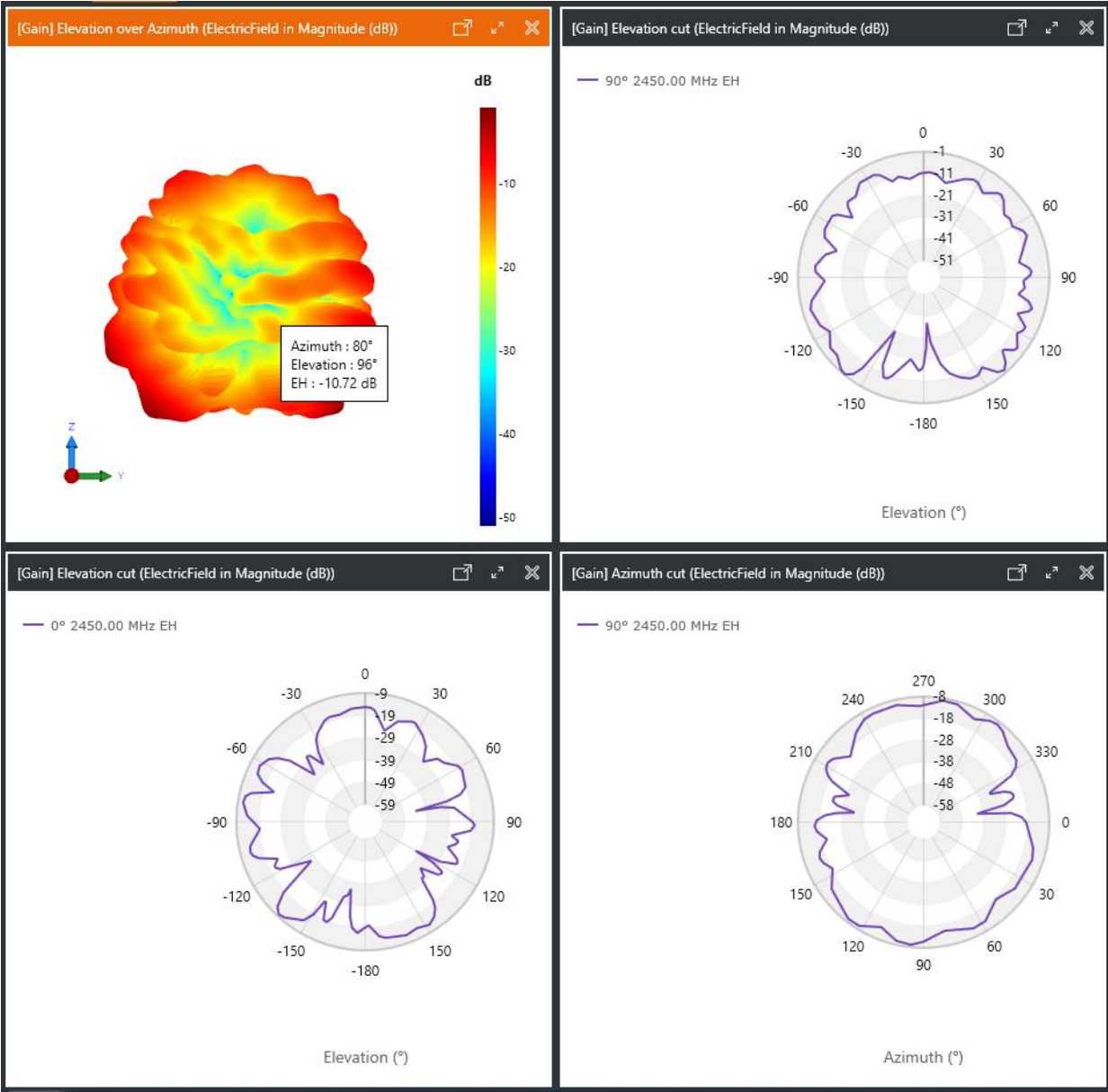
Antenna	Frequency(MHz)	Gain(dBi)	Efficiency(%)
Ant	2400	2.20	30.76
Ant	2410	2.49	30.90
Ant	2420	2.76	31.84
Ant	2430	2.62	31.11
Ant	2440	2.42	31.33
Ant	2450	2.93	31.62
Ant	2460	2.92	31.70
Ant	2470	2.93	32.21
Ant	2480	3.01	32.28
Ant	2490	3.36	32.36
Ant	2500	2.75	30.76

Annex B Radiation Pattern

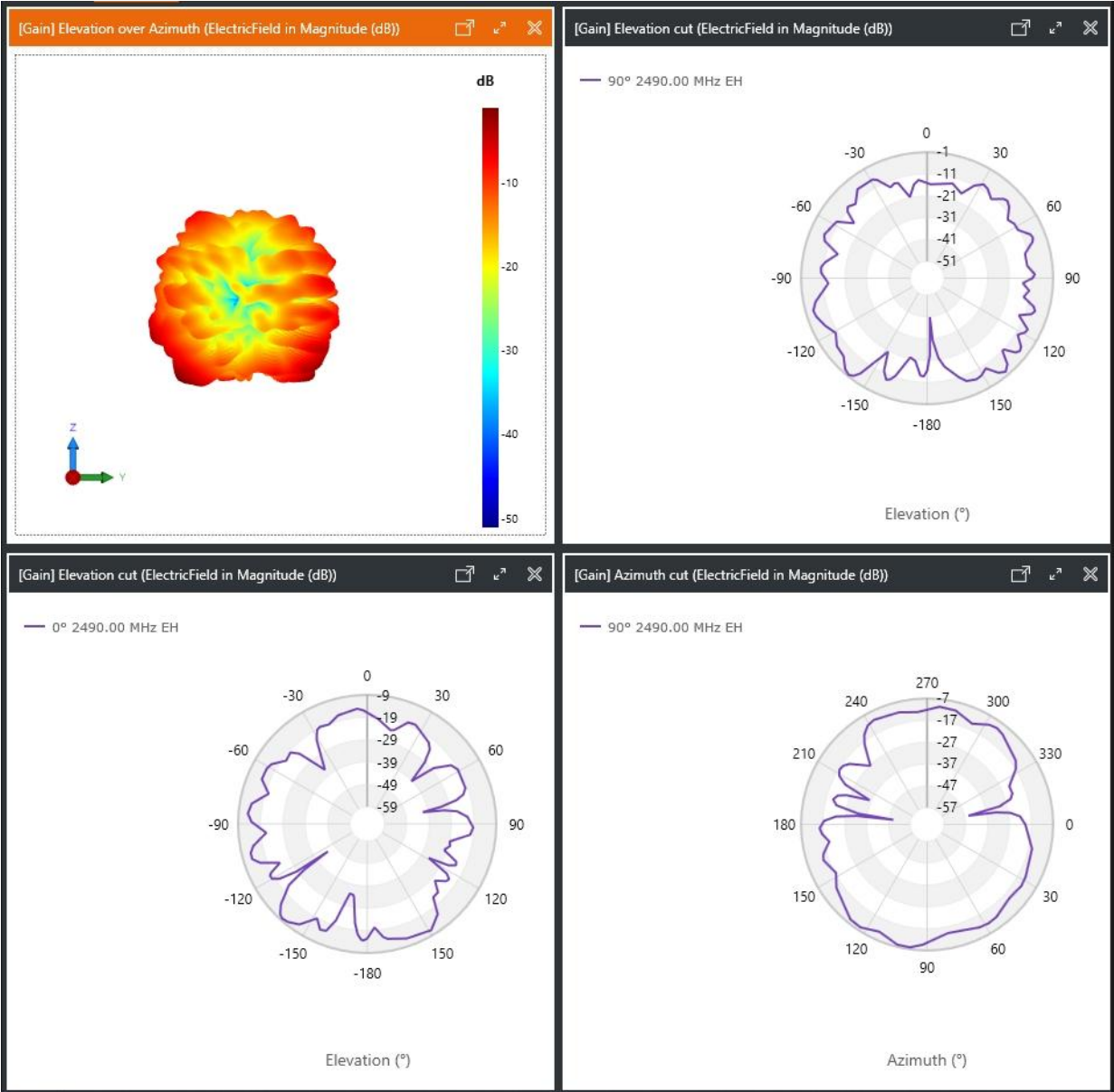
2400.00MHz



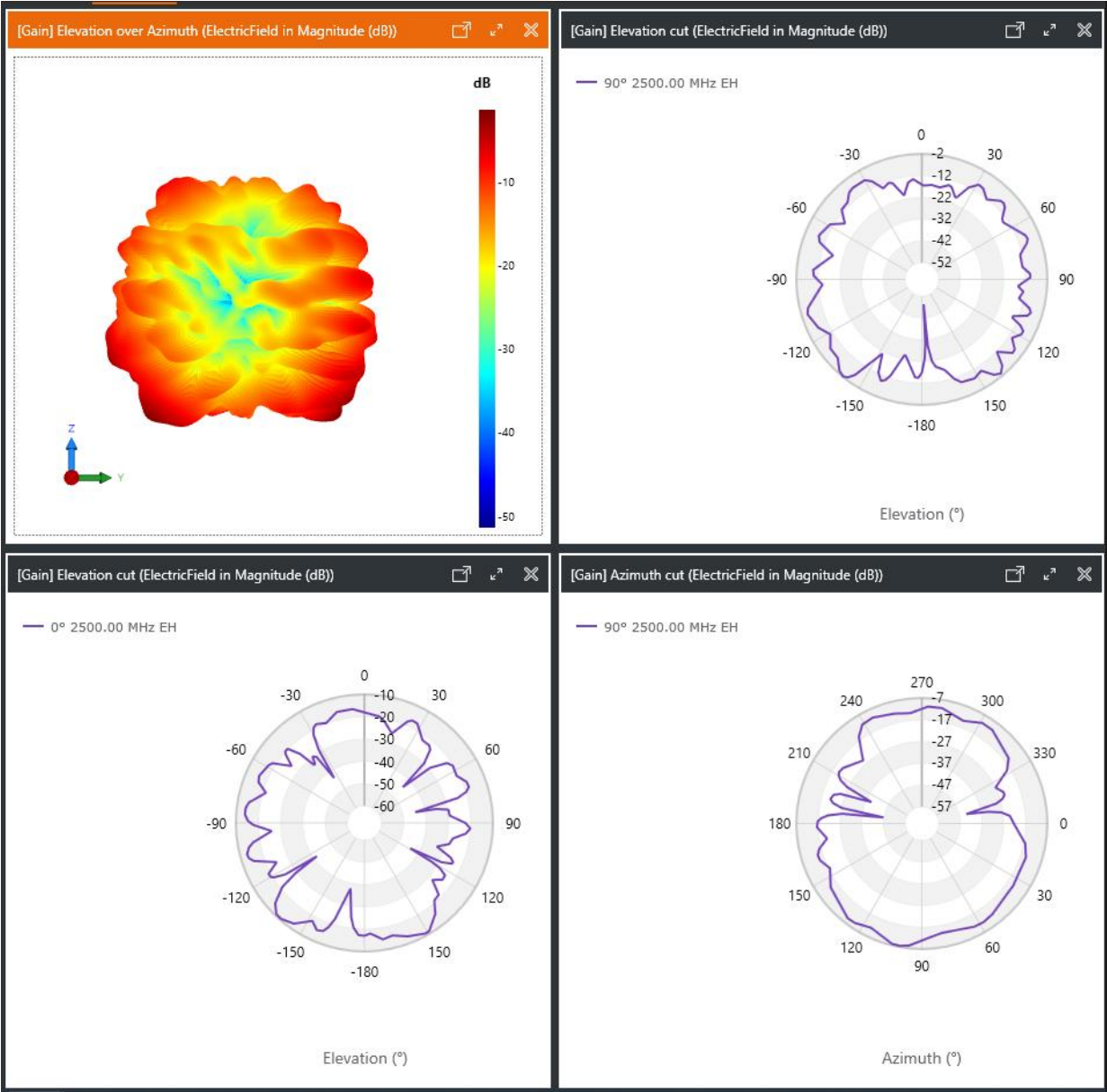
2450.00MHz



2490.00MHz



2500.00MHz

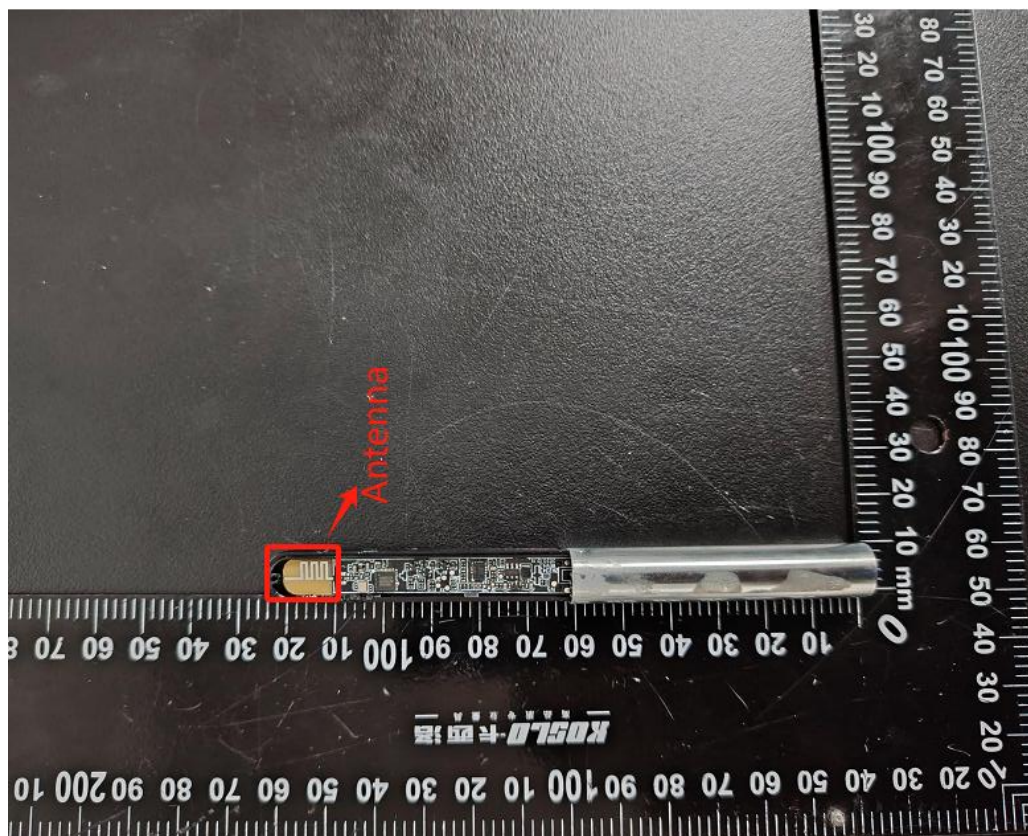


Annex C Test Setup Photo

1. Test environment



2. EUT



----- End of Report -----