



Report No.: XCL-AC202306-0083

TEST REPORT

Product Name: CARPLAY

Model: CA701

Test Sort: External Commission Test

Client: Shenzhen Jinnaibo Electronic Co., Ltd.

Test by: Xingci Lab

Manufacturer: Shenzhen Jinnaibo Electronic Co., Ltd.

GUANGDONG XINGCI TESTING TECHNOLOGY RESEARCH Co.,Ltd.



Announcement

1. This report is invalid without seal.
2. This report must not be partially duplicated without permission.
3. The manufacturer would be responsible for the test samples.
4. Xingci Lab would be only responsible for report items of the test sample, this test result is only used for scientific research, teaching, and internal control, and does not have a proof function to the society.
5. If the client has any question about the test report, please contact our lab as agreed within 15 days. Disagreement couldn't be accepted over 15 days.
6. Test report inquires telephone No.:+ 86-757-87744743

Add: No#4, JinYE 2nd road, Yundonghai street, Sanshui, Foshan,Guangdong
Province, China,528100

Tel: 0086-(0757)-87744743

Post Code: 528100

Test Report

Product Name		CARPLAY	Manufacture Date	/
Product Model		CA701	Brand Name	/
Manufacturer	Name	Shenzhen Jinnaibo Electronic Co., Ltd.		
	Address	Floor 3, building L, Shasi hi tech park, Shasi Community, Shajing street, Baoan, Shenzhen, China		
Test Type		External Commission Test		
Test Place		SG64 Anechoic Chamber (Guangdong Xingci testing technology research Co.,Ltd.)		
Sample Qty		1pc	Test Date	June 21, 2023
Test Environment		Temperature: (21~22) °C	Relative Humidity: (62~64) %	
Test Item		Electrical performance: Radiation Pattern, Gain, Vertical Beamwidth(3dB), Horizontal Beamwidth(3dB)		
Test Standard		According to the client's requirements, refer to the following standard: ANSI/IEEE Std 149-2021		
Test Description		Guangdong Xingci testing technology research Co., Ltd. tested the electrical performance of 1pc of CARPLAY's ports P1 under the guideline of relevant standard. Please see test result in pages 5-6, Radiation Patterns in pages 6-9.		
Remarks				
Tested by: <i>Guanzhiliang</i> Date: June 21, 2023		Checked by: <i>zhong xiao jun</i> Date: July 4, 2023		Approved by: (Authorized signatory) <i>Luojianhua</i> Date: July 4, 2023 

Sample Description

Accessories	☒ No ☐ Yes:
Outlook/Appearance	☒ Qualified ☐ Unqualified:
Status at the beginning of Test	☒ Working Normally ☐ Working Abnormally:
Status after Test	☒ Working Normally ☐ Other:
Photograph	☐ No ☒ In page 9
Remarks (Provided by the customer)	Antenna size: 39.5mm×5.5mm Device size: 178mm×104mm×20mm Device weight: 306.5g

Sample Number

Item	Sample Number	Serial Number
1	AC2023062101	/

Electrical Performance Test Result

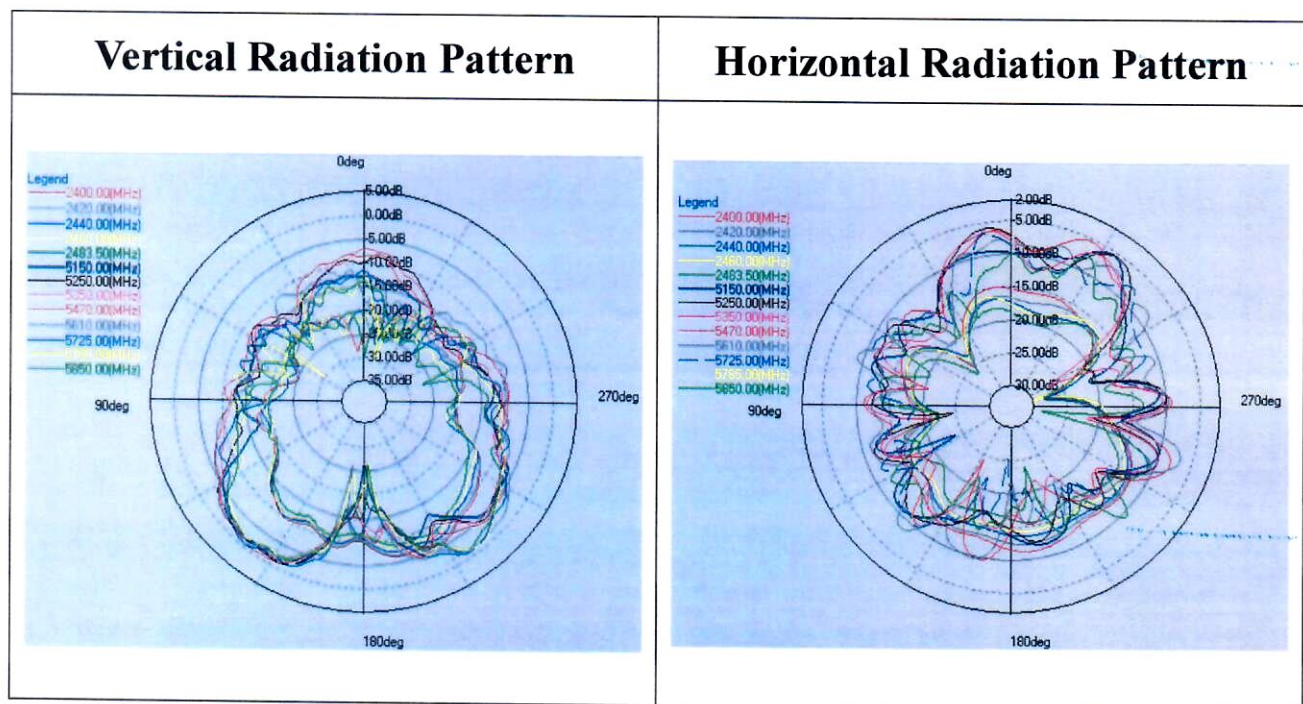
Item	Test Item	Technical Requirement	Unit	Test Frequency (MHz)	Test Result
					Port 1
1	Gain	/	dBi	2400	-5.09
				2420	-5.41
				2440	-6.19
				2460	-6.72
				2483.5	-7.77
				5150	-0.31
				5250	0.51
				5350	0.18
				5470	1.61
				5610	3.11
				5725	1.76
				5785	0.22
				5850	0.44
2	Vertical Beamwidth (3dB)	/	deg	2400	43.60
				2420	39.08
				2440	40.68
				2460	44.26
				2483.5	47.43
				5150	34.33
				5250	39.62
				5350	37.29
				5470	34.36
				5610	35.95
				5725	34.17
				5785	20.32
				5850	21.72
3	Horizontal Beamwidth (3dB)	/	deg	2400	111.21
				2420	116.28
				2440	116.33
				2460	114.86
				2483.5	112.73
				5150	18.86
				5250	20.68
				5350	25.54
				5470	23.21
				5610	13.12

				5725	17.53
				5785	15.41
				5850	11.72
4	Radiation Pattern	/	/	2400-5850	Pages 6-9

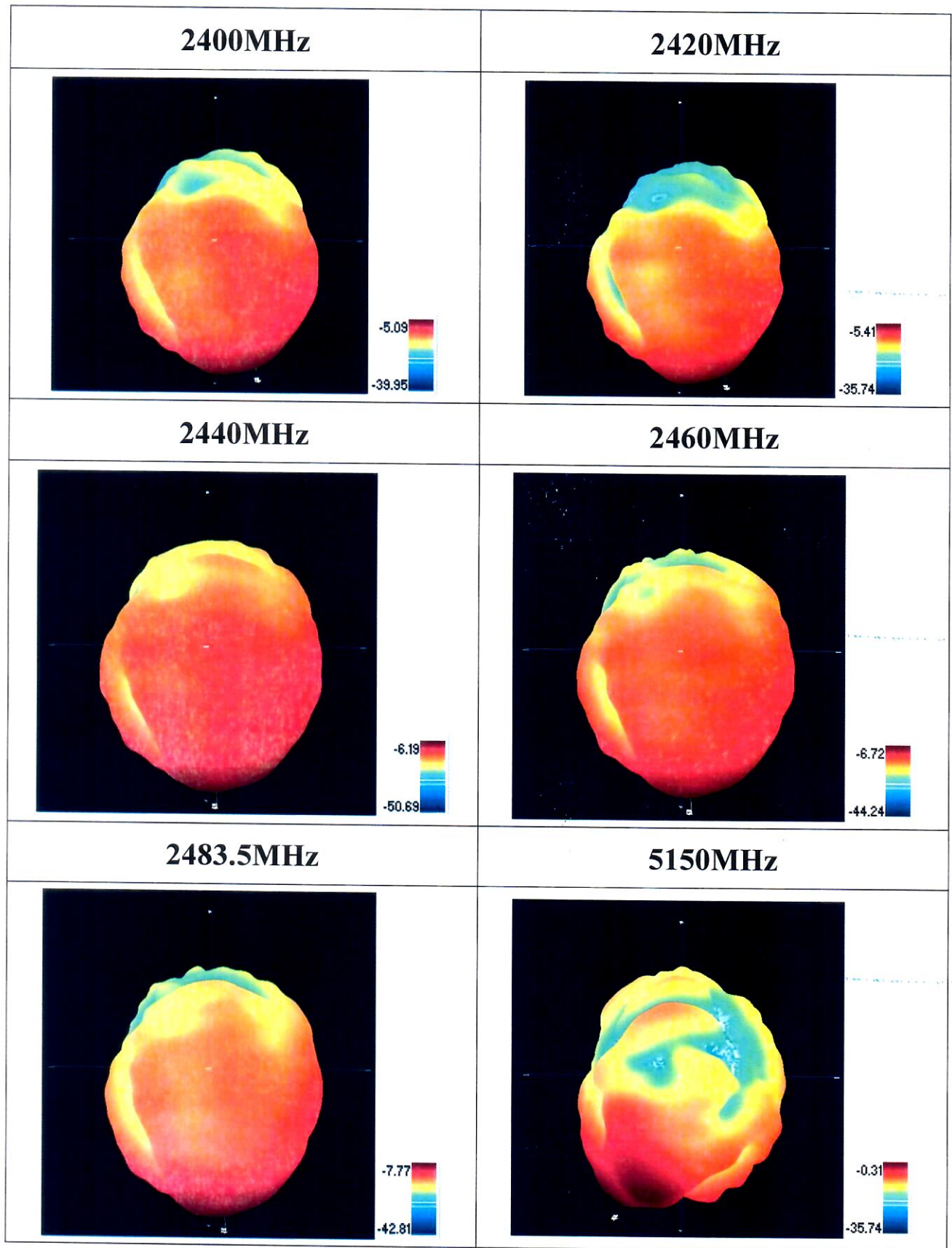
Note: According to the client's requirements, the test items are for the controller components test.

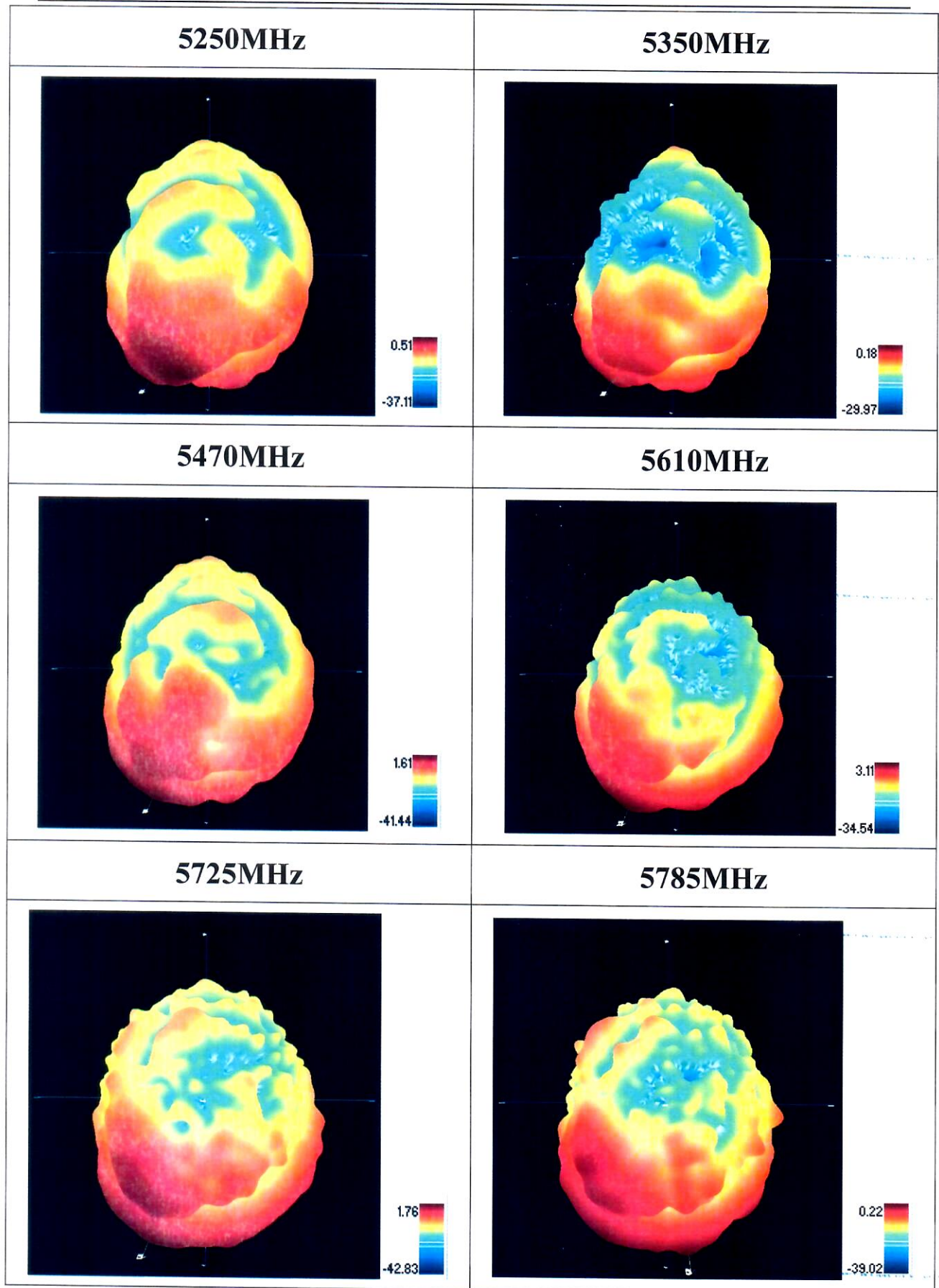
Electrical Performance Pattern

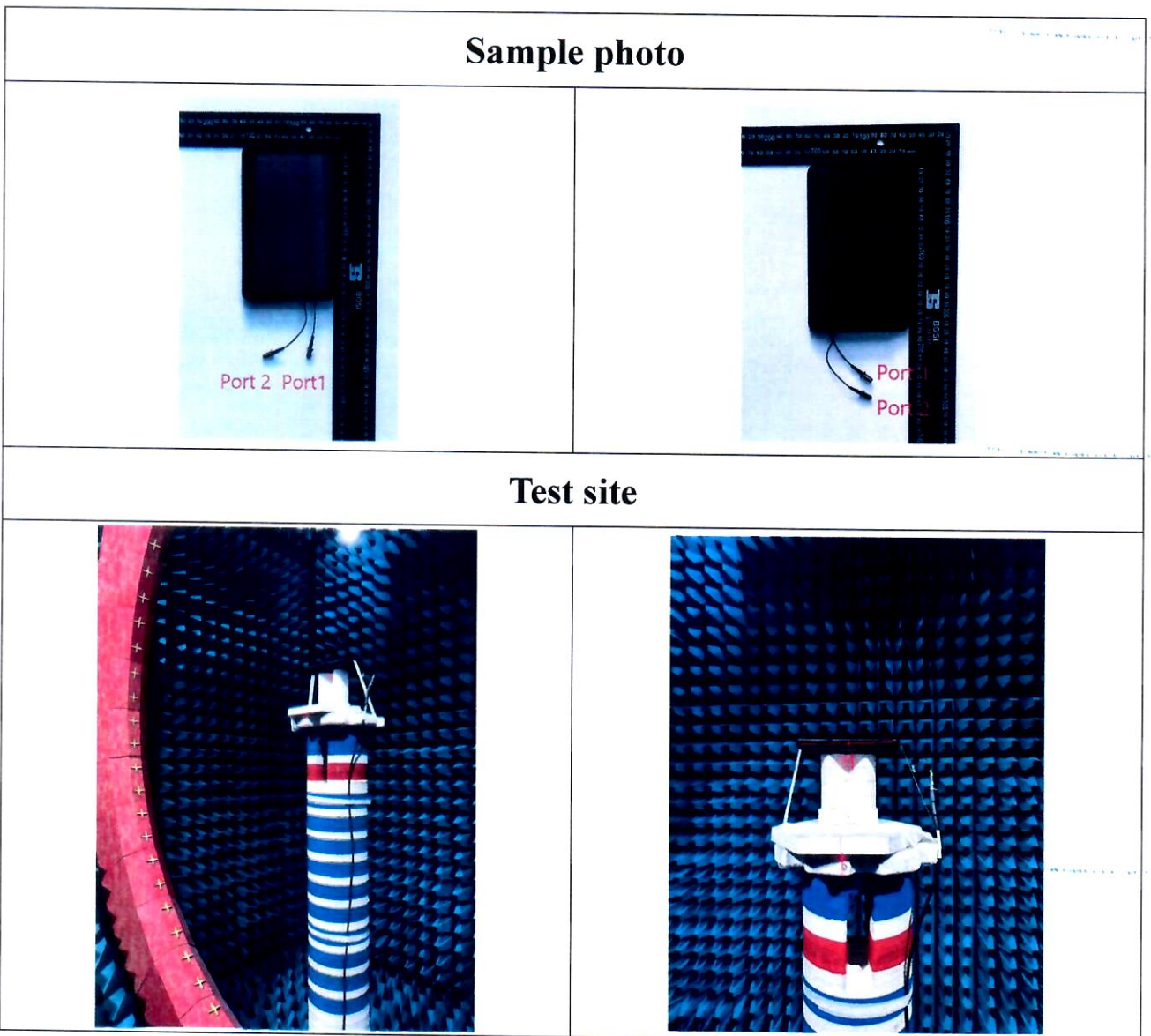
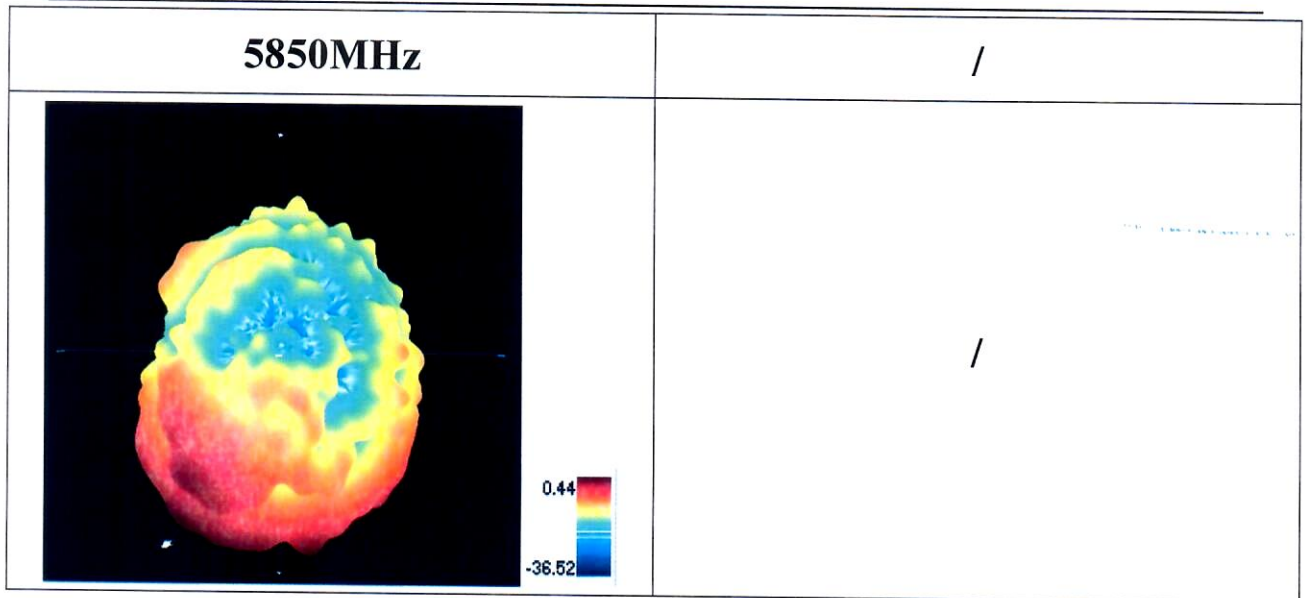
2D



3D







Main instruments and equipment for testing and test system

No.	NAME	Model	SERIAL NUMBER	VALIDITY DATE (DD/MM/YY)
1	Analog Signal Generator	N5172B	MY59100269	06/03/2024
2	Analog Signal Generator	N5181A	MY50140747	06/03/2024
3	Standard Gain Antenna	SH400-440	XCA014	23/11/2023
4	Microwave Anechoic Chamber	5m×5m×5m	XCC03	23/08/2024
5	SG64 Antenna Test System	SATENV 2.0.1.5 Build12	XCXT03	N/A

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