



Report No.: XCL-AC202511-0016

TEST REPORT

Product Name: 3D DELTAS

Model: 3D DELTAS

Test Sort: External Commission Test

Client: SAS KINVENT BIOMECHANIQUE

Test by: Xingci Lab

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		3D DELTAS		Manufacture Date		/	
Product Model		3D DELTAS		Brand Name		/	
Client	Name	SAS KINVENT BIOMECHANIQUE					
	Address	Zac Eureka, Bâtiment Apollo A, 6 Rue de Pommesargues, FR-34000, Montpellier, France					
Test Type		External Commission Test					
Test Place		SG64 Anechoic Chamber (Guangdong Xingci testing technology research Co.,Ltd.)					
Sample Qty		1pc		Test Date		Nov. 24, 2025	
Test Environment		Temperature: (21~22) °C		Relative Humidity: (62~65) %			
Test Item		Electrical performance: Radiation Pattern, Gain, Efficiency, VSWR					
Test Standard		According to the client's requirements, refer to the following standard: IEEE Std 149 TM -2021 IEEE Recommended Practice for Antenna Measurements					
Test Description		Guangdong Xingci testing technology research Co., Ltd. tested the electrical performance of 1pc of 3D DELTAS under the guideline of relevant standard. Please see test result in page 5, Radiation Patterns in pages 6-8, VSWR in page 9.					
Remarks							
Tested by: <i>Luguanze</i>		Checked by: <i>zhang xiao jun</i>		Approved by: (Authorized signatory) <i>Yangshuangxiong</i>			
Date: <i>Nov. 24, 2025</i>		Date: <i>Nov. 26, 2025</i>		Date: <i>Nov. 26, 2025</i>			

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 pages 9-10
Remarks (Provided by the customer)	Antenna size: 50mm×8mm Overall size: 112mm×30mm Antenna weight: 4.5g Antenna interface type: IPEX

Sample Number

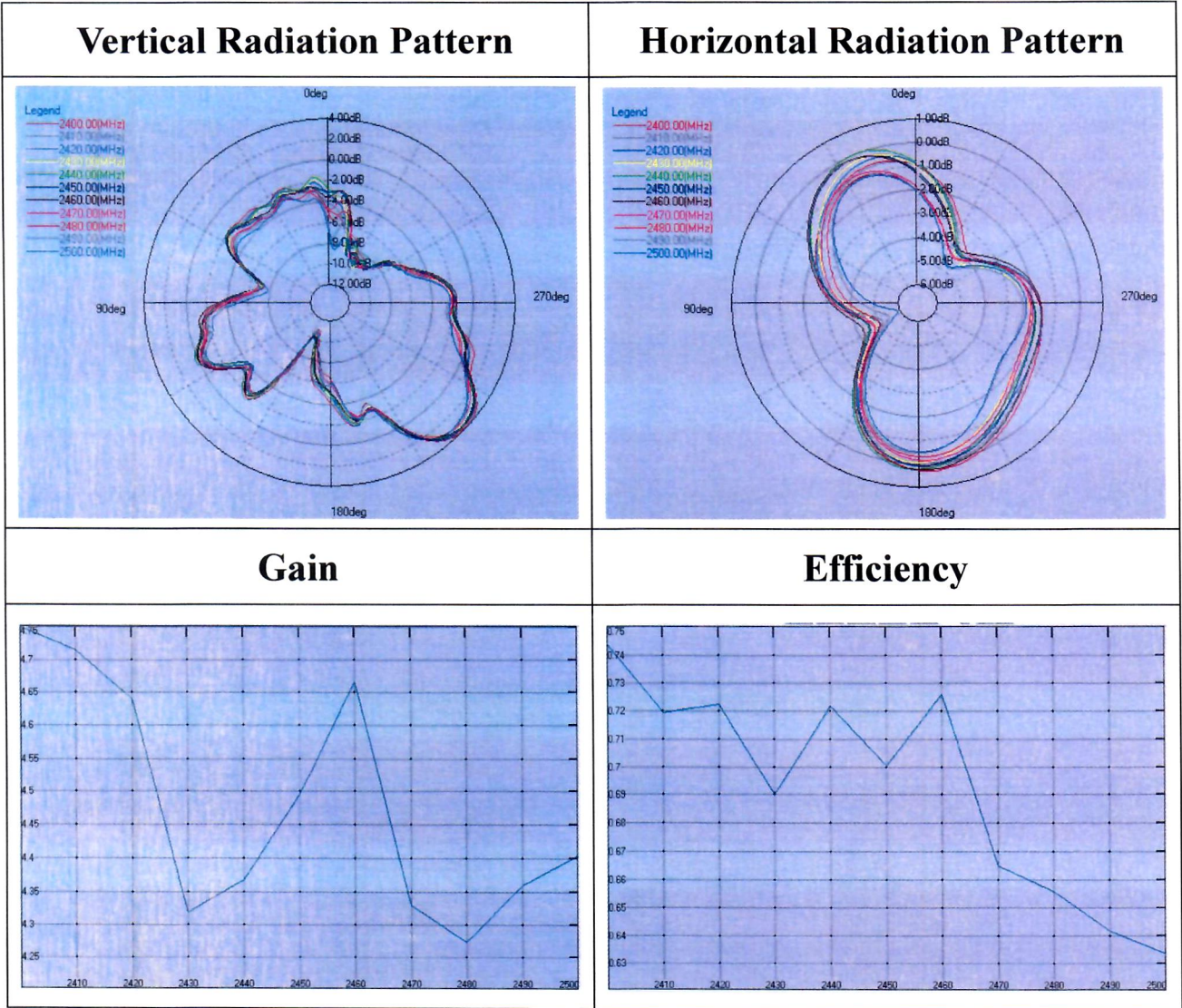
Item	Sample Number	Serial Number
1	AC2025112403	/

Electrical Performance Test Result

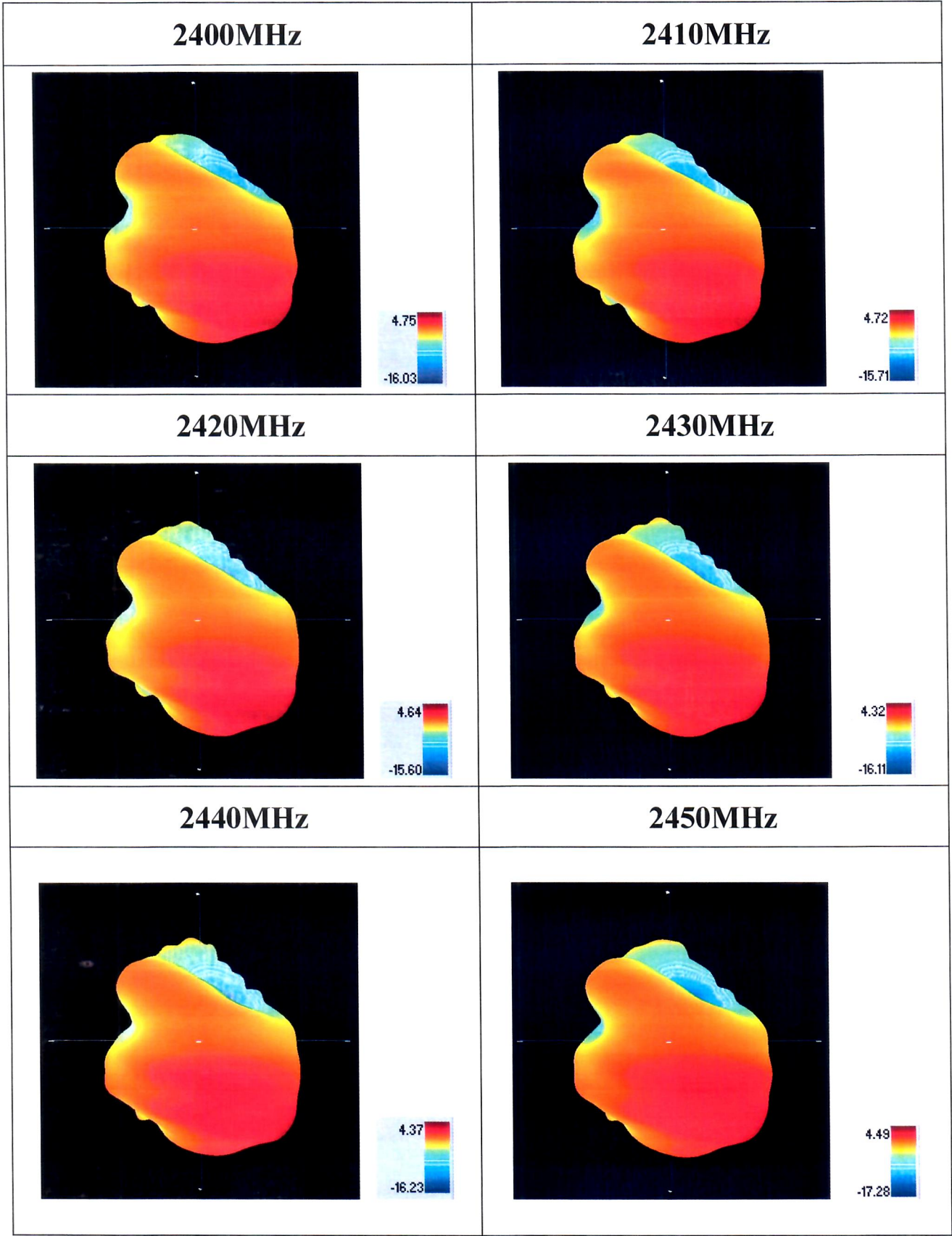
Item	Test Item	Technical Requirement	Unit	Test Frequency (MHz)	Test Result
1	Gain	/	dBi	2400	4.75
				2410	4.72
				2420	4.64
				2430	4.32
				2440	4.37
				2450	4.49
				2460	4.67
				2470	4.33
				2480	4.27
				2490	4.36
				2500	4.41
2	Efficiency	/	%	2400	74.36
				2410	71.94
				2420	72.23
				2430	69.00
				2440	72.15
				2450	70.06
				2460	72.59
				2470	66.50
				2480	65.60
				2490	64.18
				2500	63.37
3	VSWR	/	/	2400-2500	2.63
4	Radiation Pattern	/	/	2400-2500	Pages 6-8
Note: Test Method: Near Field Measurement Method.					

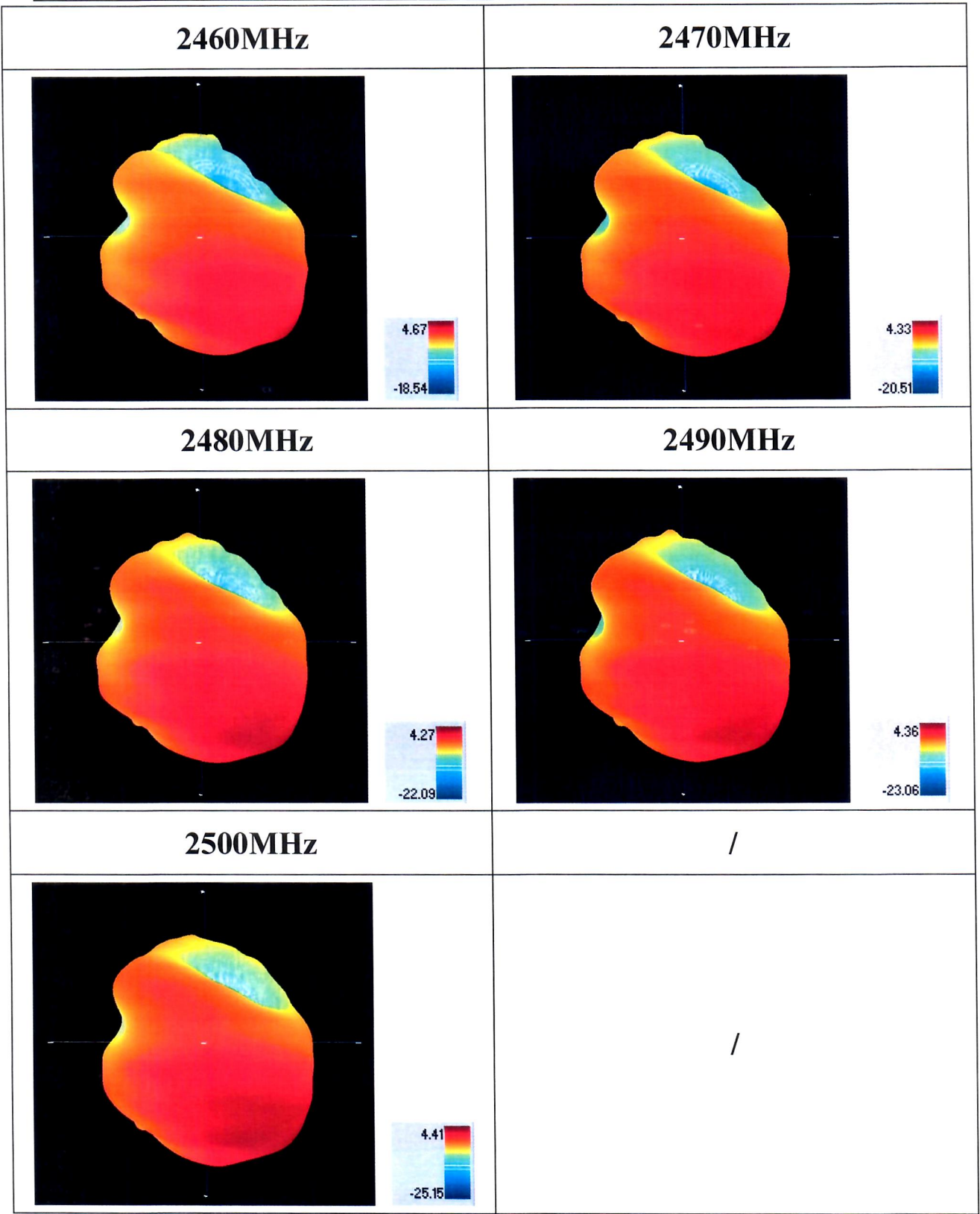
Radiation Pattern

2D

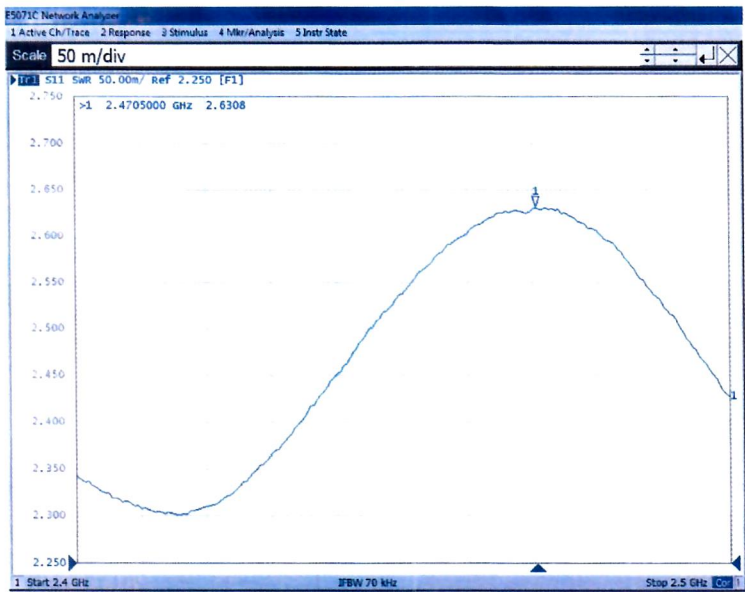


3D

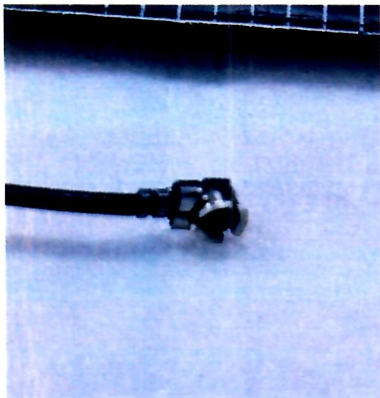
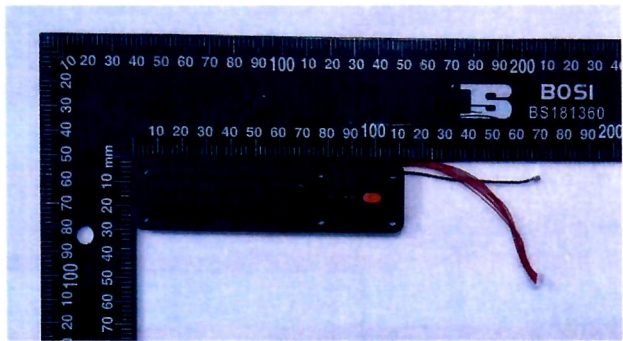
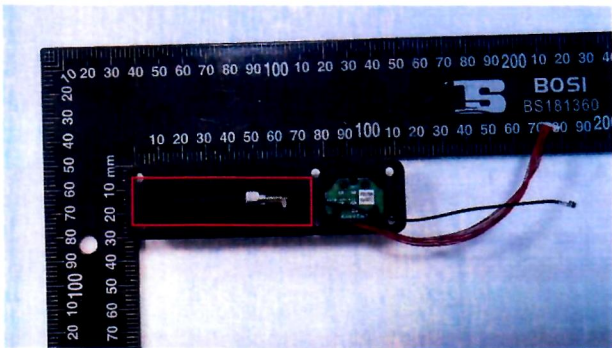




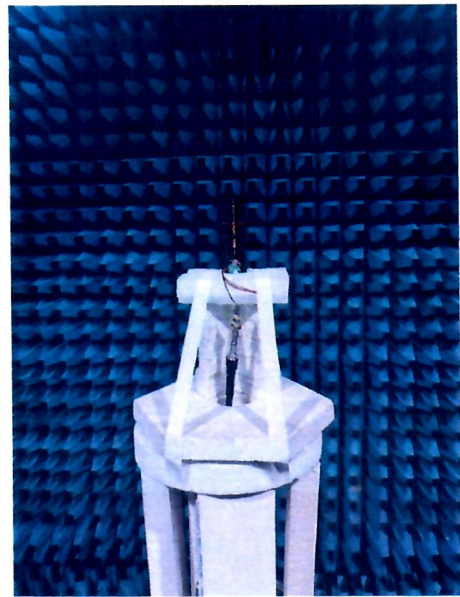
VSWR



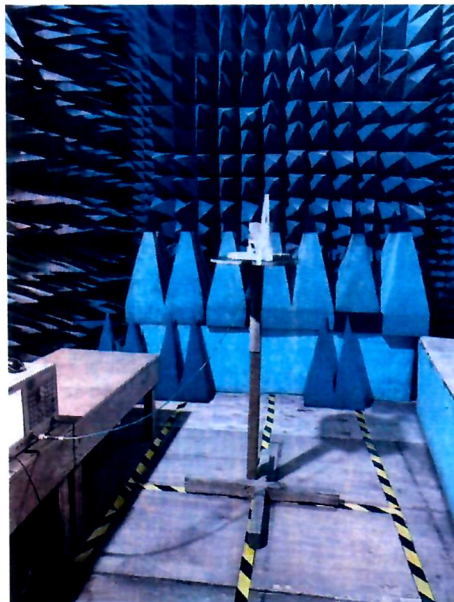
Sample photo



Radiation Pattern Test site



VSWR Test site



Main instruments and equipment for testing and test system

No.	NAME	Model	SERIAL NUMBER	VALIDITY DATE (DD/MM/YY)
1	Analog Signal Generator	N5181A	XCRE034	04/03/2026
2	Analog Signal Generator	N5181A	XCRE035	13/07/2026
3	Standard Gain Antenna	SH400-440	XCA014	20/11/2026
4	ENA Series Network Analyzer	E5071C	XCRE038	28/07/2026
5	Microwave Anechoic Chamber	5m×5m×5m	XCC03	21/08/2026
6	SG64 Antenna Test System	SATENV 2.0.1.5 Build12	XCXT03	N/A

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