Report No.: XCL-AC202406-0086

TEST REPORT

Product Name: Creative Reference Monitor w/ Bluetooth EU

Model: CR3.5BT/CR4.5BT

Test Sort: External Commission Test

Client: LOUD AUDIO,LLC.

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		Creative Reference Monitor w/ Bluetooth EU	Manufacture Date	/
Product Model		CR3.5BT/CR4.5BT	Brand Name	/
Client	Name	LOUD AUDIO,LLC.		
	Address	19820 North Creek Parkway, Suite #201, Bothell, WA 98011-8227, USA		
Test Type		External Commission Test		
Test Place		SG64 Anechoic Chamber (Guangdong Xingci testing technology research Co.,Ltd.)		
Sample Qty		1pc	Test Date	Jun 25, 2024
Test Environment		Temperature: (21~22) ℃	Relative Humidity: (63~67) %	
Test Item		Electrical performance: Radiation Pattern, Gain,Efficiency		
Test Standard		According to the client's requirements, refer to the following standard: IEEE Std 149™-2021		
Test Description		Guangdong Xingci testing technology research Co., Ltd. tested the electrical performance of 1pc of Creative Reference Monitor w/ Bluetooth EU under the guideline of relevant standard. Please see test result in page 5, Radiation Patterns in pages 6-8.		
Remarks				

Tested by:	Checked by:	Approved by: (Authorized signatory)
Guanzhiliang	Zhang Xiao Jun	Luo Guanhua
Date: Jun 25, 2024	Date: JUN 27, 2024	Date: Jun. 27, 2024

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 8-9
Remarks (Provided by the customer)	Antenna size: 11mm×6mm Device size: 136mm×58mm Device weight: 89.5g

Sample Number

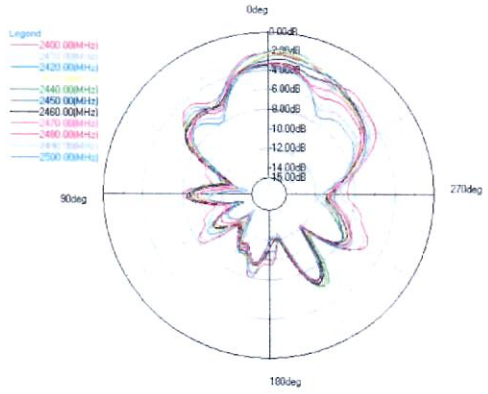
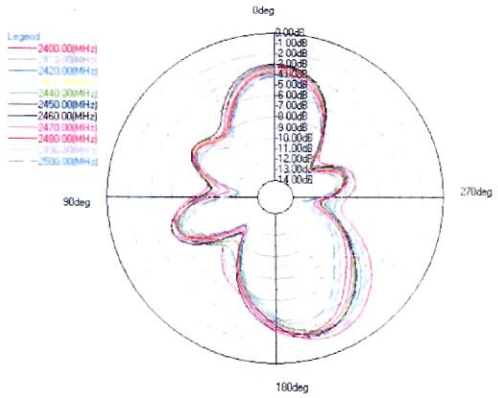
Item	Sample Number	Serial Number
1	AC2024062505	/

Electrical Performance Test Result

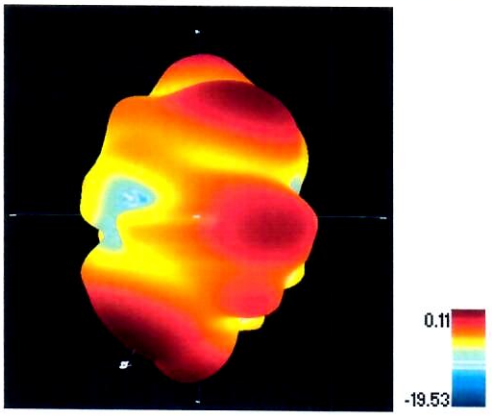
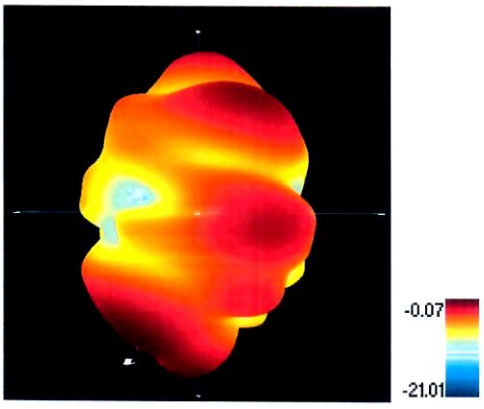
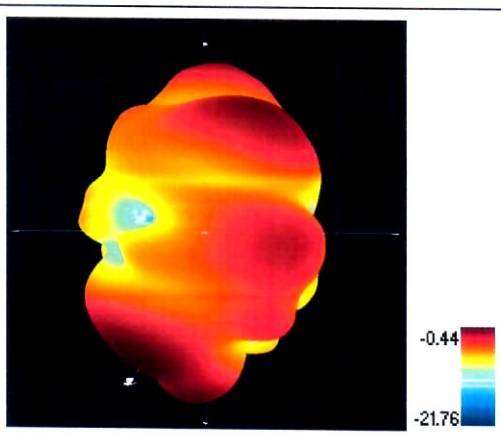
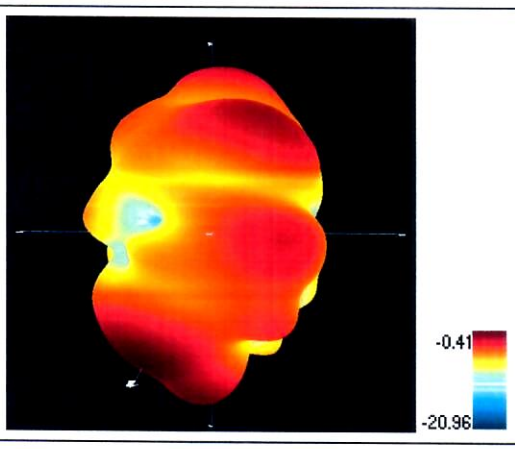
Item	Test Item	Technical Requirement	Unit	Test Frequency (MHz)	Test Result
1	Gain	/	dBi	2400	0.11
				2410	-0.07
				2420	-0.44
				2430	-0.41
				2440	-0.25
				2450	-0.64
				2460	-0.27
				2470	-0.48
				2480	-1.08
				2490	-1.18
				2500	-1.26
2	Efficiency	/	%	2400	31.76
				2410	29.88
				2420	28.38
				2430	27.30
				2440	27.41
				2450	27.38
				2460	28.21
				2470	26.43
				2480	24.79
				2490	23.05
				2500	21.70
3	Radiation Pattern	/	/	2400-2500	Pages 6-8
Note:Test Method: Near Field Measurement Method.					

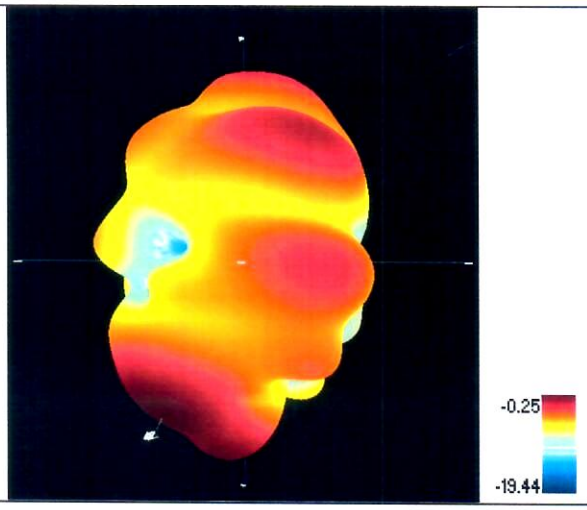
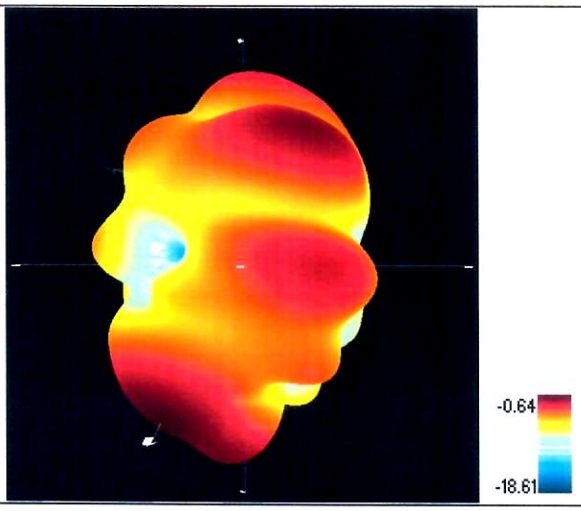
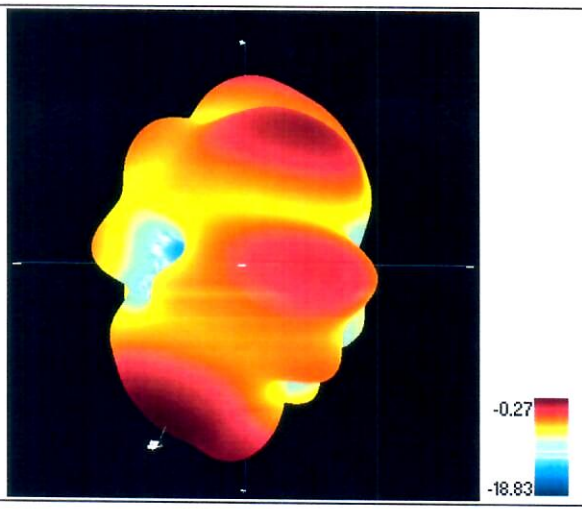
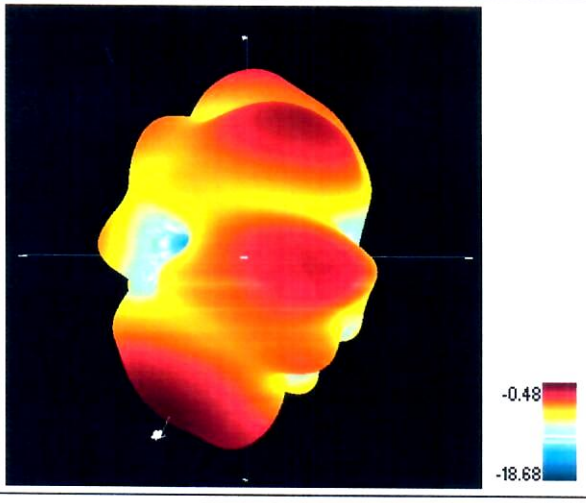
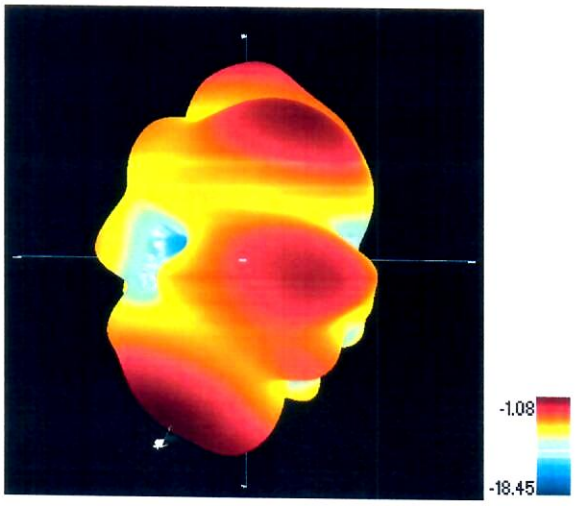
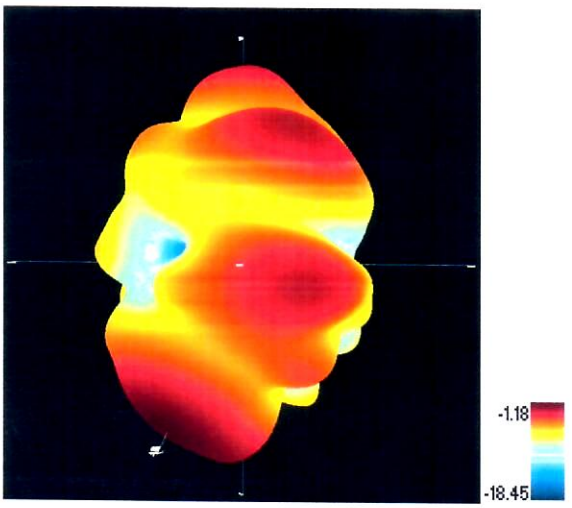
Radiation Pattern

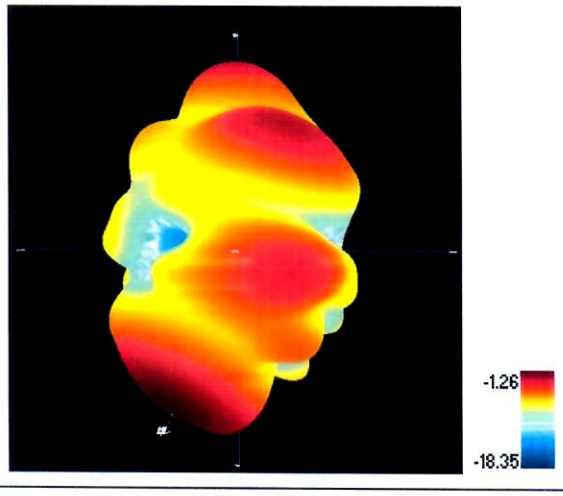
2D

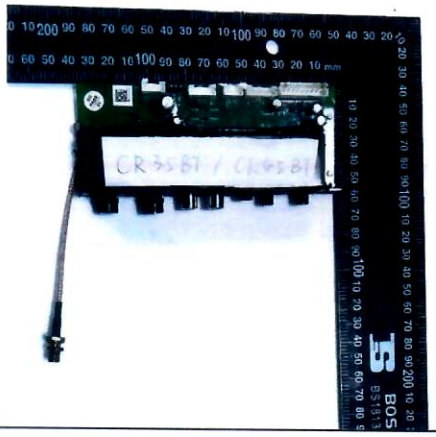
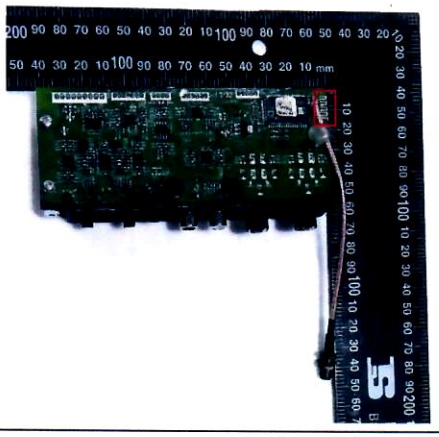
Vertical Radiation Pattern	Horizontal Radiation Pattern
	

3D

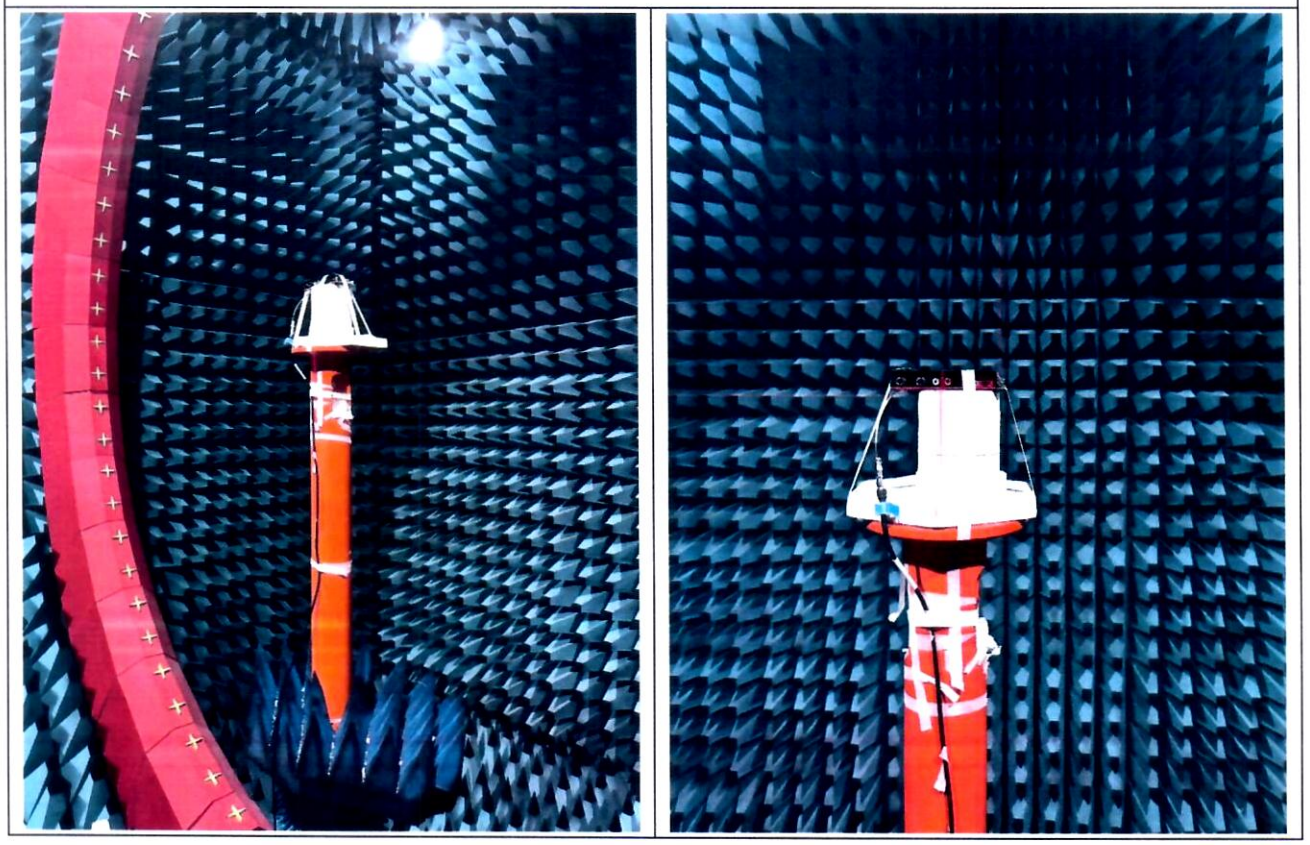
2400MHz	2410MHz
	
2420MHz	**2430MHz**
	

2440MHz	2450MHz
	
2460MHz	**2470MHz**
	
2480MHz	**2490MHz**
	

2500MHz	/
	/

Sample photo	
	

Radiation Pattern 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	N5172B	MY59100269	05/03/2025
2	Analog Signal Generator	N5181A	MY50140747	05/03/2025
3	Standard Gain Antenna	SH400-440	XCA014	22/11/2024
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

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