



REPORT No.: SZ23070165E01

TEST REPORT

APPLICANT : Gemstar Technology(Yangzhou) Co.Ltd

PRODUCT NAME : Remote control

MODEL NAME : OFA Prestige Platform 6 device 2022

TRADE NAME : N/A

BRAND NAME : N/A

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2023-07-19

TEST DATE : 2023-07-19

ISSUE DATE : 2023-07-24



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MORLAB

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Change History		
Version	Date	Reason for change
1.0	2023-07-24	First edition



1. Technical Information

Note: Provide by Applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Gemstar Technology(Yangzhou) Co.Ltd
Applicant Address:	Room 606, Guofa building, #3110 Renmin Road, Suzhou,Jiangsu Province, China
Manufacturer:	N/A
Manufacturer Address:	N/A

1.2. Equipment Under Test (EUT) Description

Wireless Type	Bluetooth
Frequency	2400MHz-2500MHz
IMEI	N/A
Sample No.	1#&2#

2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE Std 149-2021	IEEE Recommended Practice for Antenna Measurements

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity(%):	25 – 75
Temperature(°C):	10 – 30

2.3. Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in Measurement” (GUM) published by ISO. When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals.

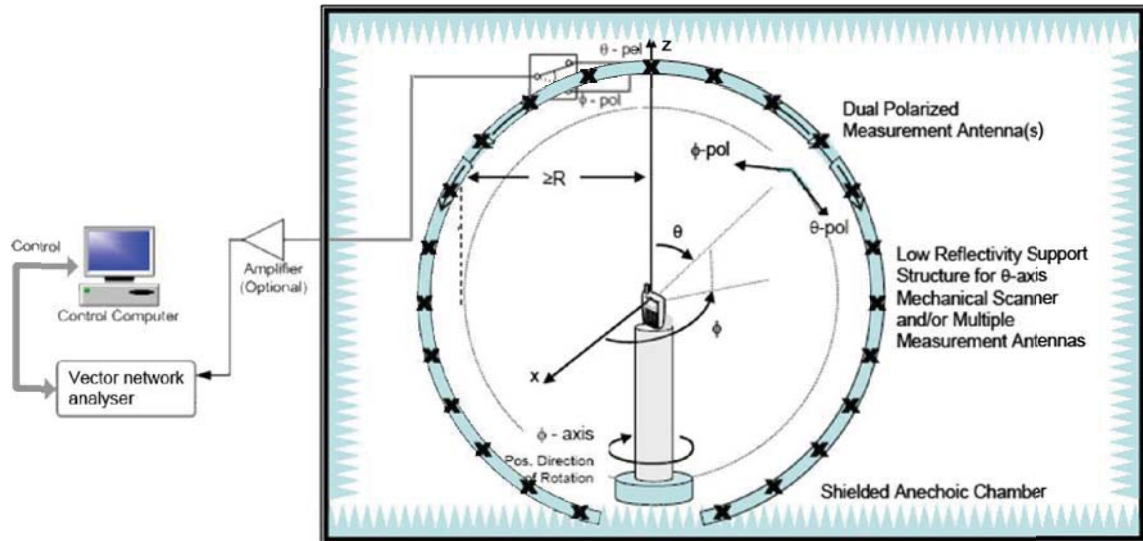


2.4. Test Results lists

2.4.1. Gain and Efficiency

Frequency (MHz)	Gain(dBi)		Efficiency(%)		Efficiency(dB)	
	1#	2#	1#	2#	1#	2#
2400	1.04	0.94	46.78	46.05	-3.30	-3.37
2402	1.07	1.04	46.99	46.27	-3.28	-3.35
2410	1.08	1.04	46.38	45.80	-3.34	-3.39
2420	0.87	0.87	45.68	45.31	-3.40	-3.44
2430	0.64	0.60	44.89	44.67	-3.48	-3.50
2440	0.73	0.71	46.05	45.87	-3.37	-3.39
2450	0.85	0.88	47.43	47.22	-3.24	-3.26
2460	0.91	0.94	48.68	48.52	-3.13	-3.14
2470	0.81	0.89	47.92	47.92	-3.19	-3.19
2480	0.61	0.63	47.00	47.03	-3.28	-3.28
2490	0.53	0.58	46.39	46.49	-3.34	-3.33
2500	0.50	0.54	47.86	47.99	-3.20	-3.19

Annex A Test Setup Photos

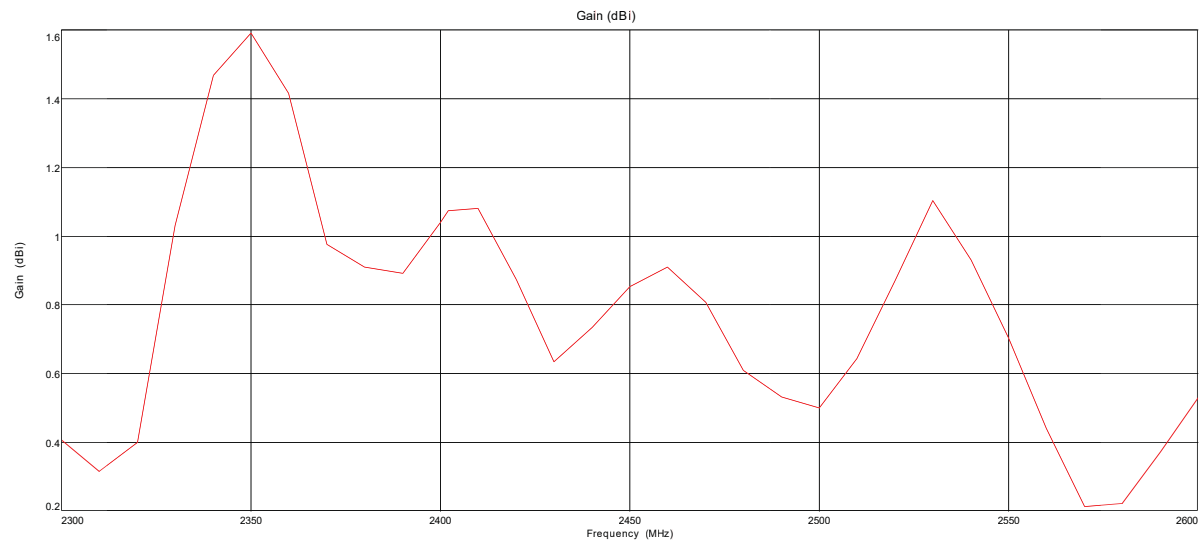




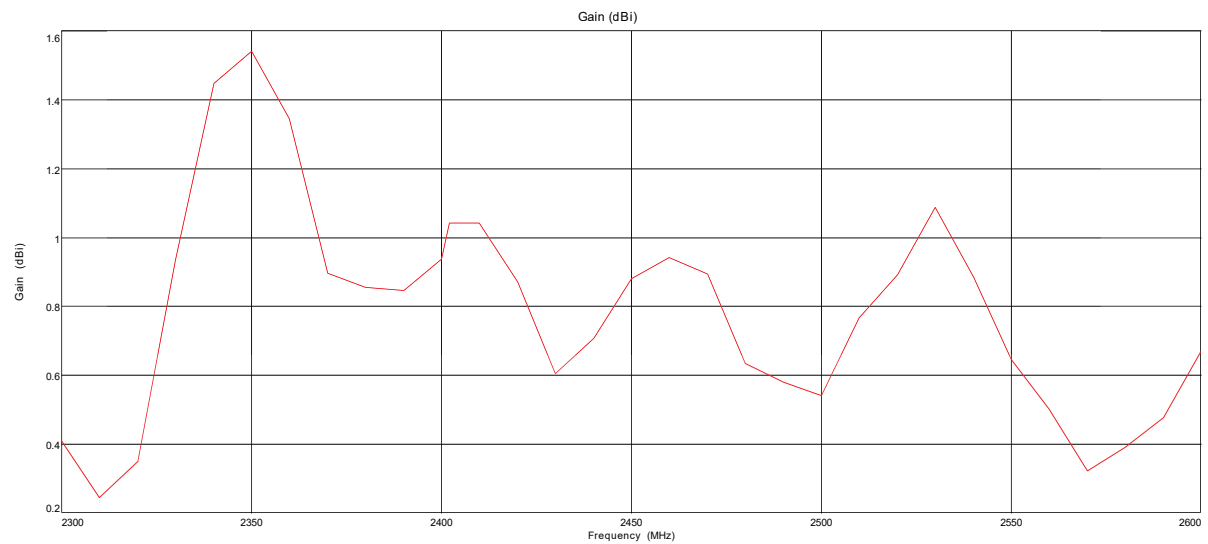
Annex B Figures

1. 2D Radiation Pattern

Gain



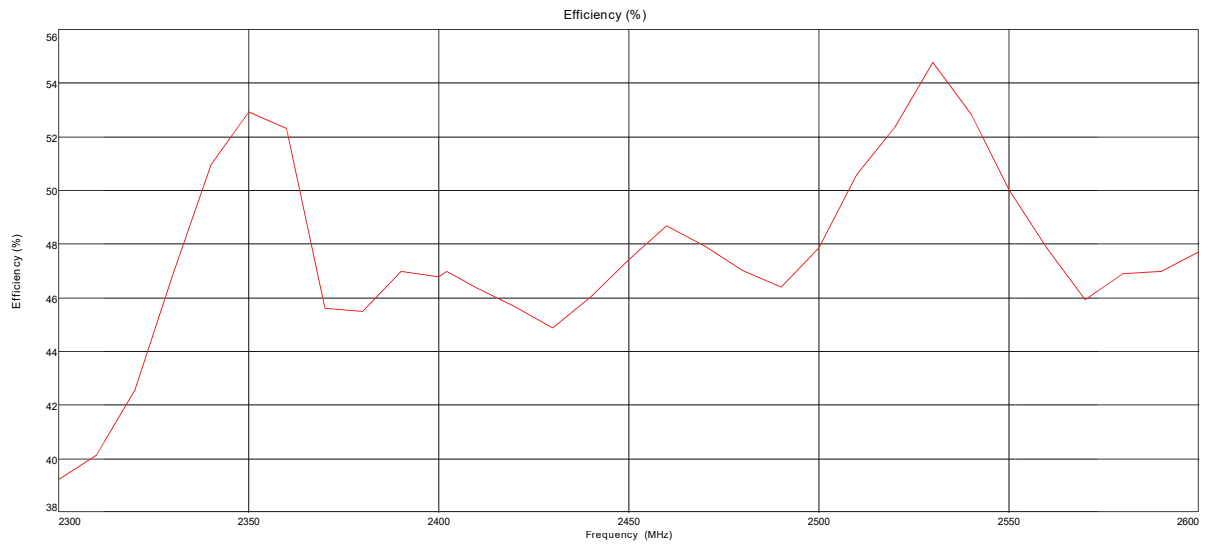
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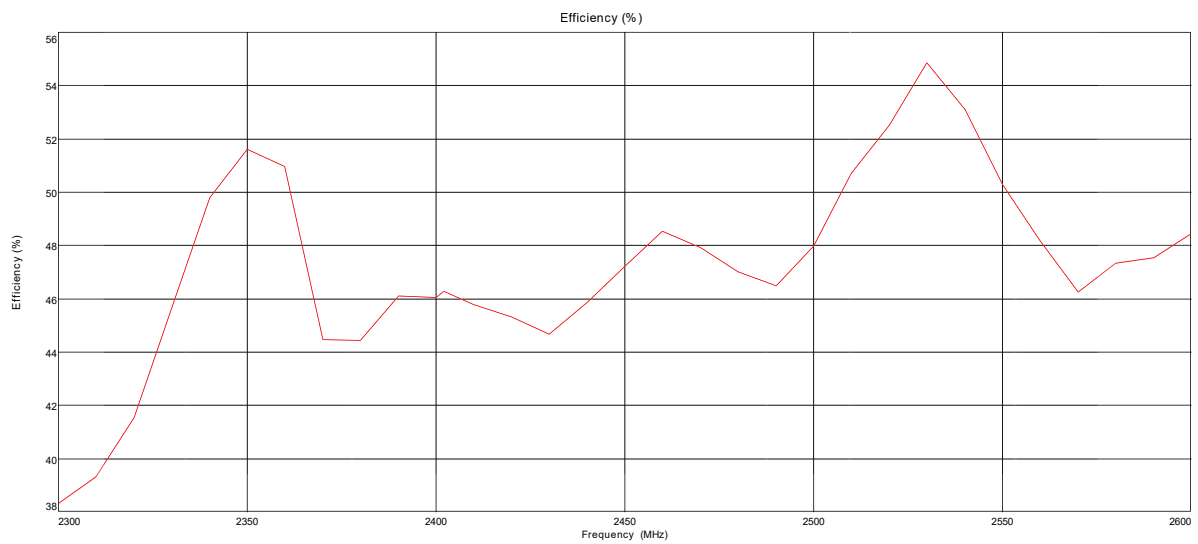
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Efficiency



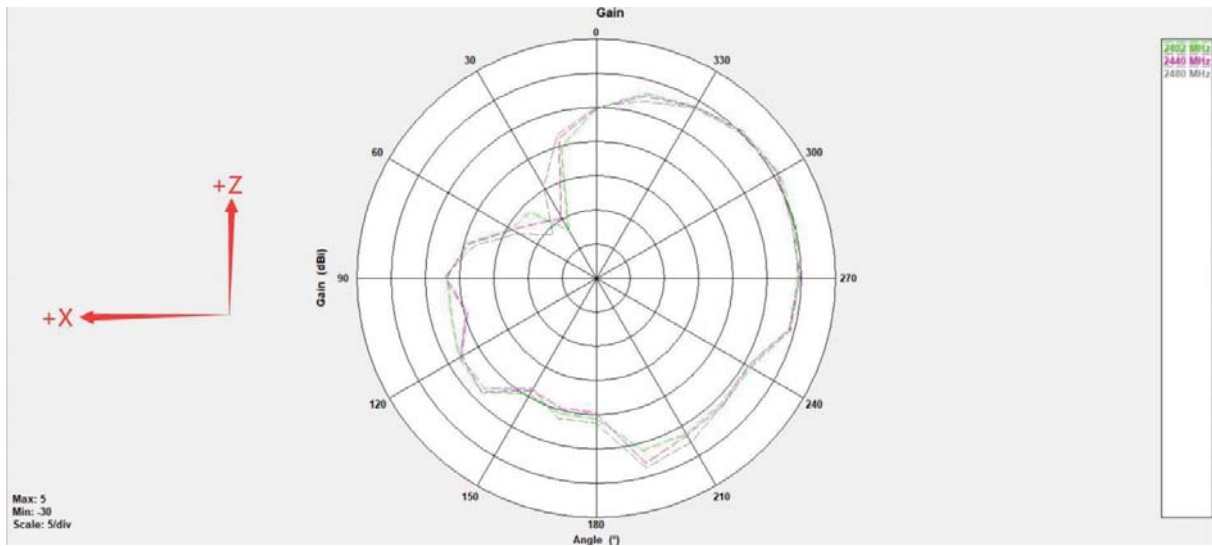
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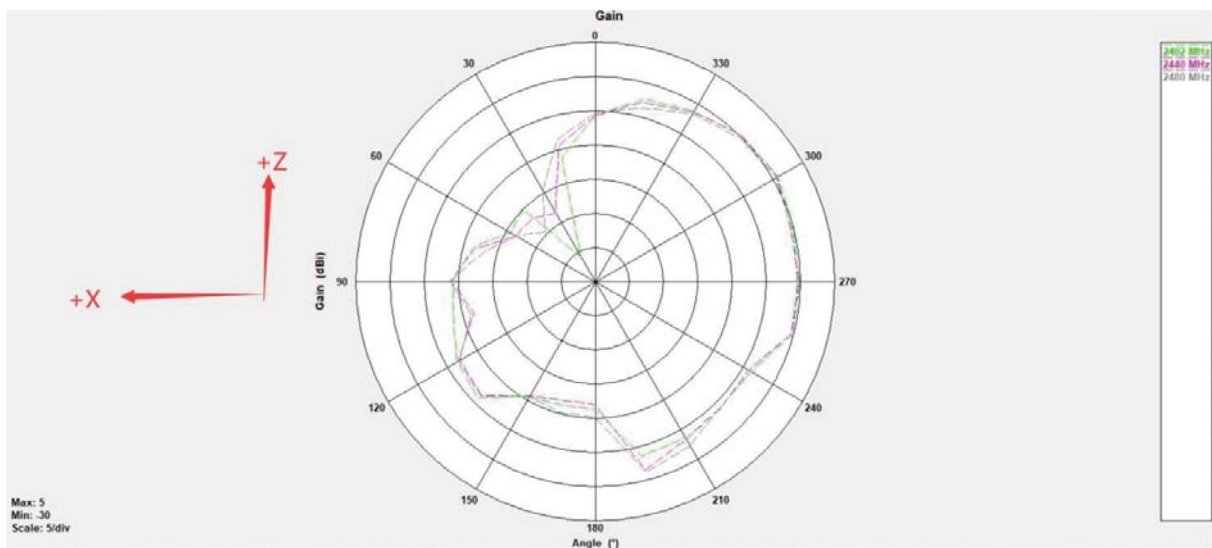
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Phi=0°



1#

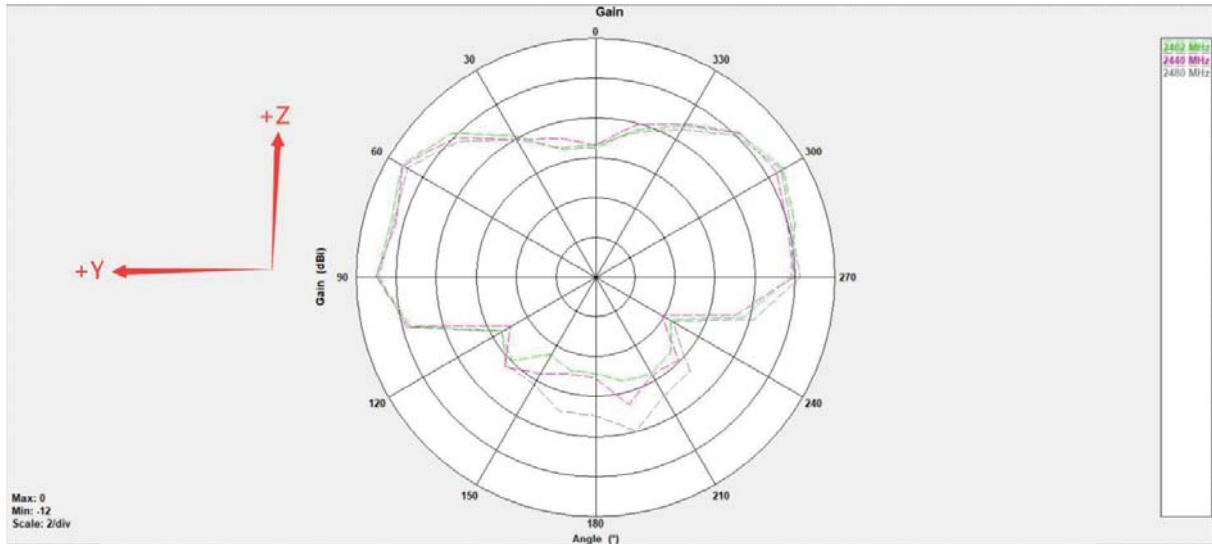


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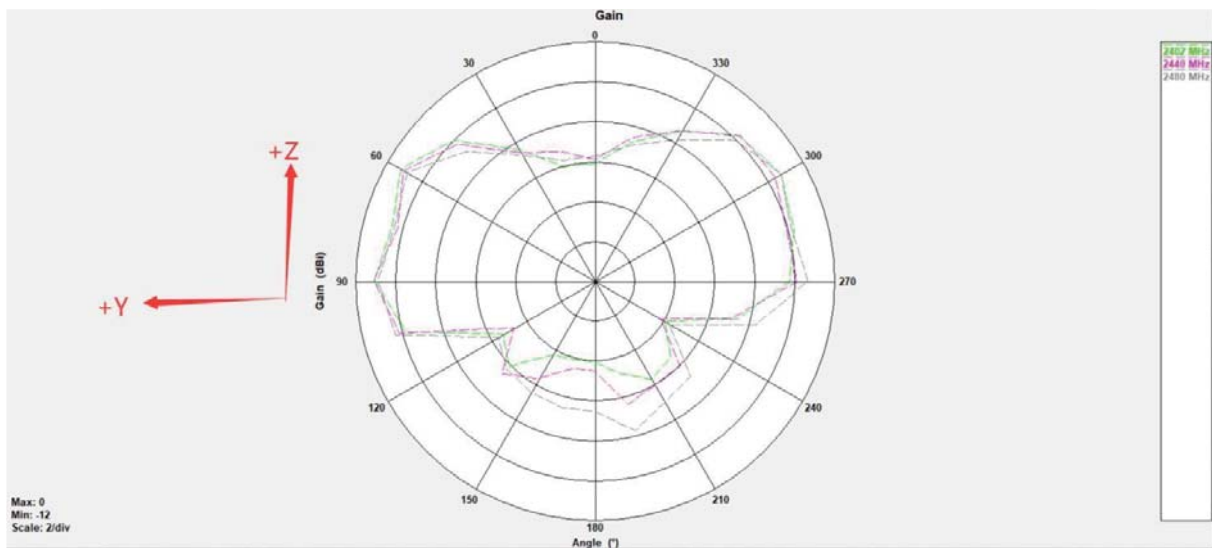


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Phi=90°

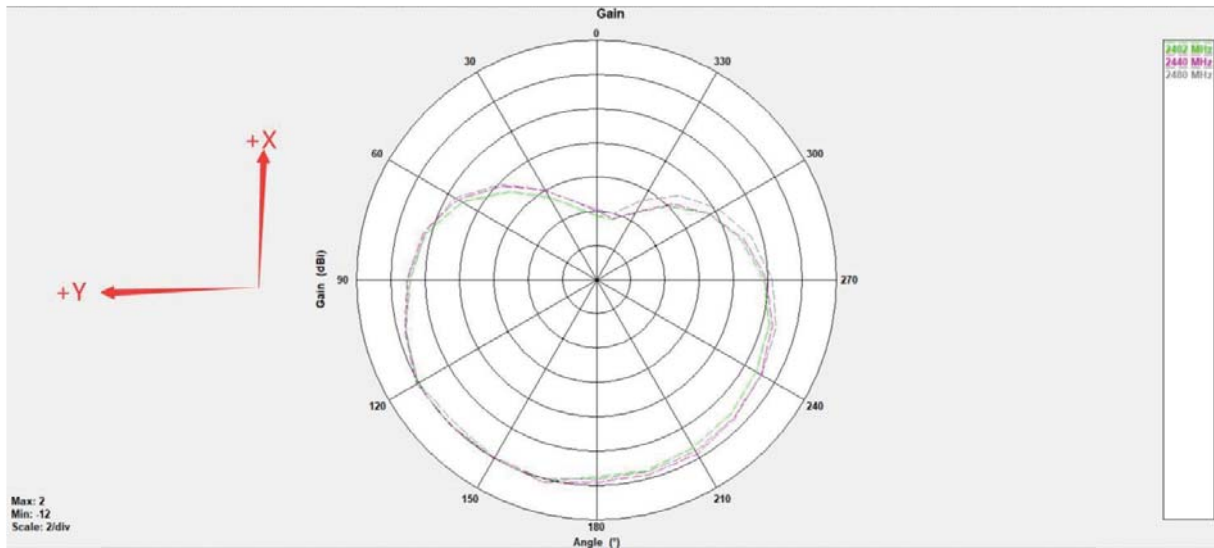


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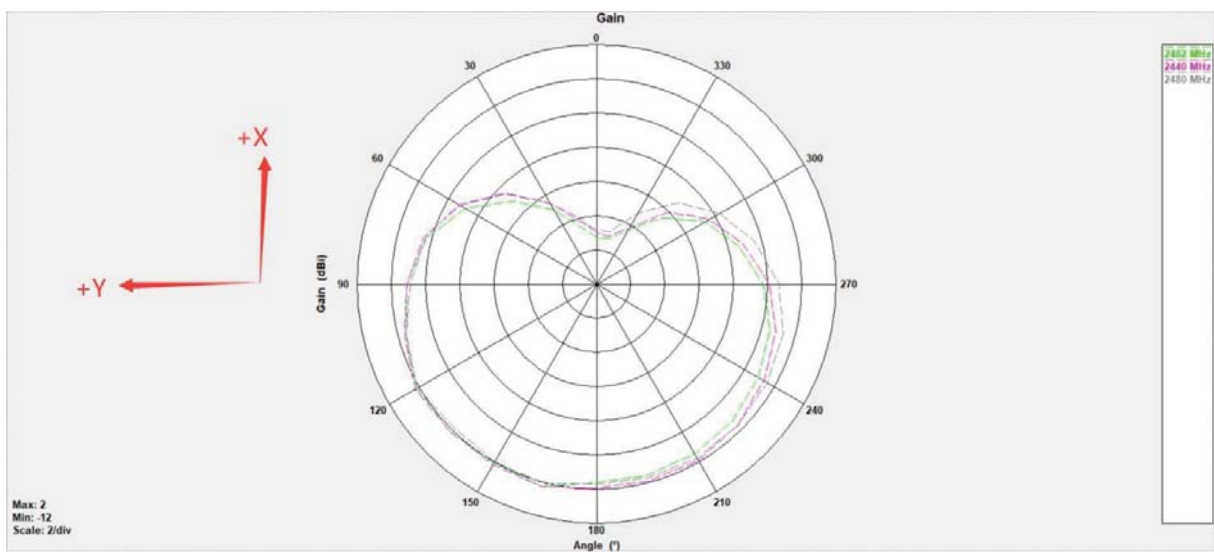


2#

Theta=90°

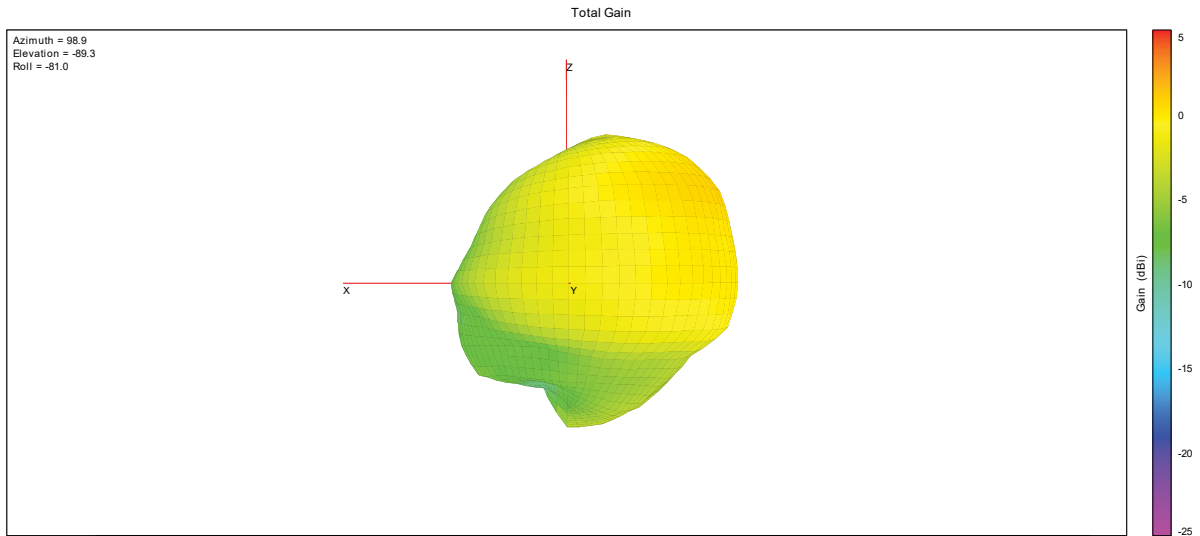


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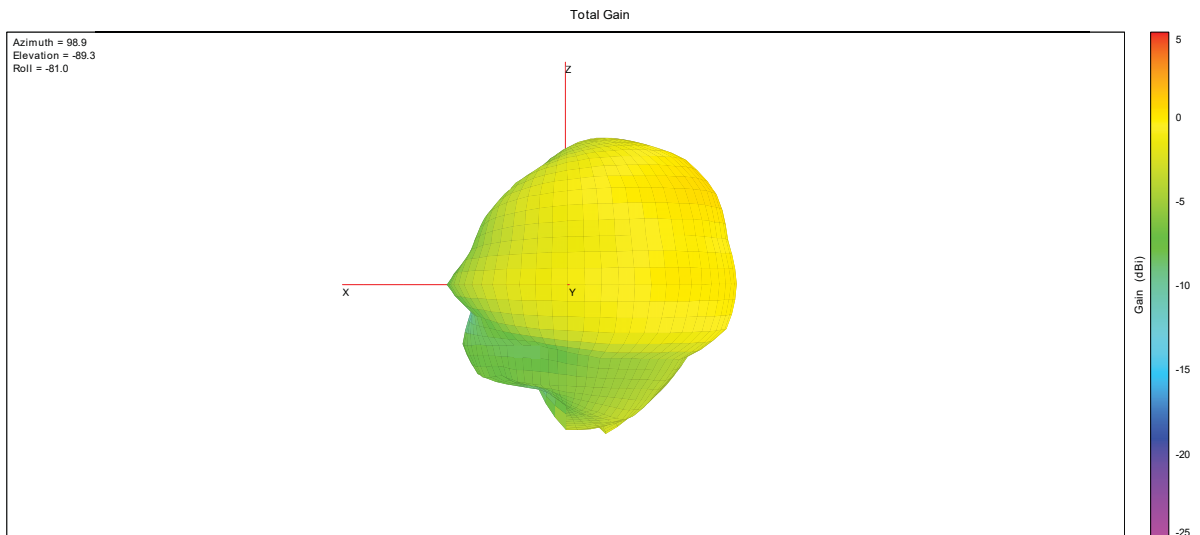


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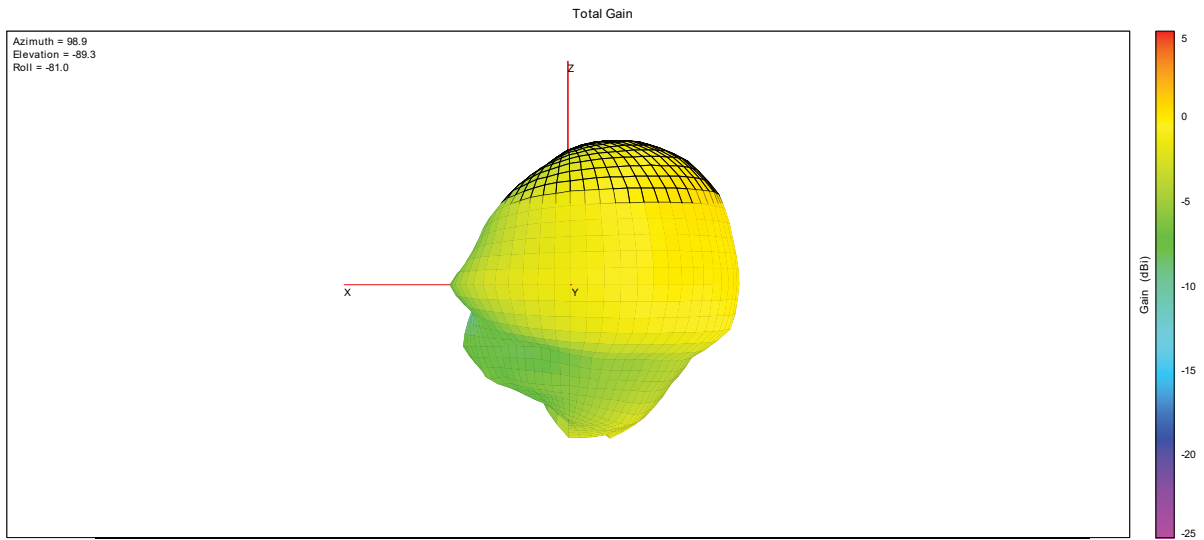
2. 3D Radiation Pattern



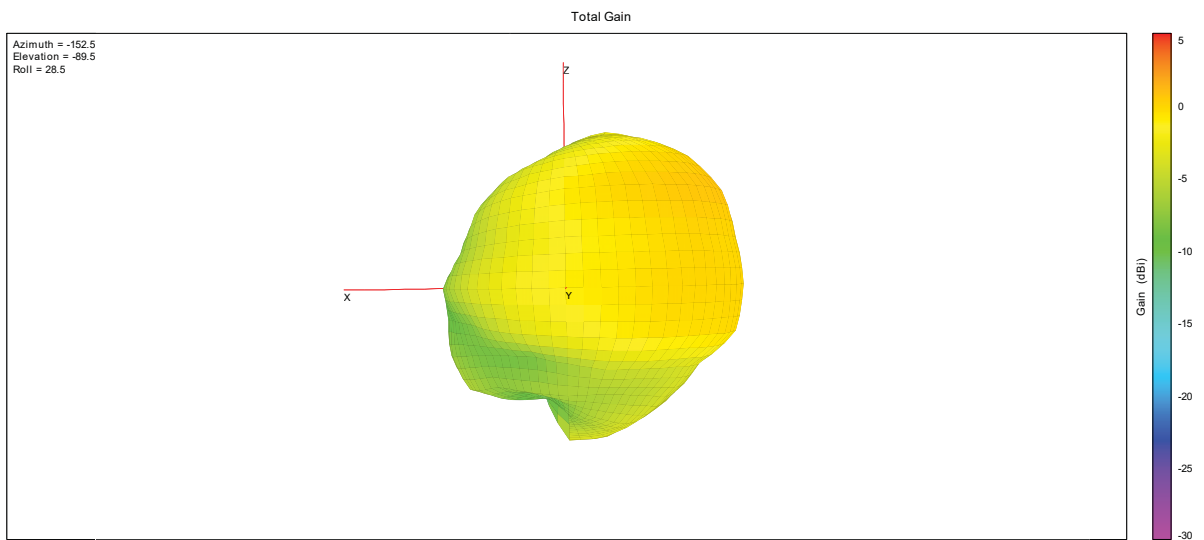
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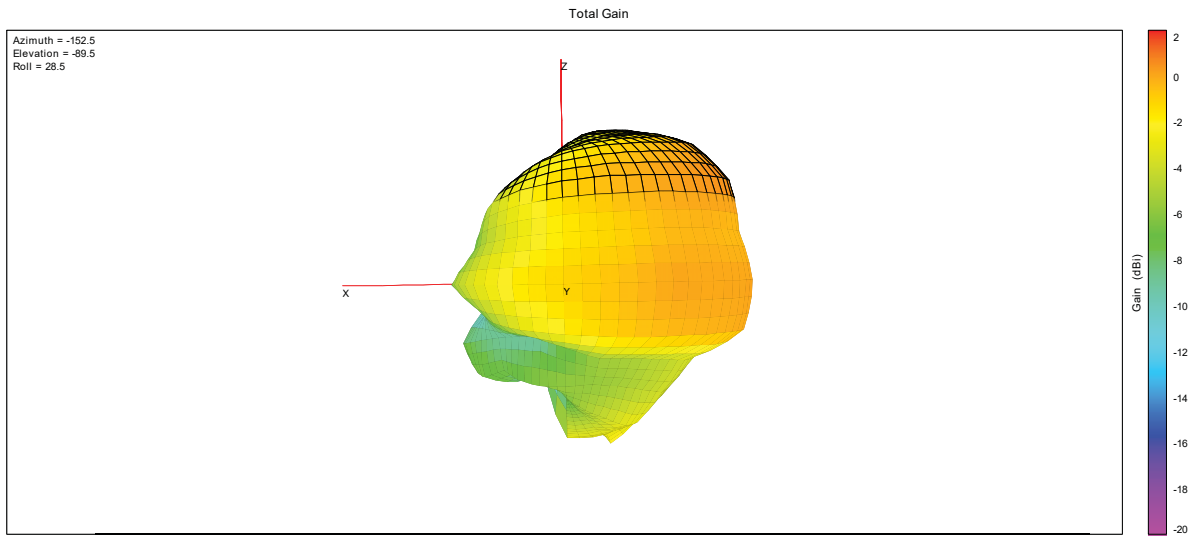
2440MHz_1#



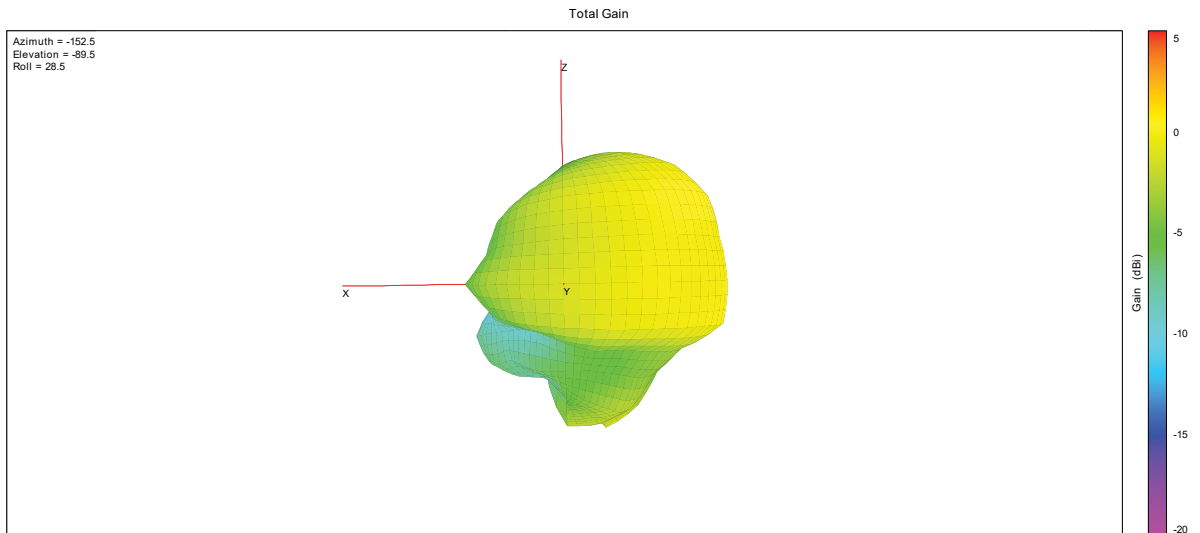
2480MHz_1#



2402MHz_2#



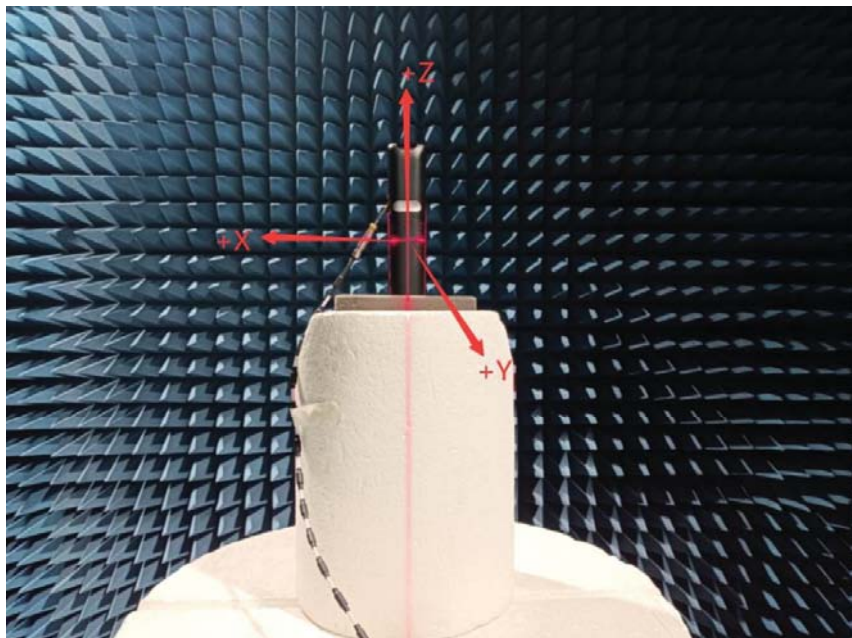
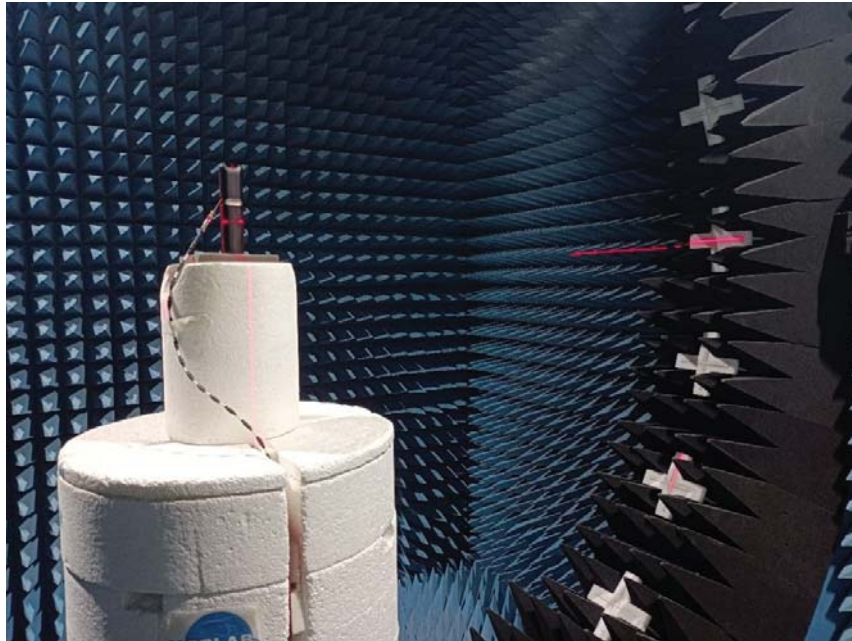
2440MHz_2#



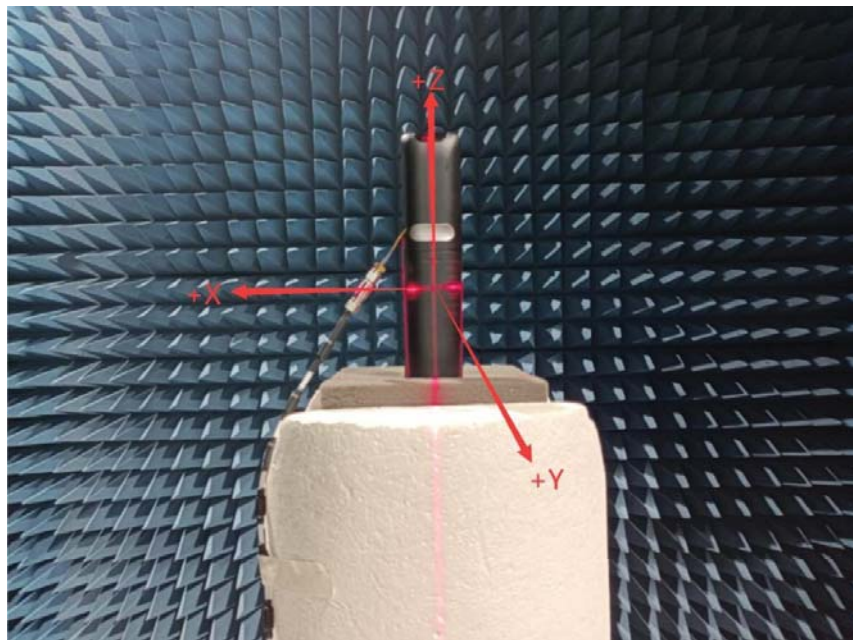
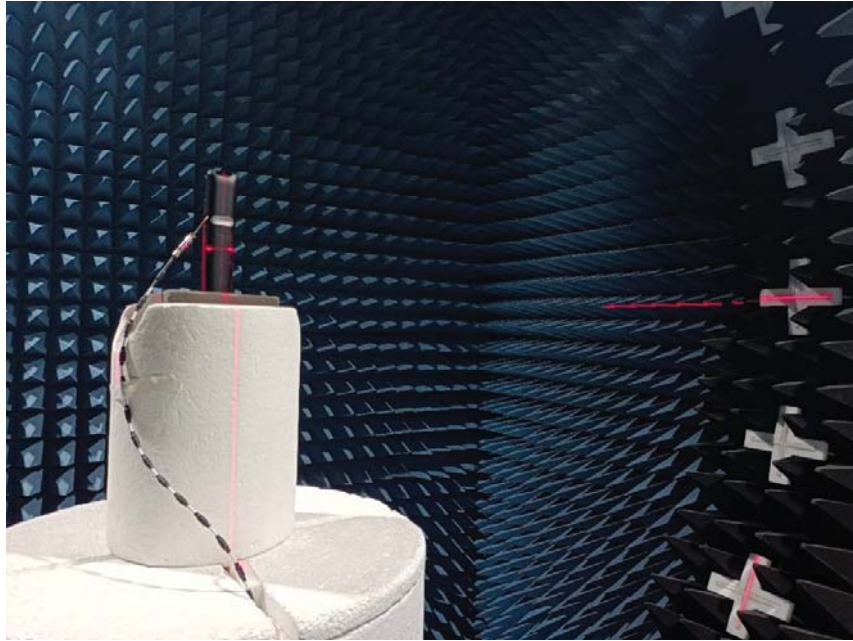
2480MHz_2#

Annex C EUT Photos

1. Test environment



1#



2#



Annex D General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R.China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R.China

1.3 Test Equipments Utilized

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Network Analyzer	MY46110140	E5071C	Agilent	2023.06.21	2024.06.20
2	OTA Chamber	TJ2235-Q1793	AMS-892 3-150	ETS	2022.11.30	2025.11.29
3	Antenna Measurement System	1685	EMQuest EMQ-100 V 1.13 Build 21267	ETS	N/A	N/A

————— END OF REPORT —————