



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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Chi Shide(Supervisor)

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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.

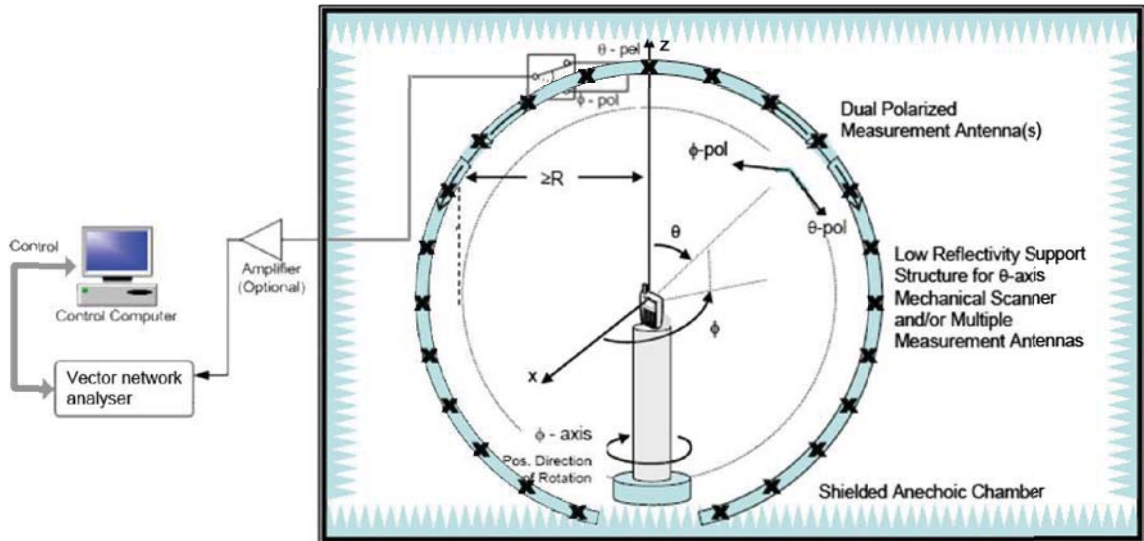


2.4. Test Results lists

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

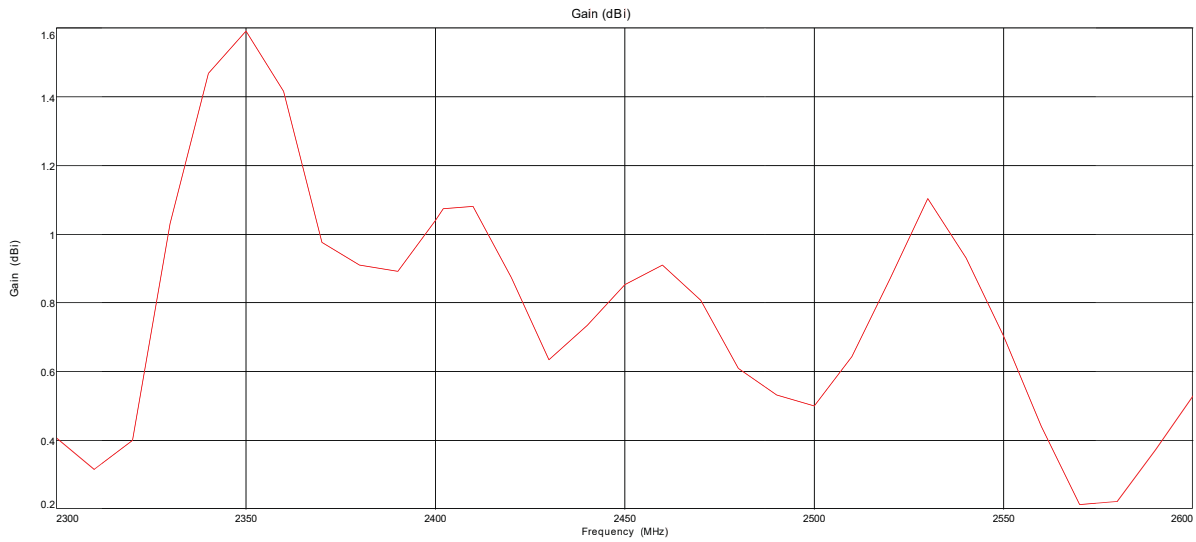




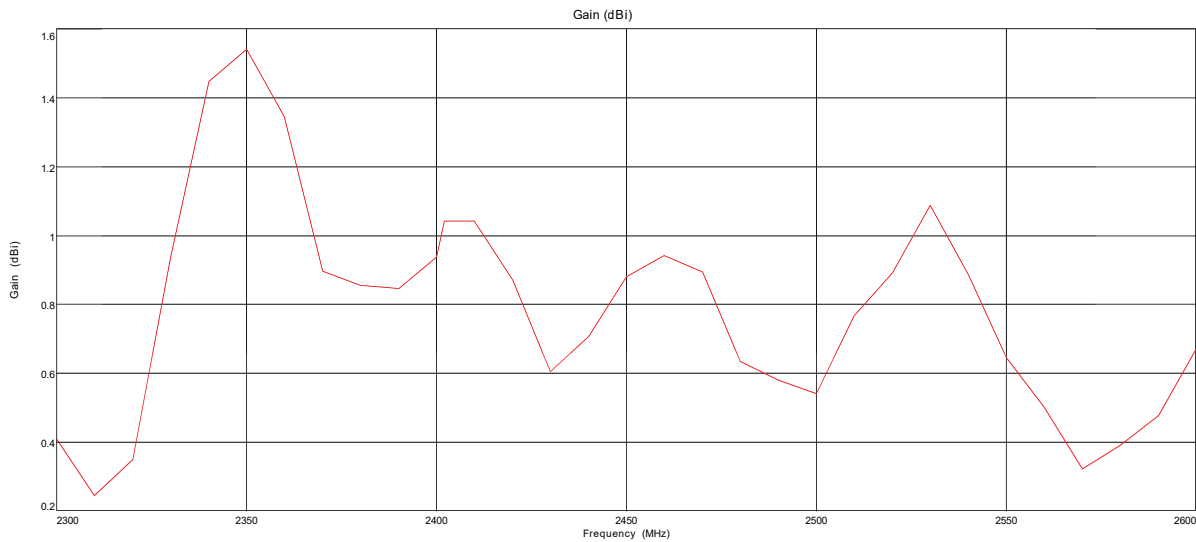
Annex B Figures

1. 2D Radiation Pattern

Gain



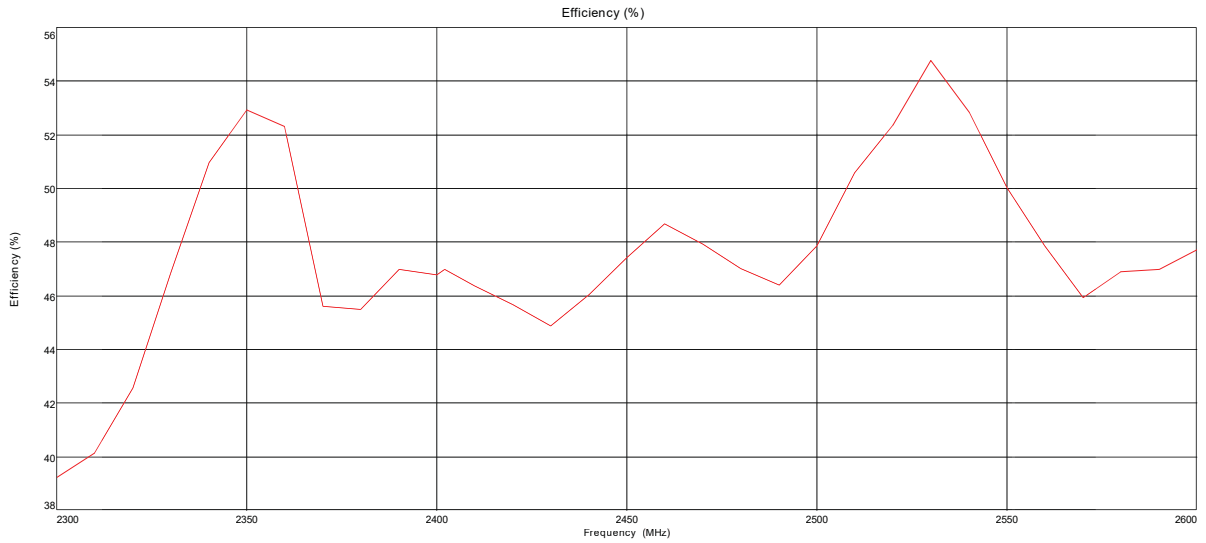
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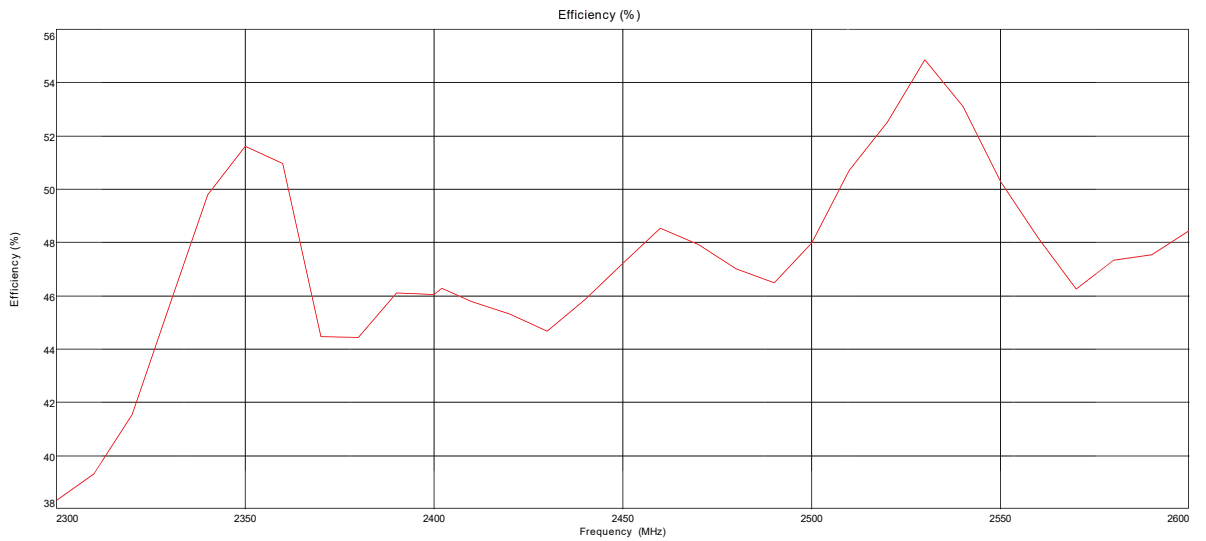
2#



Efficiency

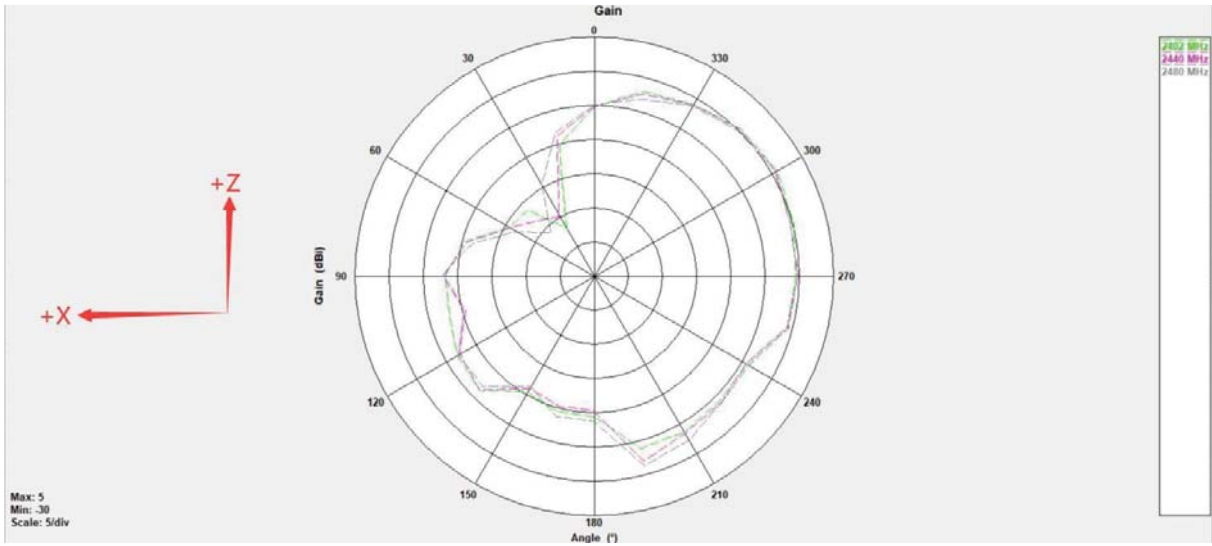


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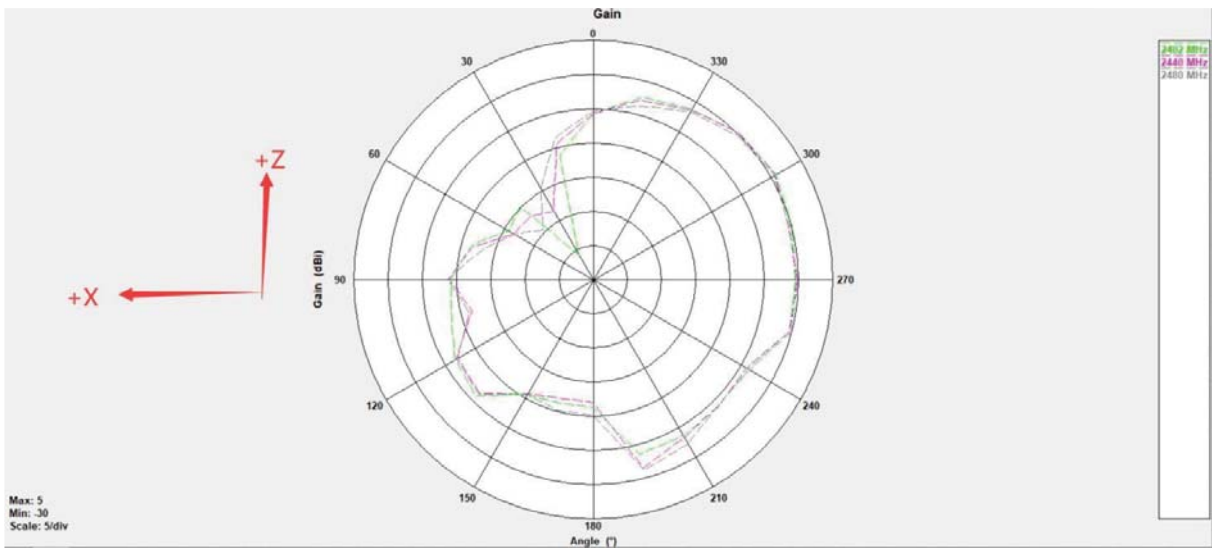


2#

Phi=0°

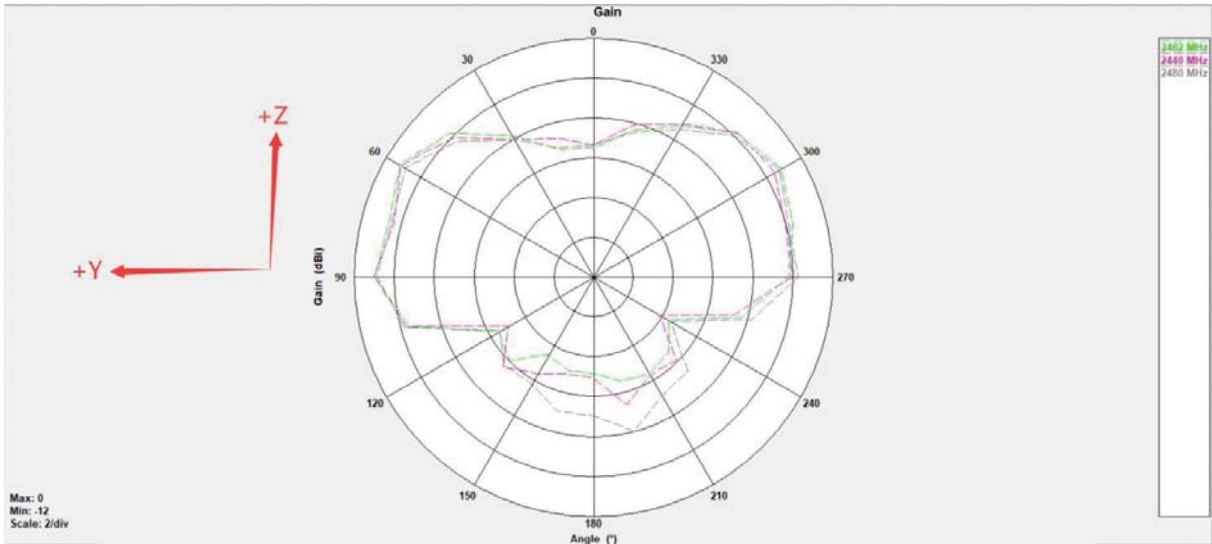


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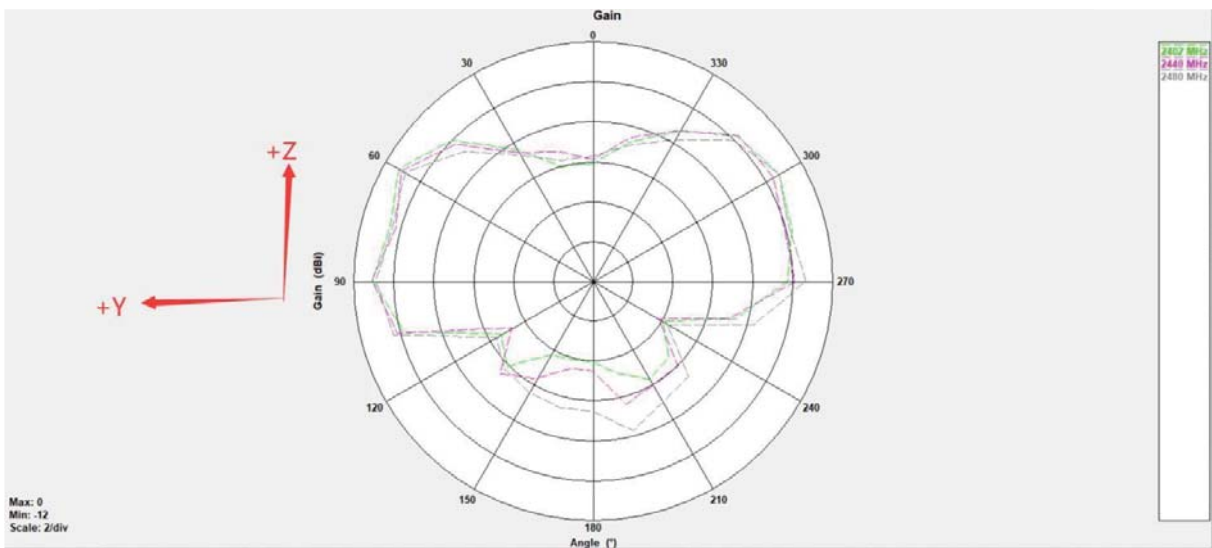


2#

Phi=90°

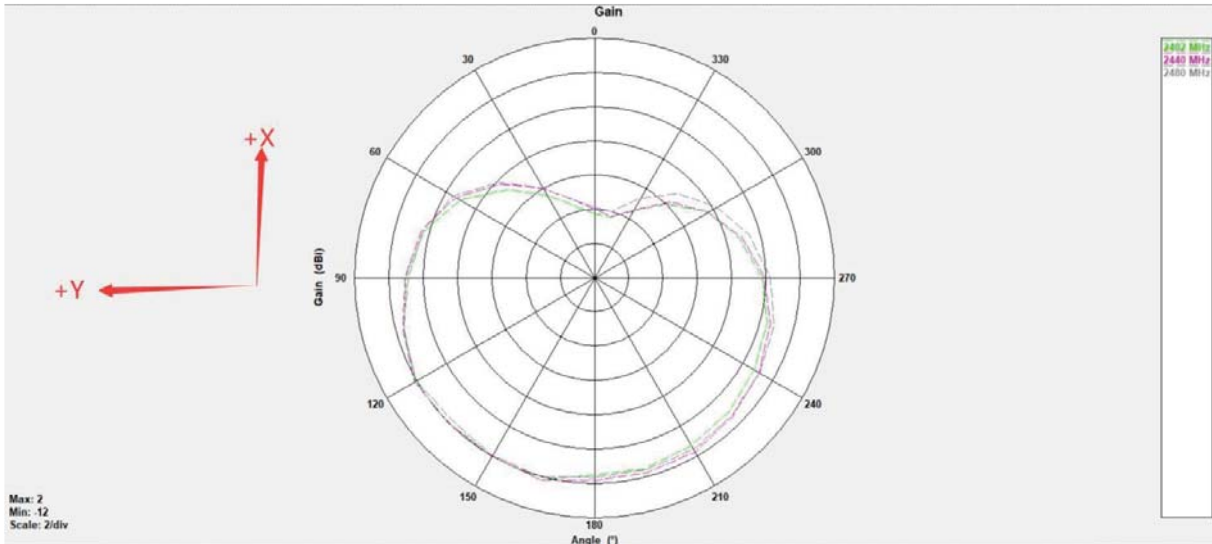


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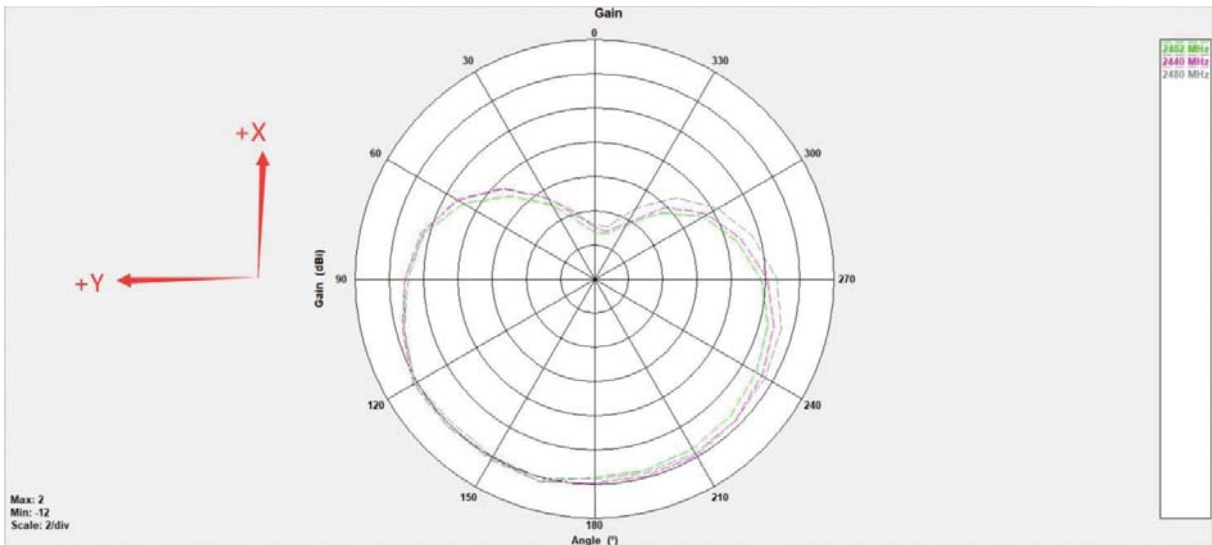


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Theta=90°

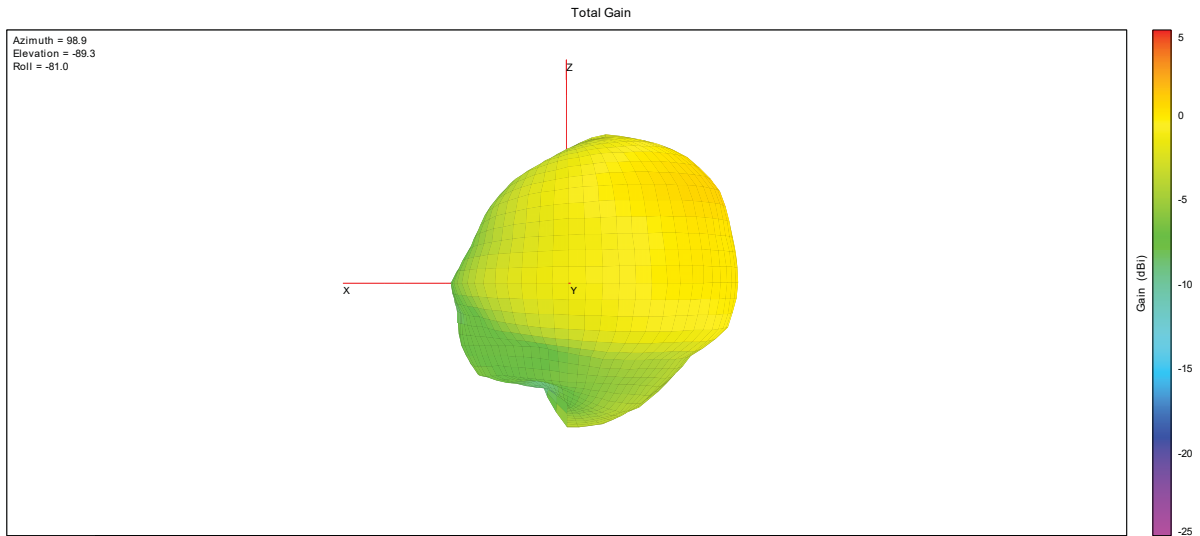


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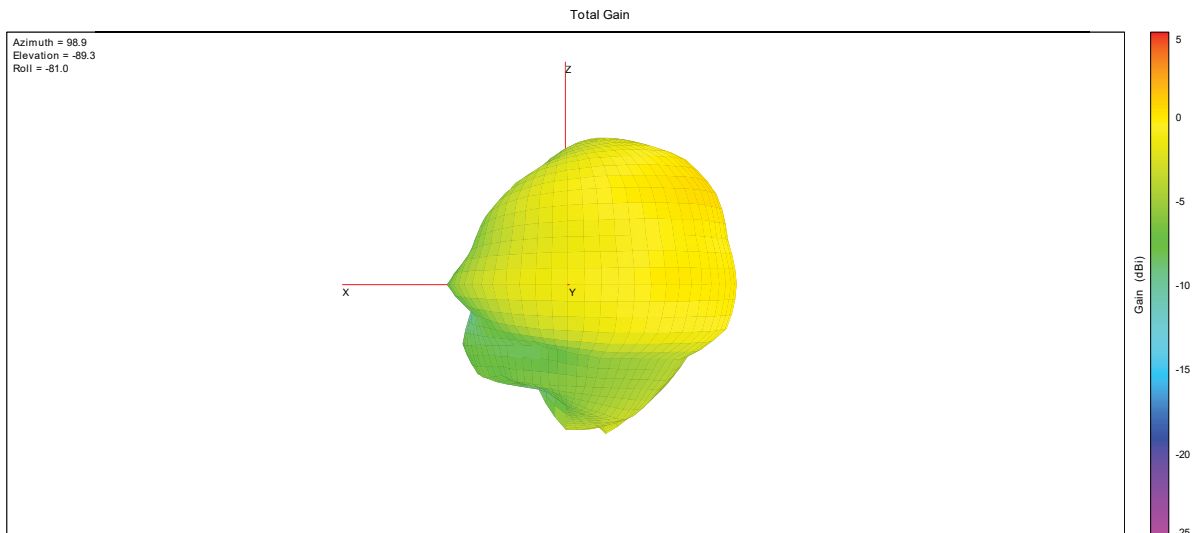


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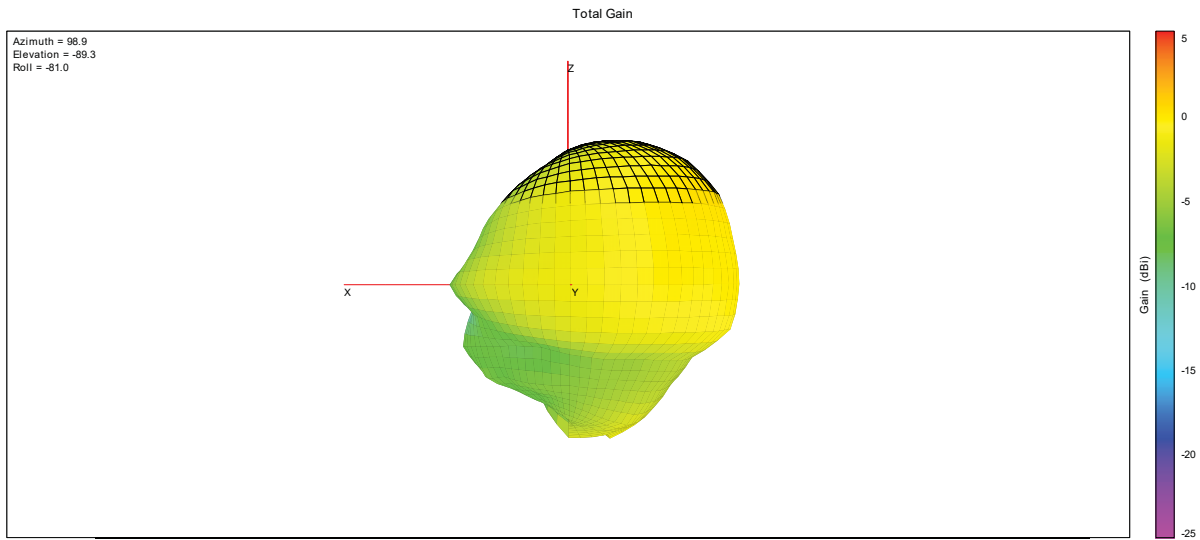
2. 3D Radiation Pattern



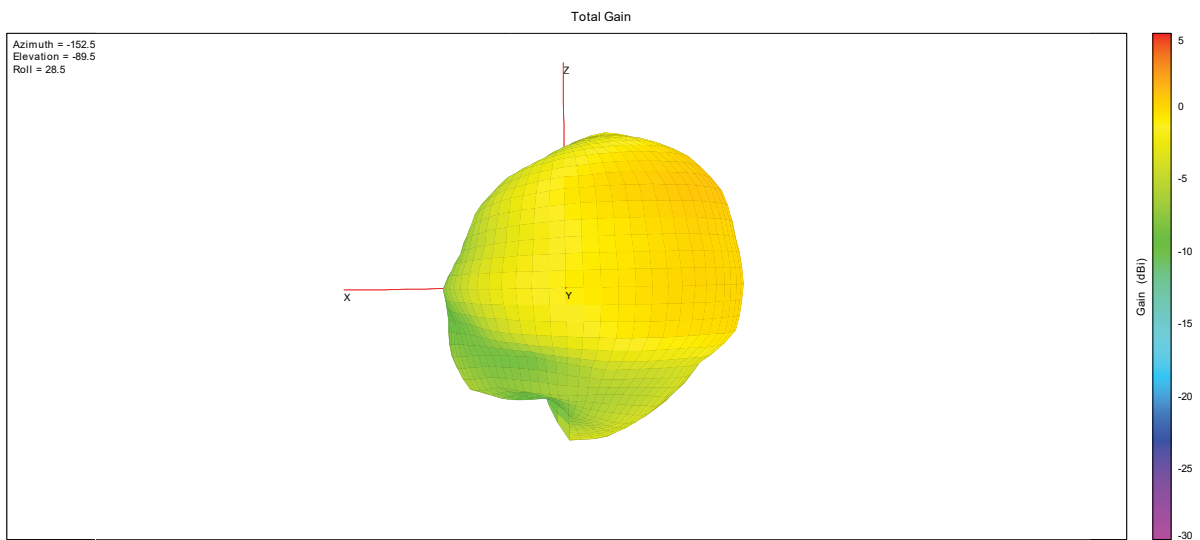
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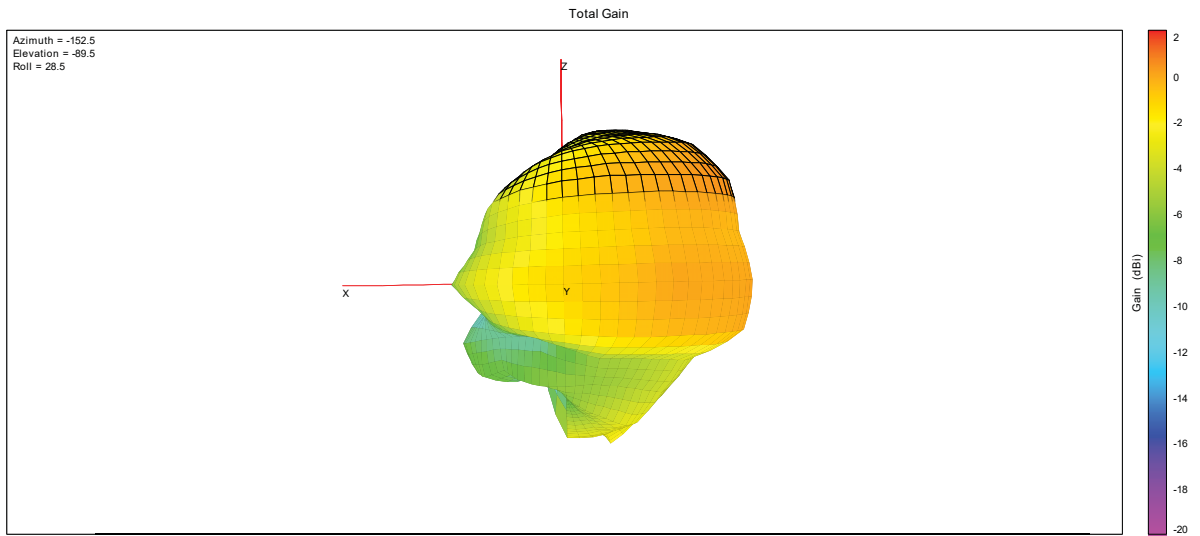
2440MHz_1#



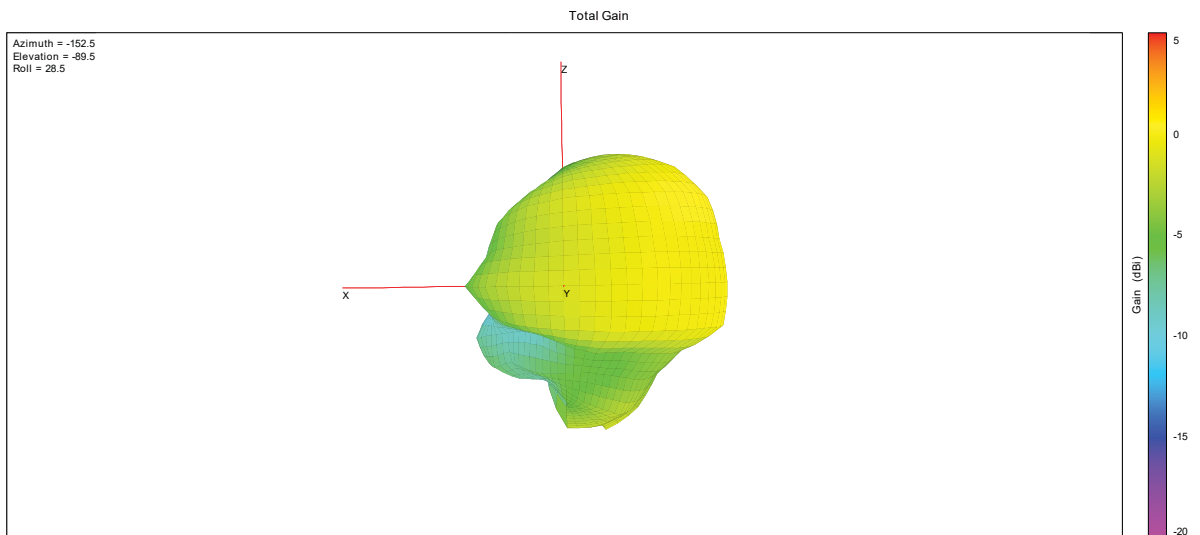
2480MHz_1#



2402MHz_2#



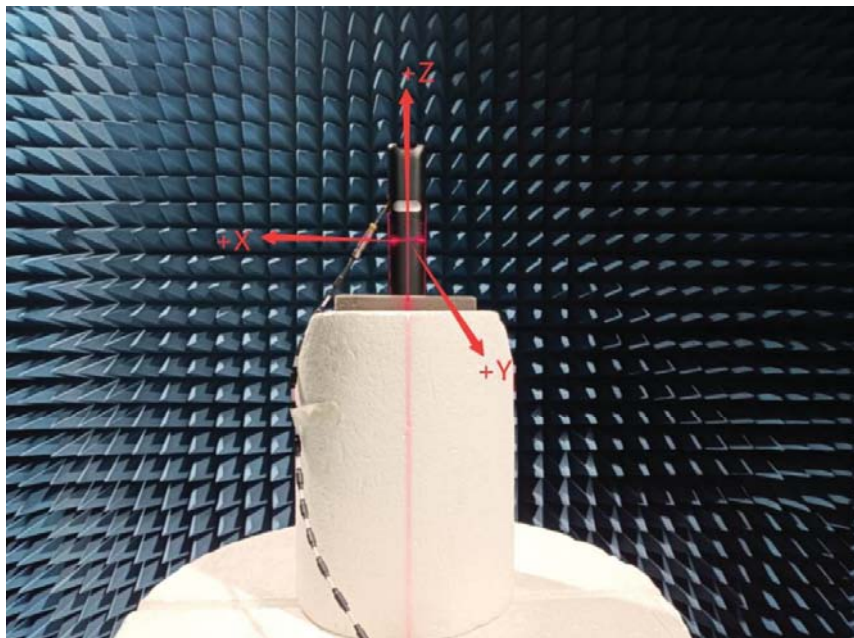
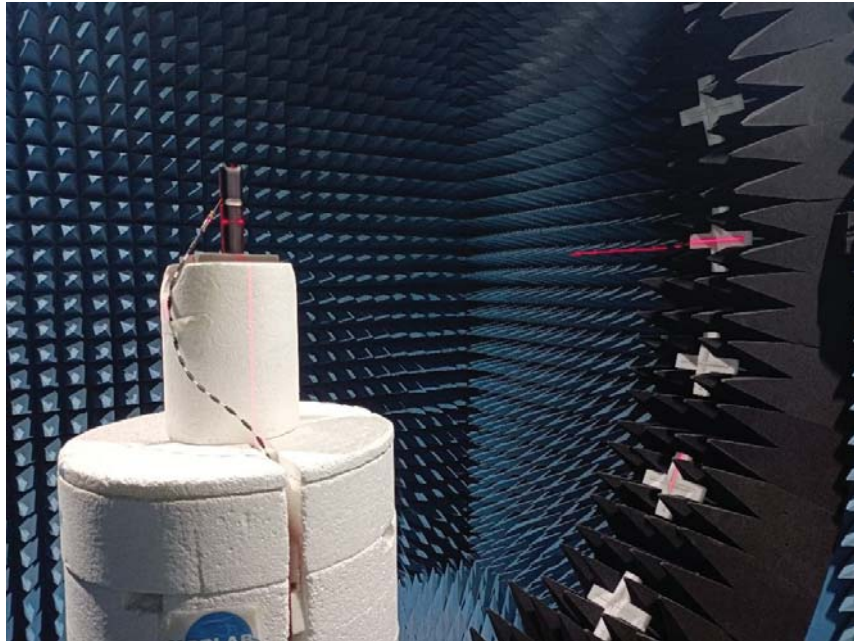
2440MHz_2#



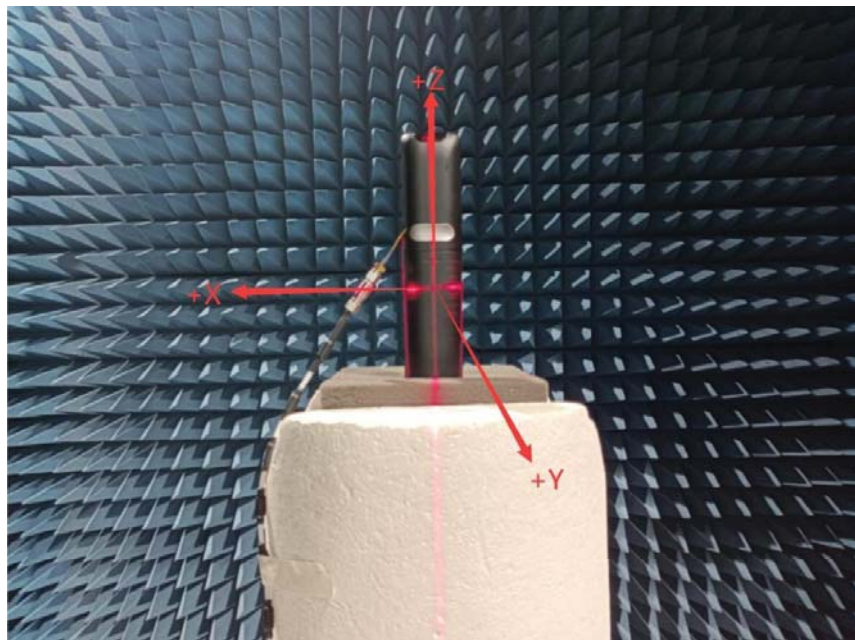
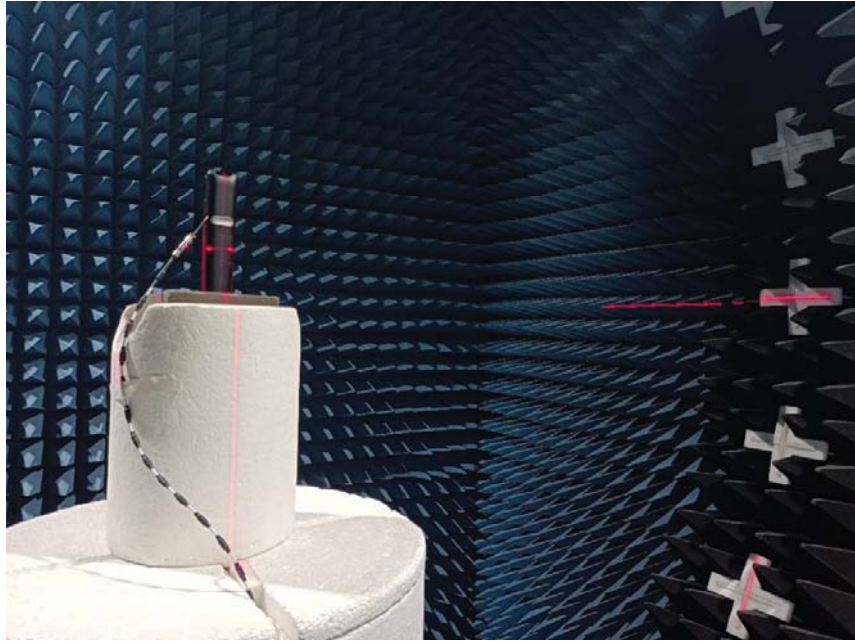
2480MHz_2#

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. | Equipement 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 —————