



**FCC 47 CFR Part 15 Subpart B**

**TEST REPORT**

*For*

**Vera 13in FM 120V**

**MODEL NUMBER: CML13-604, 13FM-VA-XXXXXX (The suffix “XXXXXX” can be A to Z and/or 0 to 9 and/or blank denotes commercial code.)**

**REPORT NUMBER: E04A23120918F00301**

**ISSUE DATE: January 15, 2024**

**FCC ID: 2AUHG-13FM-VA**

*Prepared for*

**ARTIKA FOR LIVING INC  
1756 50th avenue, Lachine, Quebec, Canada**

*Prepared by*

**Guangdong Global Testing Technology Co., Ltd.**

**Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park,  
Dongguan city, Guangdong, People’s Republic of China, 523808**

**This report is based on a single evaluation of the submitted sample(s) of the above mentioned Product, it does not imply an assessment of the production of the products.**

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Revision History

| <u>Rev.</u> | <u>Issue Date</u>       | <u>Revisions</u>     | <u>Revised By</u> |
|-------------|-------------------------|----------------------|-------------------|
| <u>V0</u>   | <u>January 15, 2024</u> | <u>Initial Issue</u> | <u>Joson</u>      |

### Summary of Test Results

| Emission                     |                               |                 |        |
|------------------------------|-------------------------------|-----------------|--------|
| Standard                     | Test Item                     | Limit           | Result |
| FCC 47 CFR Part 15 Subpart B | Conducted emissions           | FCC Part 15.107 | Pass   |
|                              | Radiated emissions below 1GHz | FCC Part 15.109 | Pass   |

\*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

\*The measurement result for the sample received is <Pass> according to <FCC 47 CFR Part 15 Subpart B> when <Accuracy Method> decision rule is applied.

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# 1. ATTESTATION OF TEST RESULTS

## Applicant Information

Company Name: ARTIKA FOR LIVING INC  
Address: 1756 50th avenue, Lachine, Quebec, Canada

## Manufacturer Information

Company Name: Foshan Topday Optoelectronics Technology Co.,Ltd.  
Address: Huansheng Road,Guicheng Eastern industrial Zone BSanshan Nanhai DistrictFoshanChina

## EUT Information

Product Description: Vera 13in FM 120V  
Model: 13FM-VA-BL  
Series Model: CML13-604, 13FM-VA-XXXXXX (The suffix "XXXXXX" can be A to Z and/or 0 to 9 and/or blank denotes commercial code.)  
Brand: Artika  
Sample Received Date: December 23, 2023  
Sample Status: Normal  
Sample ID: A23120918 001  
Date of Tested: December 28, 2023 to January 4, 2024

| APPLICABLE STANDARDS         |              |
|------------------------------|--------------|
| STANDARD                     | TEST RESULTS |
| FCC 47 CFR Part 15 Subpart B | Pass         |

Prepared By:



Joson Peng  
Project Engineer

Checked By:



Alan He  
Laboratory Leader

Approved By:



Shawn Wen  
Laboratory Manager



## 2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC 47 CFR Part 15 Subpart B

## 3. FACILITIES AND ACCREDITATION

|                           |  |
|---------------------------|--|
| Accreditation Certificate | <p><b>A2LA (Certificate No.: 6947.01)</b><br/>Guangdong Global Testing Technology Co., Ltd.<br/>has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1343)</b><br/>Guangdong Global Testing Technology Co., Ltd.<br/>has been recognized to perform compliance testing on equipment<br/>subject to Supplier's Declaration of Conformity (SDoC) and<br/>Certification rules</p> <p><b>ISED (Company No.: 30714)</b><br/>Guangdong Global Testing Technology Co., Ltd.<br/>has been registered and fully described in a report filed with ISED.<br/>The Company Number is 30714 and the test lab Conformity<br/>Assessment Body Identifier (CABID) is CN0148.</p> |
|---------------------------|--|

Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

### 4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Item                     | Measurement Frequency Range | K | U(dB) |
|-------------------------------|-----------------------------|---|-------|
| Conducted emissions           | 0.009 MHz - 30 MHz          | 2 | 3.37  |
| Radiated emissions below 1GHz | 30 MHz -1 GHz               | 2 | 3.79  |

Note1: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

|                    |   |             |
|--------------------|---|-------------|
| EUT Name           | Vera 13in FM 120V   |             |
| Model              | 13FM-VA-BL  |             |
| Series Model       | CML13-604, 13FM-VA-XXXXXX (The suffix "XXXXXX" can be A to Z and/or 0 to 9 and/or blank denotes commercial code.) |             |
| EUT Classification | Class B   |             |
| Ratings            | 120Vac 60Hz   |             |
| Power Supply       | AC  | 120Vac 60Hz |

### 5.2. TEST MODE

| Test Mode | Description |
|-----------|-------------|
| M01       | Lighting    |

### 5.3. SUPPORT UNITS FOR SYSTEM TEST

The EUT has been tested as an independent unit



## 6. MEASURING EQUIPMENT AND SOFTWARE USED

| Test Equipment of Conducted emissions |              |                        |            |            |            |
|---------------------------------------|--------------|------------------------|------------|------------|------------|
| Equipment                             | Manufacturer | Model No.              | Serial No. | Last Cal.  | Due Date   |
| Shielding Room<br>1                   | CHENG YU     | 8*5*4                  | N/A        | 2022/10/29 | 2025/10/28 |
| LISN                                  | R&S          | ENV216                 | 102843     | 2023/9/18  | 2024/9/17  |
| EMI Test Receiver                     | R&S          | ESR3                   | 102647     | 2023/9/18  | 2024/9/17  |
| LISN                                  | Schwarzbeck  | NNLK 8129<br>RC        | 5046       | 2023/9/18  | 2024/9/17  |
| 8-Wire ISN CAT6                       | Schwarzbeck  | NTFM 8158              | #237       | 2023/9/18  | 2024/9/17  |
| CURRENT PROBE                         | R&S          | EZ-17                  | 101602     | 2023/9/18  | 2024/9/17  |
| EZ-EMC                                | Farad        | Ver/EMC-<br>con-3A1 1+ | N/A        | N/A        | N/A        |

| Test Equipment of Radiated emissions below 1GHz |              |                    |            |            |           |
|---|--------------|--------------------|------------|------------|-----------|
| Equipment                                       | Manufacturer | Model No.          | Serial No. | Last Cal.  | Due Date  |
| Chamber   | ETS          | 9*6*6              | Q2146      | 2022/8/30  | 2025/8/29 |
| Receiver  | R&S          | ESCI3              | 101409     | 2023/9/18  | 2024/9/17 |
| Loop Antenna                                    | ETS          | 6502               | 243668     | 2022/3/30  | 2025/3/30 |
| Pre-Amplifier                                   | HzEMC        | HPA-9K0130         | HYP A21001 | 2023/9/18  | 2024/9/17 |
| Biconilog Antenna                               | Schwarzbeck  | VULB 9168          | 1315       | 2022/10/10 | 2025/10/9 |
| Biconilog Antenna                               | ETS          | 3142E              | 243646     | 2022/3/23  | 2025/3/22 |
| EZ-EMC  | Farad        | Ver/FA-03A2<br>RE+ | N/A        | N/A        | N/A       |

## 7. EMISSION TEST

### 7.1. CONDUCTED EMISSIONS

#### LIMITS

| CFR 47 FCC Part15 Subpart B |                      |         |                      |          |
|-----------------------------|----------------------|---------|----------------------|----------|
| FREQUENCY<br>(MHz)          | Class A (dB $\mu$ V) |         | Class B (dB $\mu$ V) |          |
|                             | Quasi-peak           | Average | Quasi-peak           | Average  |
| 0.15 -0.5                   | 79.00                | 66.00   | 66 - 56 *            | 56 - 46* |
| 0.50 -5.0                   | 73.00                | 60.00   | 56.00                | 46.00    |
| 5.0 -30.0                   | 73.00                | 60.00   | 60.00                | 50.00    |

Note:

(1) The tighter limit applies at the band edges.

- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

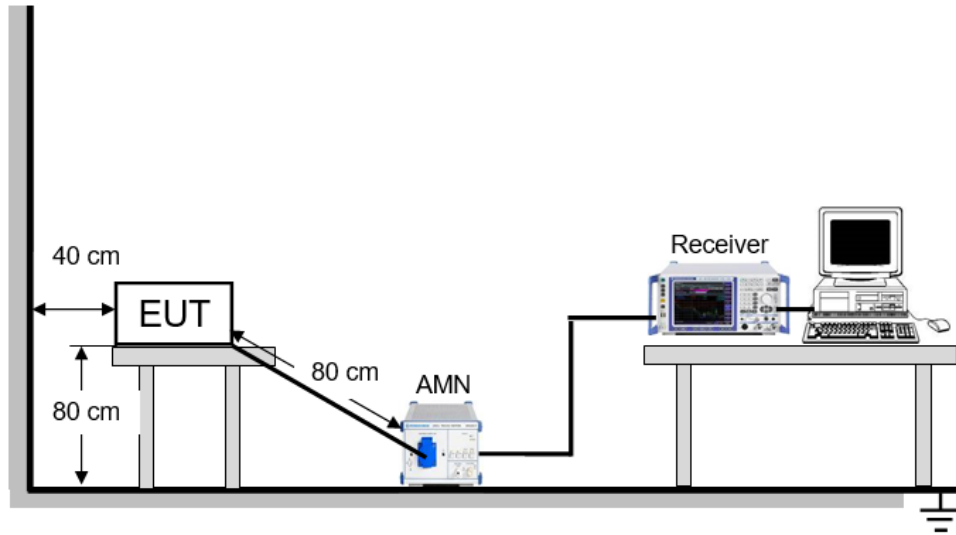
The following table is the setting of the receiver

| Receiver Parameters | Setting  |
|---------------------|----------|
| Attenuation         | 10 dB    |
| Start Frequency     | 0.15 MHz |
| Stop Frequency      | 30 MHz   |
| IF Bandwidth        | 9 kHz    |

## **TEST PROCEDURE**

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was placed on the top of a rotating table 0.8 meters above the horizontal ground plane and being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
3. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
4. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
5. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

**TEST SETUP**



**TEST ENVIRONMENT**

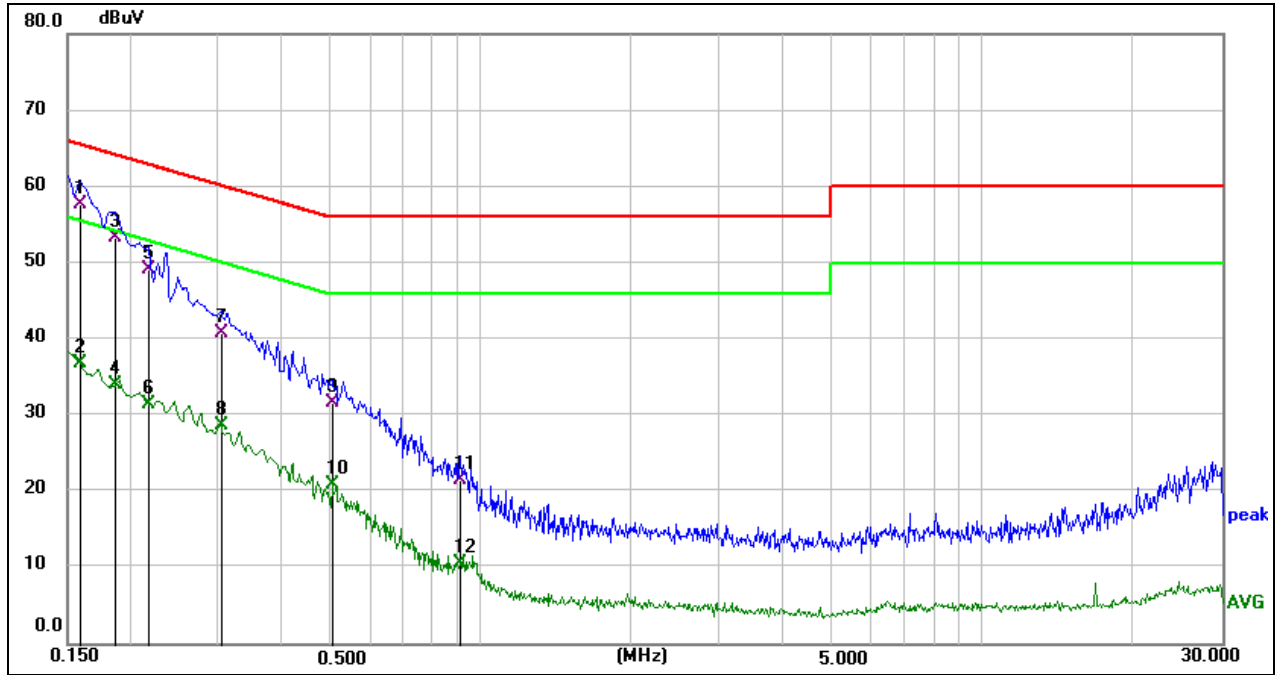
|                     |          |                   |       |
|---------------------|----------|-------------------|-------|
| Temperature         | 21.8°C   | Relative Humidity | 53.0% |
| Atmosphere Pressure | 101.5kPa |                   |       |

**TEST MODE**

|                  |           |
|------------------|-----------|
| Pre-test Mode:   | M01 ~ M01 |
| Final Test Mode: | M01       |

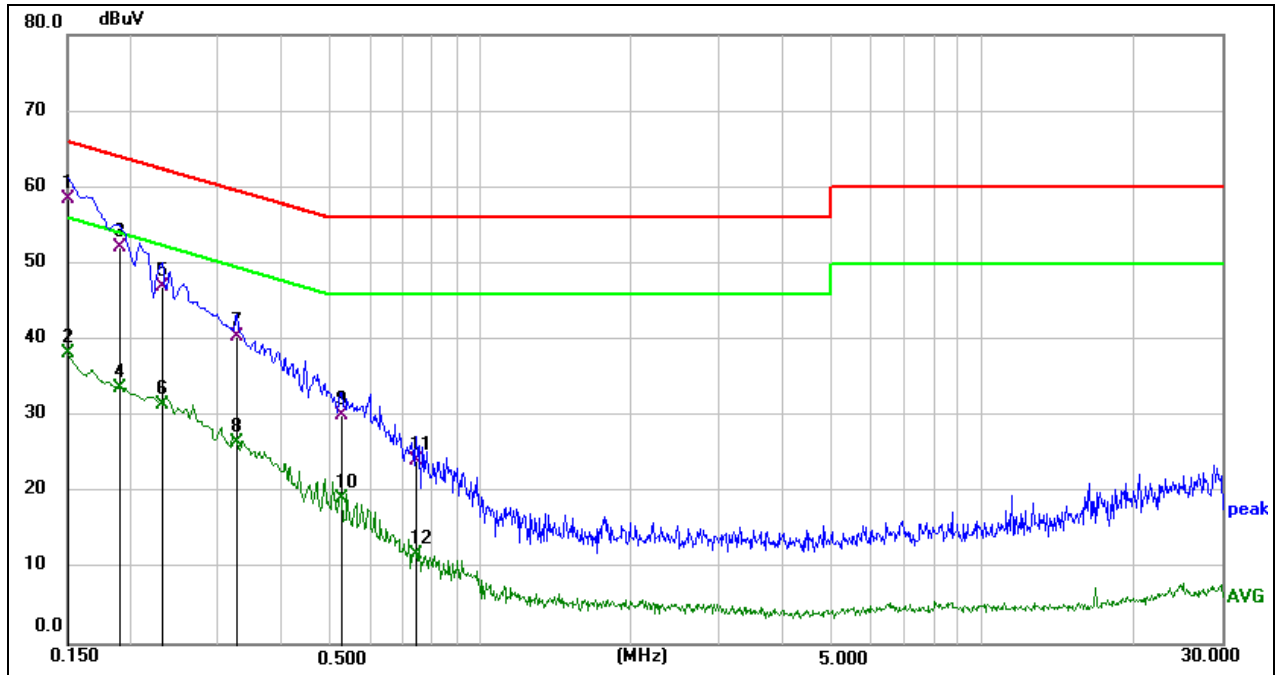
Note: All test modes had been tested, but only the worst data recorded in the report.

**TEST RESULTS**



|           |           |
|-----------|-----------|
| Phase: L1 | Mode: M01 |
|-----------|-----------|

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|--------|
| 1   | 0.1590             | 47.97             | 9.76            | 57.73            | 65.52           | -7.79          | QP     |
| 2   | 0.1590             | 27.11             | 9.76            | 36.87            | 55.52           | -18.65         | AVG    |
| 3   | 0.1874             | 43.52             | 9.81            | 53.33            | 64.15           | -10.82         | QP     |
| 4   | 0.1874             | 24.31             | 9.81            | 34.12            | 54.15           | -20.03         | AVG    |
| 5   | 0.2175             | 39.36             | 9.76            | 49.12            | 62.91           | -13.79         | QP     |
| 6   | 0.2175             | 21.68             | 9.76            | 31.44            | 52.91           | -21.47         | AVG    |
| 7   | 0.3030             | 30.92             | 9.92            | 40.84            | 60.16           | -19.32         | QP     |
| 8   | 0.3030             | 18.76             | 9.92            | 28.68            | 50.16           | -21.48         | AVG    |
| 9   | 0.5055             | 21.77             | 9.93            | 31.70            | 56.00           | -24.30         | QP     |
| 10  | 0.5055             | 11.03             | 9.93            | 20.96            | 46.00           | -25.04         | AVG    |
| 11  | 0.9105             | 11.56             | 9.92            | 21.48            | 56.00           | -34.52         | QP     |
| 12  | 0.9105             | 0.61              | 9.92            | 10.53            | 46.00           | -35.47         | AVG    |



|          |           |
|----------|-----------|
| Phase: N | Mode: M01 |
|----------|-----------|

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|--------|
| 1   | 0.1500             | 48.86             | 9.65            | 58.51            | 66.00           | -7.49          | QP     |
| 2   | 0.1500             | 28.56             | 9.65            | 38.21            | 56.00           | -17.79         | AVG    |
| 3   | 0.1905             | 42.33             | 9.75            | 52.08            | 64.01           | -11.93         | QP     |
| 4   | 0.1905             | 23.97             | 9.75            | 33.72            | 54.01           | -20.29         | AVG    |
| 5   | 0.2310             | 37.21             | 9.82            | 47.03            | 62.41           | -15.38         | QP     |
| 6   | 0.2310             | 21.73             | 9.82            | 31.55            | 52.41           | -20.86         | AVG    |
| 7   | 0.3255             | 30.57             | 9.73            | 40.30            | 59.57           | -19.27         | QP     |
| 8   | 0.3255             | 16.81             | 9.73            | 26.54            | 49.57           | -23.03         | AVG    |
| 9   | 0.5280             | 20.18             | 9.91            | 30.09            | 56.00           | -25.91         | QP     |
| 10  | 0.5280             | 9.20              | 9.91            | 19.11            | 46.00           | -26.89         | AVG    |
| 11  | 0.7440             | 14.36             | 9.85            | 24.21            | 56.00           | -31.79         | QP     |
| 12  | 0.7440             | 1.99              | 9.85            | 11.84            | 46.00           | -34.16         | AVG    |

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)  
 Margin = Result - Limit

## 7.2. RADIATED EMISSIONS BELOW 1GHZ

### LIMITS

Below 1 GHz

| CFR 47 FCC Part 15 Subpart B |                                  |                                  |
|------------------------------|----------------------------------|----------------------------------|
| Frequency (MHz)              | Class A                          | Class B                          |
|                              | Field strength (dBuV/m) (at 3 m) | Field strength (dBuV/m) (at 3 m) |
| 30 - 88                      | 49.5                             | 40                               |
| 88 - 216                     | 53.9                             | 43.5                             |
| 216 - 960                    | 56.9                             | 46                               |
| Above 960                    | 60                               | 54                               |

Test Frequency Range of Radiated Disturbance Measurement

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz)   |
|---|---|
| Below 1.705   | 30  |
| 1.705 - 108   | 1000  |
| 108 - 500   | 2000  |
| 500 - 1000  | 5000  |
| Above 1000  | 5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower |

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart B;
- (2) The tighter limit applies at the band edges;
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m),  
3m Emission level = 10 m Emission level + 20log(10 m/3 m);

### TEST PROCEDURE

Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

|          |             |
|----------|-------------|
| RBW      | 120 kHz     |
| VBW      | 300 kHz     |
| Sweep    | Auto        |
| Detector | Peak and QP |
| Trace    | Max hold    |

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp was used

for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

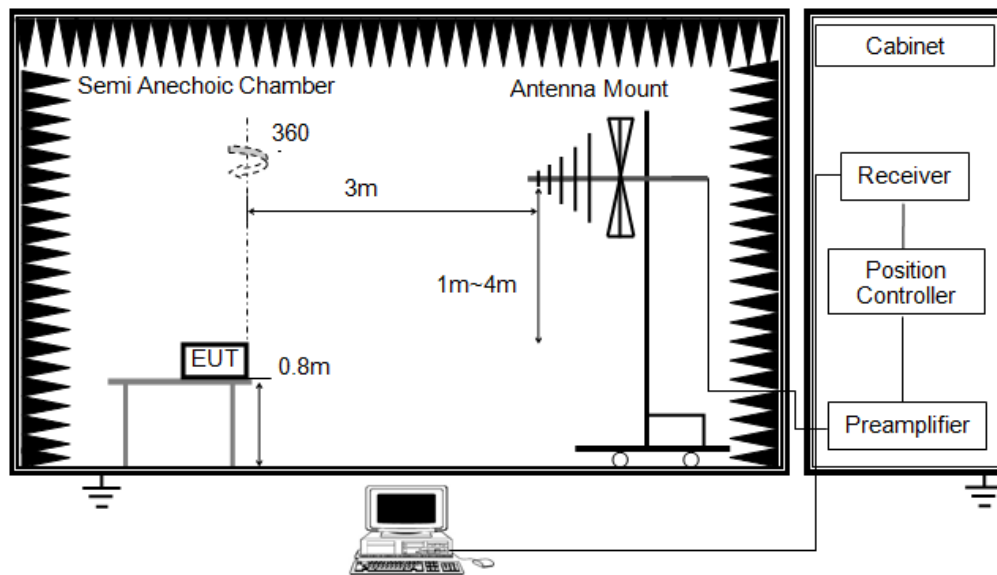
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

6. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.

7. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

8. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

**TEST SETUP**



**TEST ENVIRONMENT**

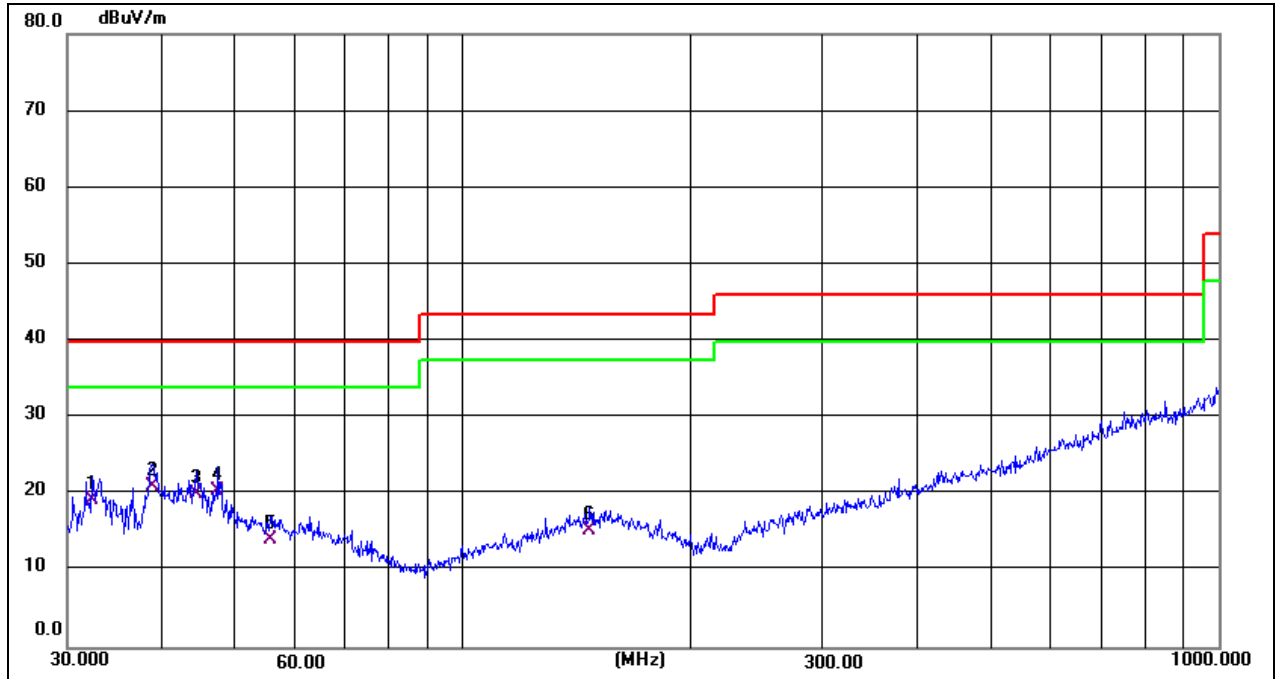
|                     |          |                   |       |
|---------------------|----------|-------------------|-------|
| Temperature         | 23.2°C   | Relative Humidity | 51.0% |
| Atmosphere Pressure | 101.5kPa |                   |       |

**TEST MODE**

|                  |           |
|------------------|-----------|
| Pre-test Mode:   | M01 ~ M01 |
| Final Test Mode: | M01       |

Note: All test modes had been tested, but only the worst data recorded in the report.

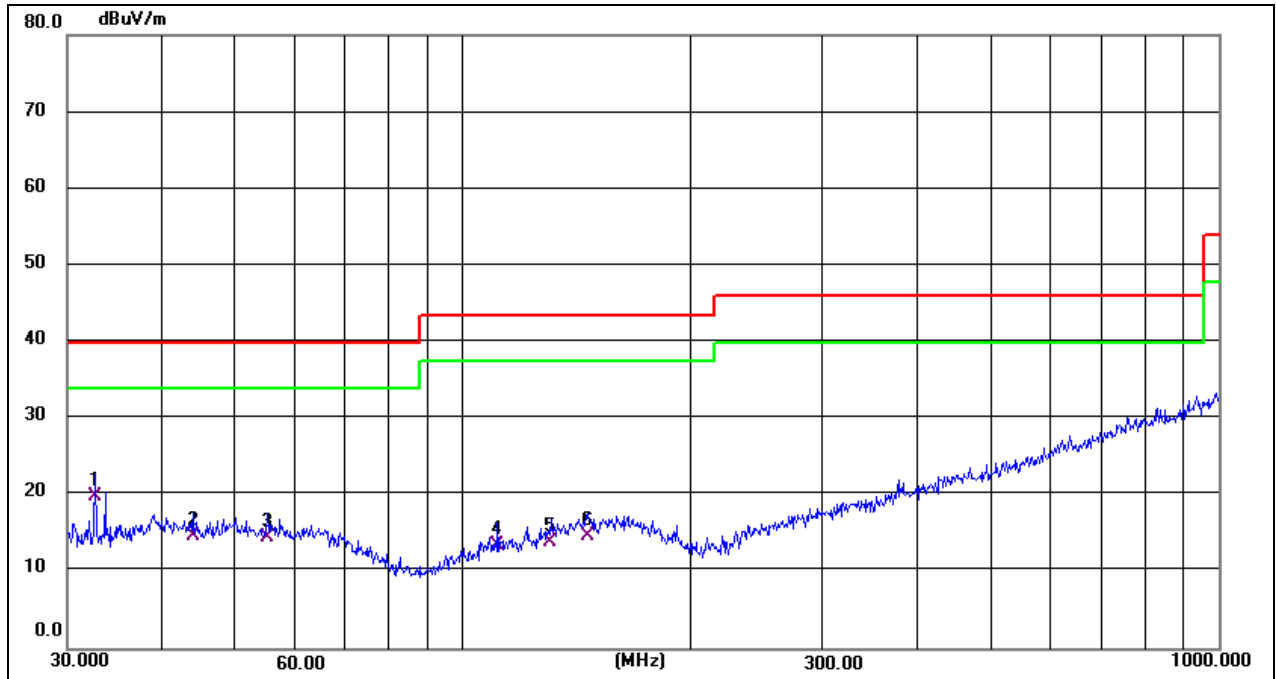
**TEST RESULTS**



|                   |           |
|-------------------|-----------|
| Antenna::Vertical | Mode: M01 |
|-------------------|-----------|

| No . | Frequenc y (MHz) | Reading Level(dBuV ) | Correct Factor(dB/m ) | Measure- ment(dBuV/m ) | Limit (dBuV/m ) | Margi n (dB) | Detecto r | Commen t |
|------|------------------|----------------------|-----------------------|------------------------|-----------------|--------------|-----------|----------|
| 1    | 32.4060          | 31.87                | -12.54                | 19.33                  | 40.00           | -20.67       | QP        |          |
| 2 *  | 38.8878          | 33.49                | -12.37                | 21.12                  | 40.00           | -18.88       | QP        |          |
| 3    | 44.4307          | 32.36                | -12.23                | 20.13                  | 40.00           | -19.87       | QP        |          |
| 4    | 47.4917          | 32.70                | -12.12                | 20.58                  | 40.00           | -19.42       | QP        |          |
| 5    | 55.6093          | 26.42                | -12.30                | 14.12                  | 40.00           | -25.88       | QP        |          |
| 6    | 147.4036         | 27.23                | -11.87                | 15.36                  | 43.50           | -28.14       | QP        |          |





|                     |           |
|---------------------|-----------|
| Antenna::Horizontal | Mode: M01 |
|---------------------|-----------|

| No . | Frequenc y (MHz) | Reading Level(dBuV ) | Correct Factor(dB/m ) | Measure- ment(dBuV/m ) | Limit (dBuV/m ) | Margi n (dB) | Detecto r | Commen t |
|------|------------------|----------------------|-----------------------|------------------------|-----------------|--------------|-----------|----------|
| 1 *  | 32.6340          | 32.46                | -12.53                | 19.93                  | 40.00           | -20.07       | QP        |          |
| 2    | 43.9658          | 26.99                | -12.27                | 14.72                  | 40.00           | -25.28       | QP        |          |
| 3    | 55.2207          | 26.90                | -12.30                | 14.60                  | 40.00           | -25.40       | QP        |          |
| 4    | 111.3468         | 28.47                | -14.98                | 13.49                  | 43.50           | -30.01       | QP        |          |
| 5    | 130.8369         | 27.22                | -13.34                | 13.88                  | 43.50           | -29.62       | QP        |          |
| 6    | 146.3734         | 26.66                | -11.89                | 14.77                  | 43.50           | -28.73       | QP        |          |

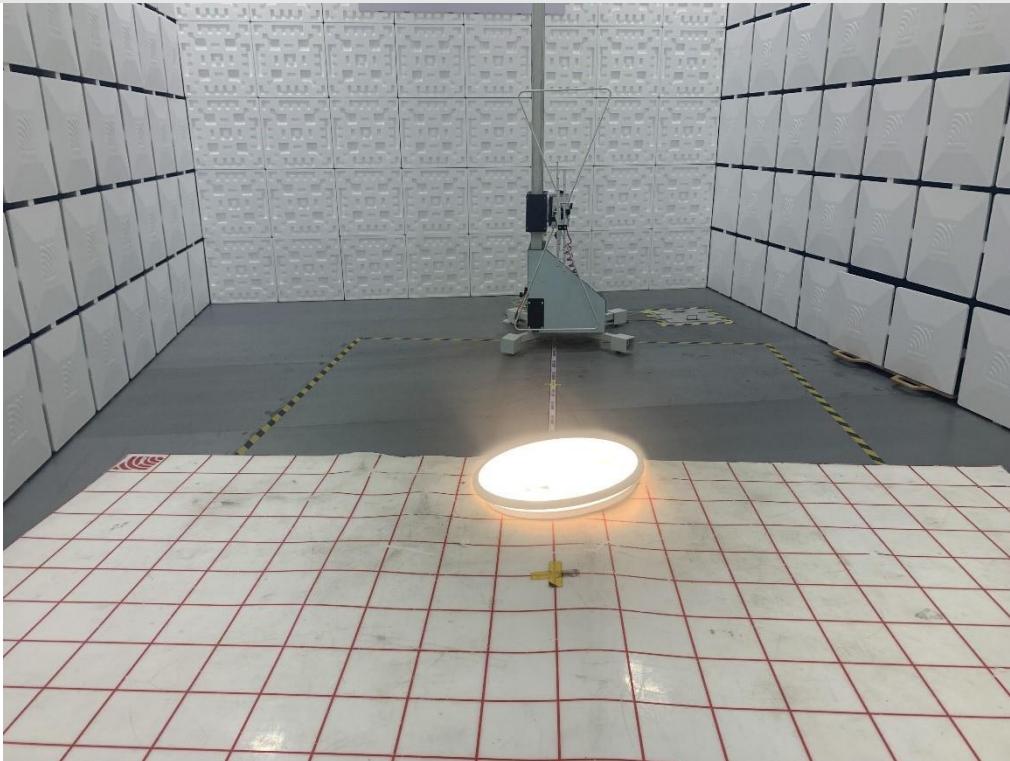
Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
 2. Margin = Result - Limit

## APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

Conducted emissions

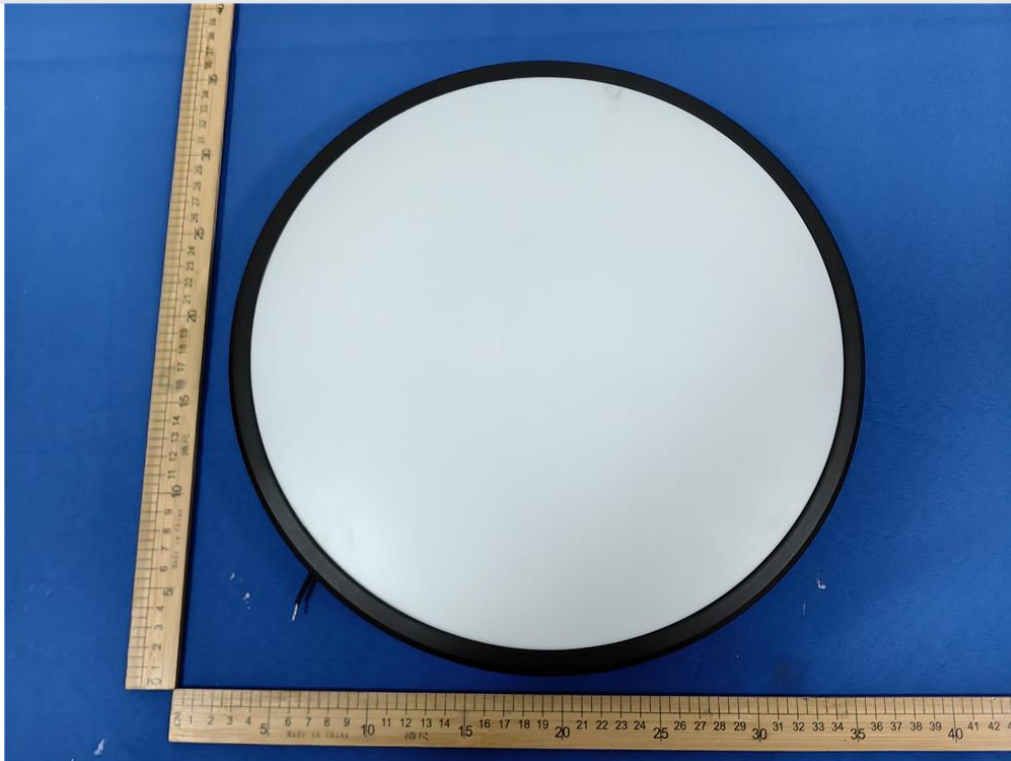


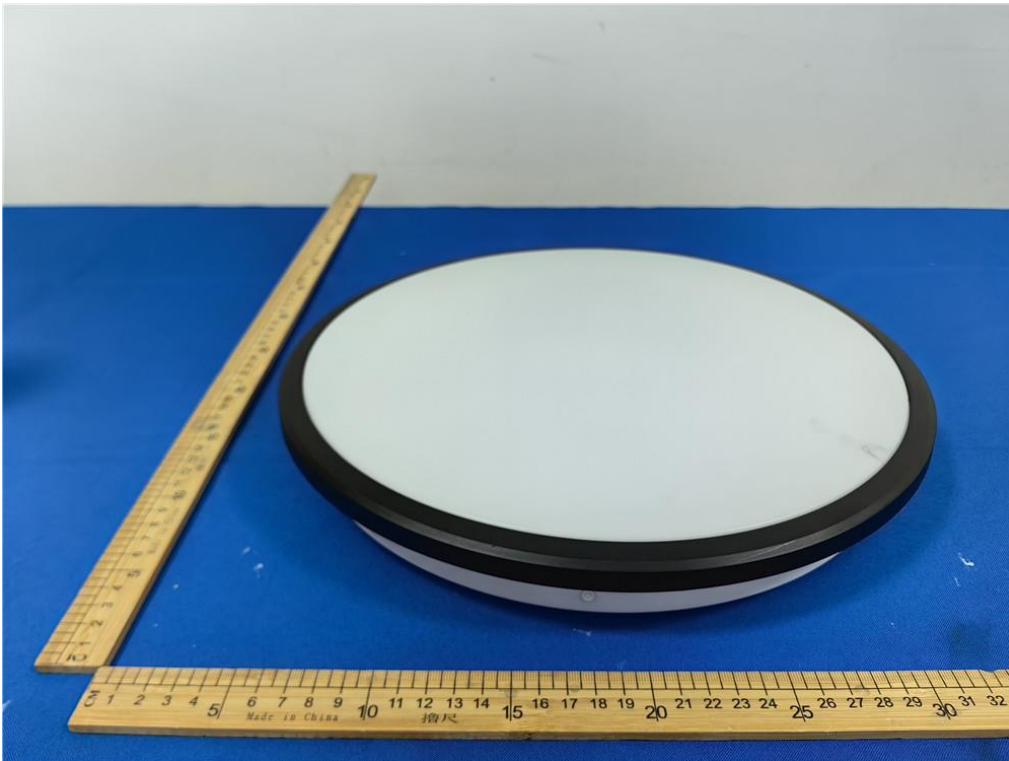
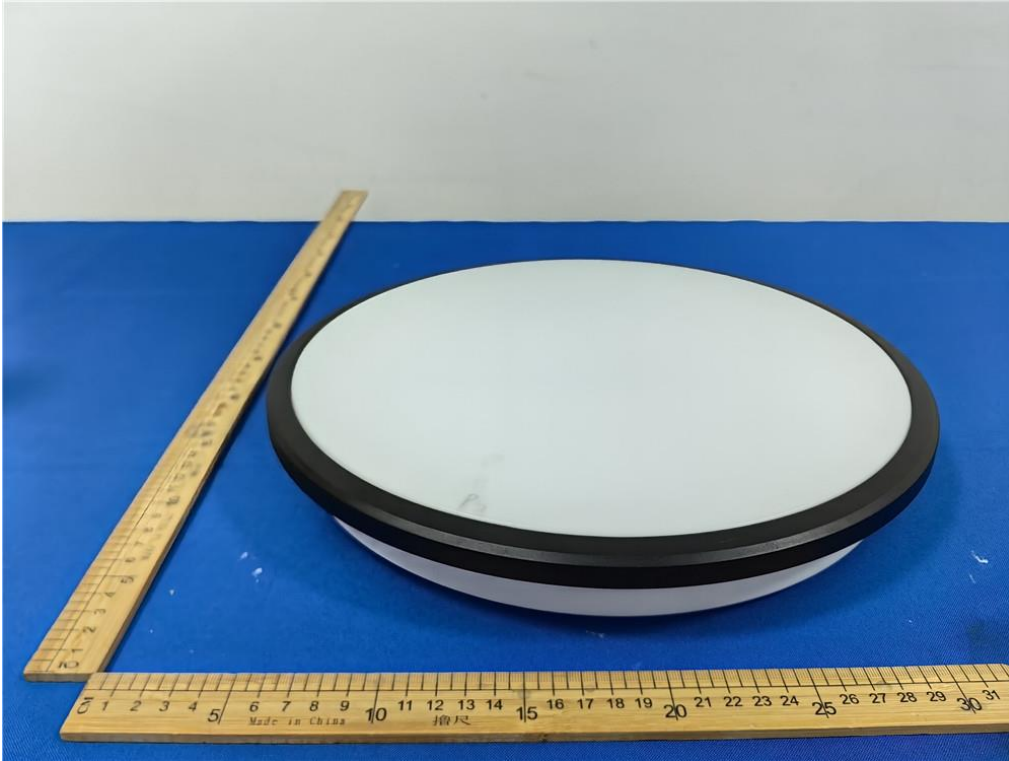
Radiated emissions below 1GHz



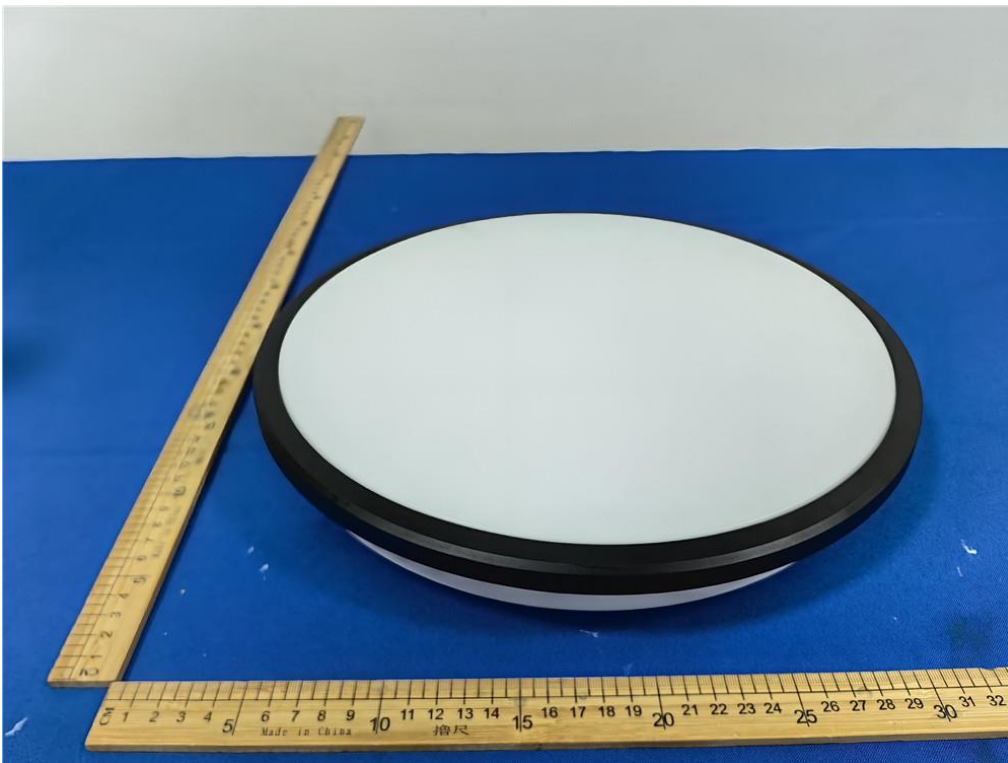
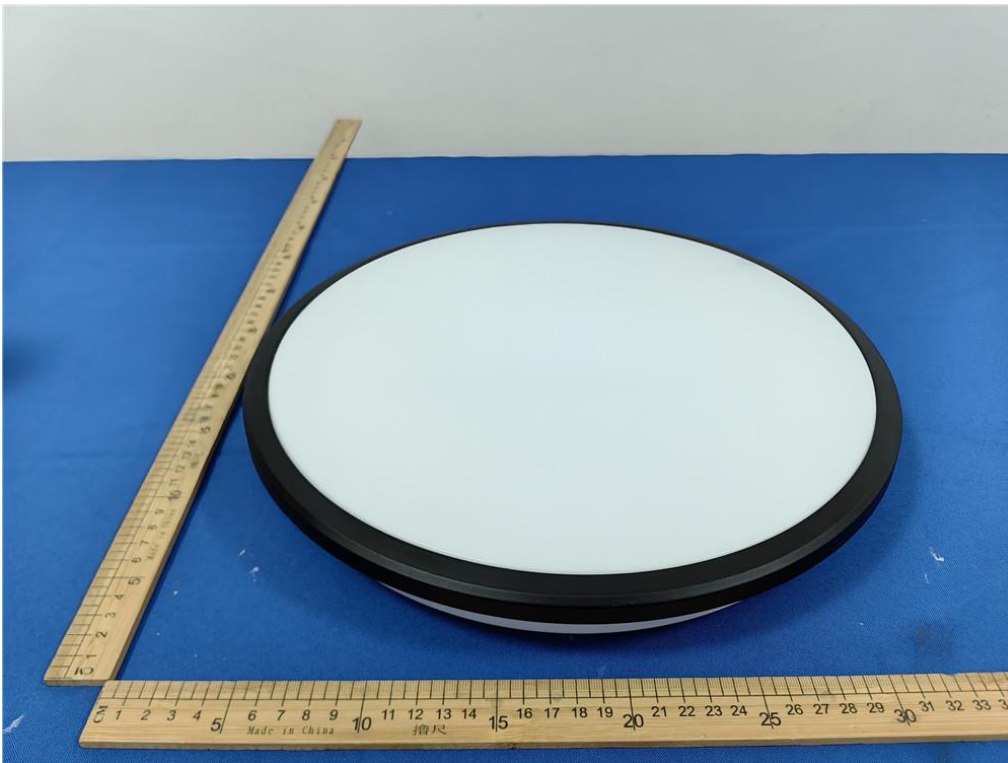
## APPENDIX: PHOTOGRAPHS OF THE EUT

External

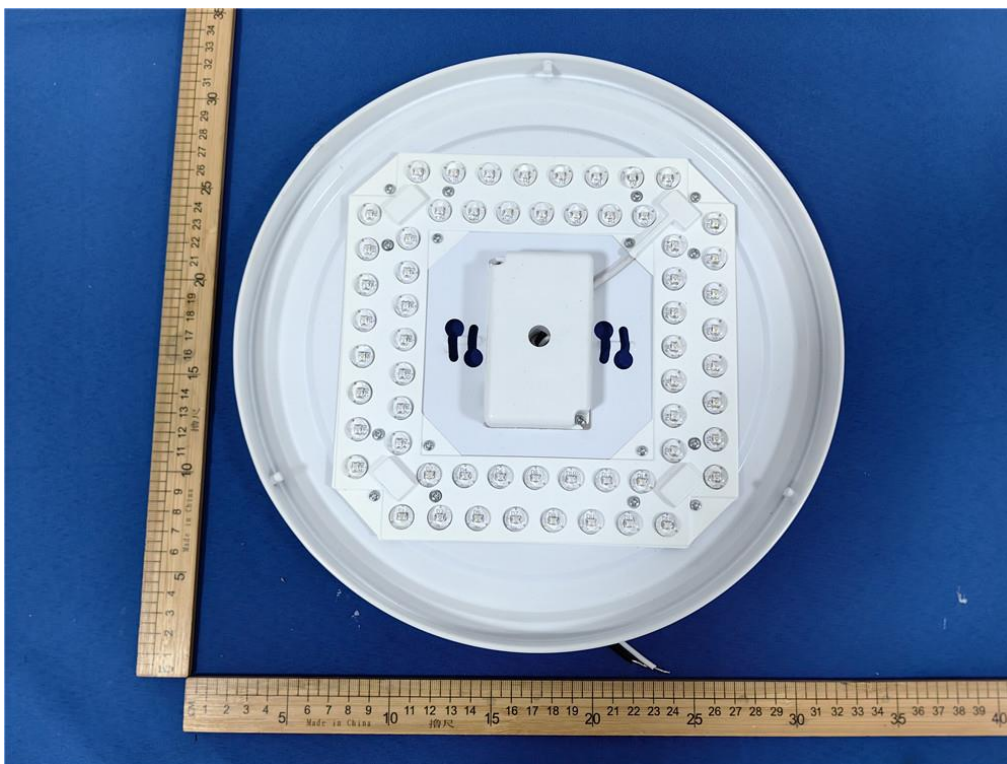


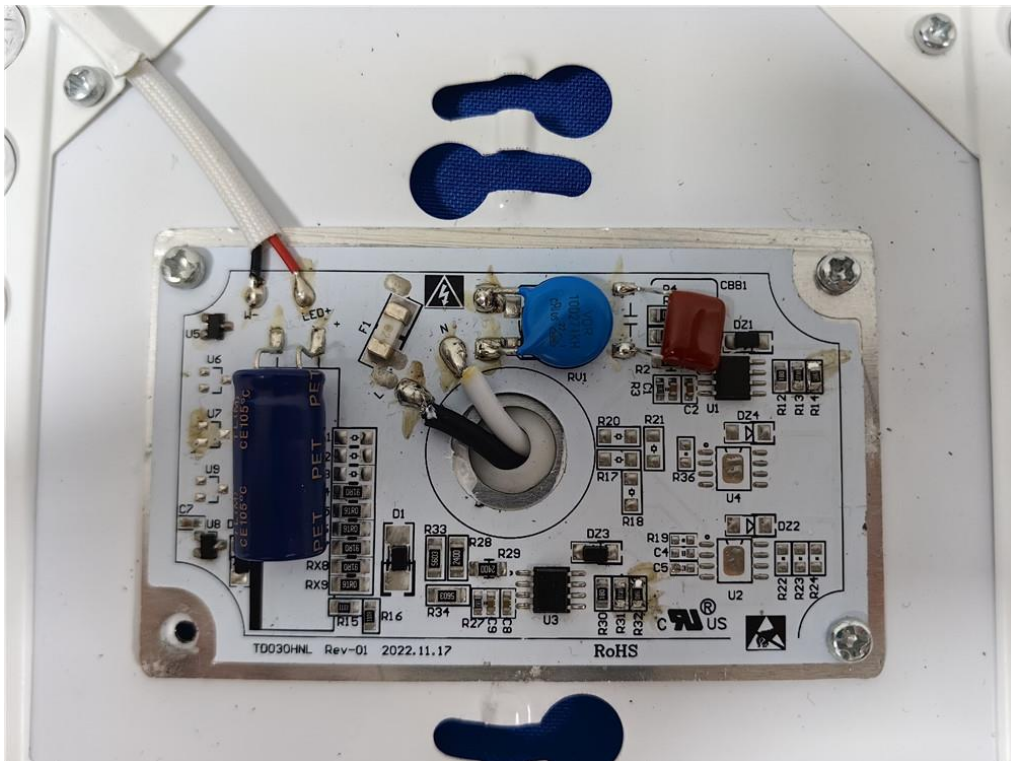
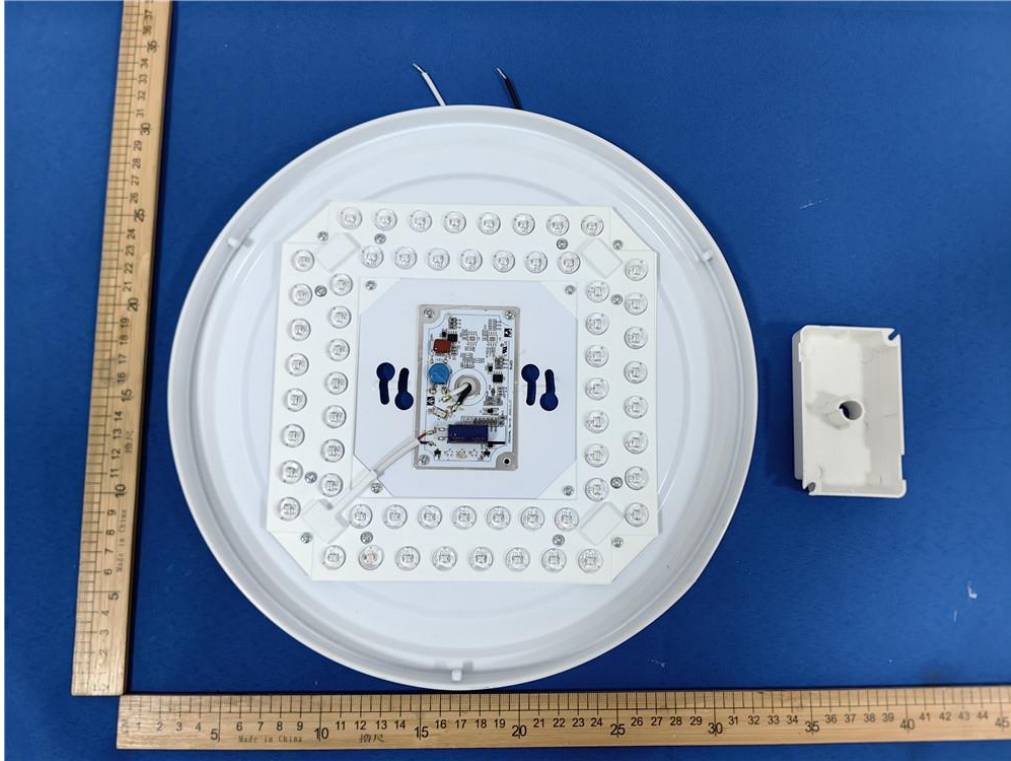




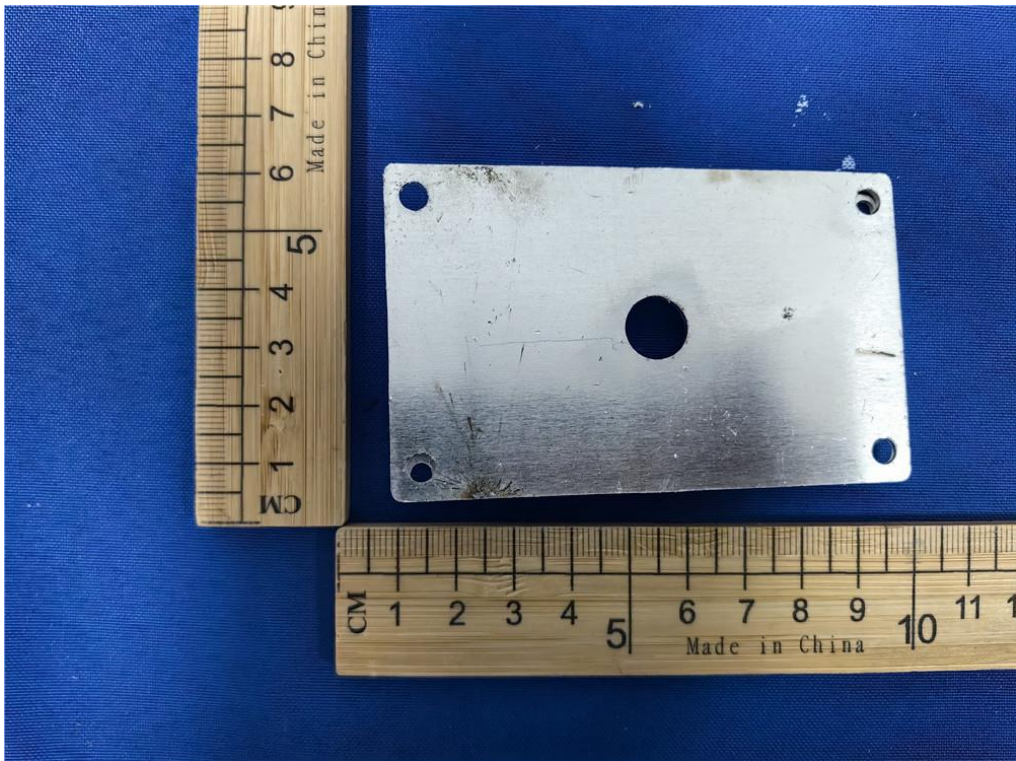
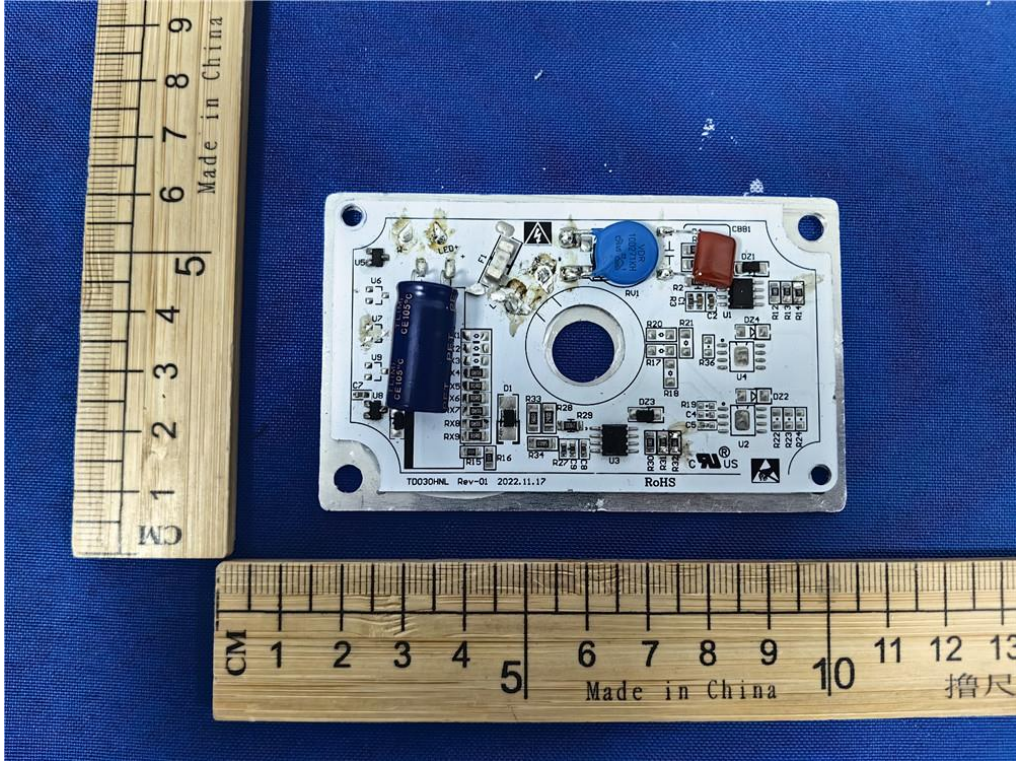


Internal













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**END OF REPORT**