



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

Rev.	Issue Date	Revisions	Revised By
V0	January 15, 2024	Initial Issue	Joson

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 B Sanshan
Nanhai District Foshan China

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	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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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 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 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-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	ESC13	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 RE+	N/A	N/A	N/A

7. EMISSION TEST

7.1. CONDUCTED EMISSIONS

LIMITS

CFR 47 FCC Part15 Subpart B				
FREQUENCY (MHz)	Class A (dBμV)		Class B (dBμV)	
	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.

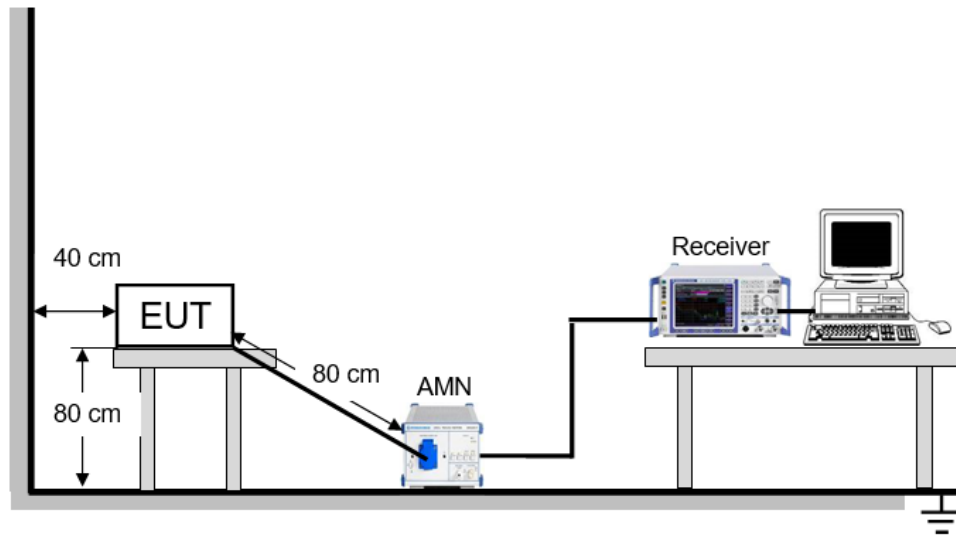
The following table is the setting of the receiver

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



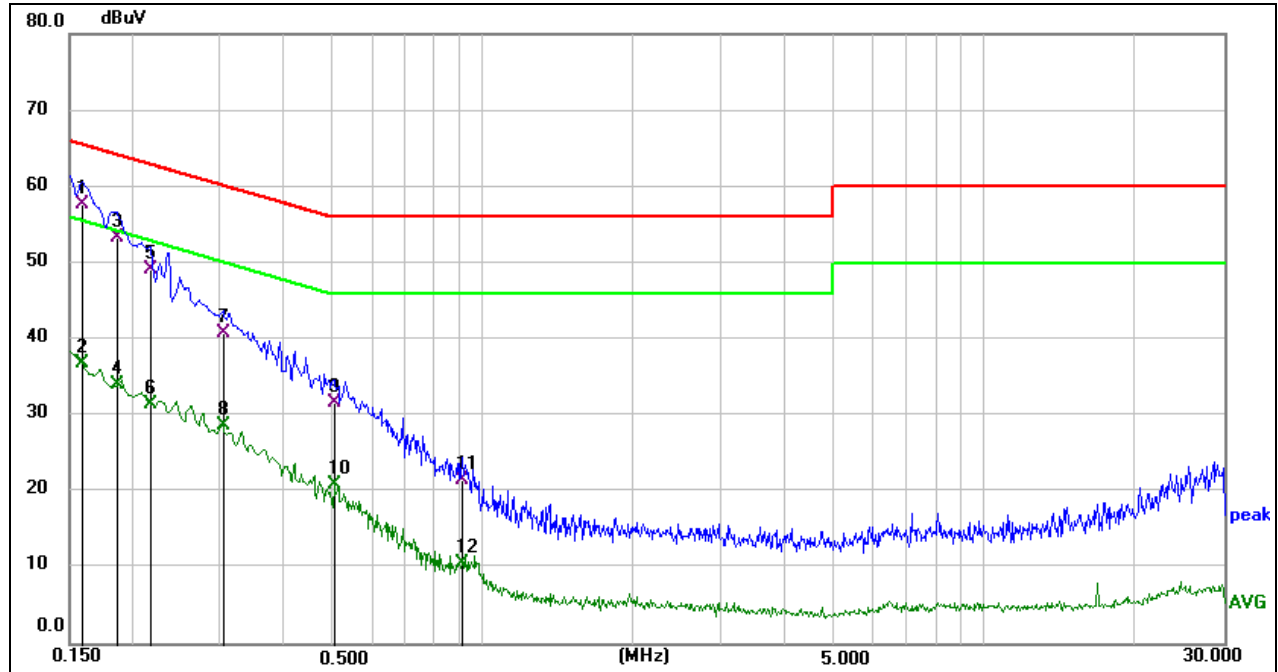
TEST ENVIRONMENT

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

TEST MODE

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

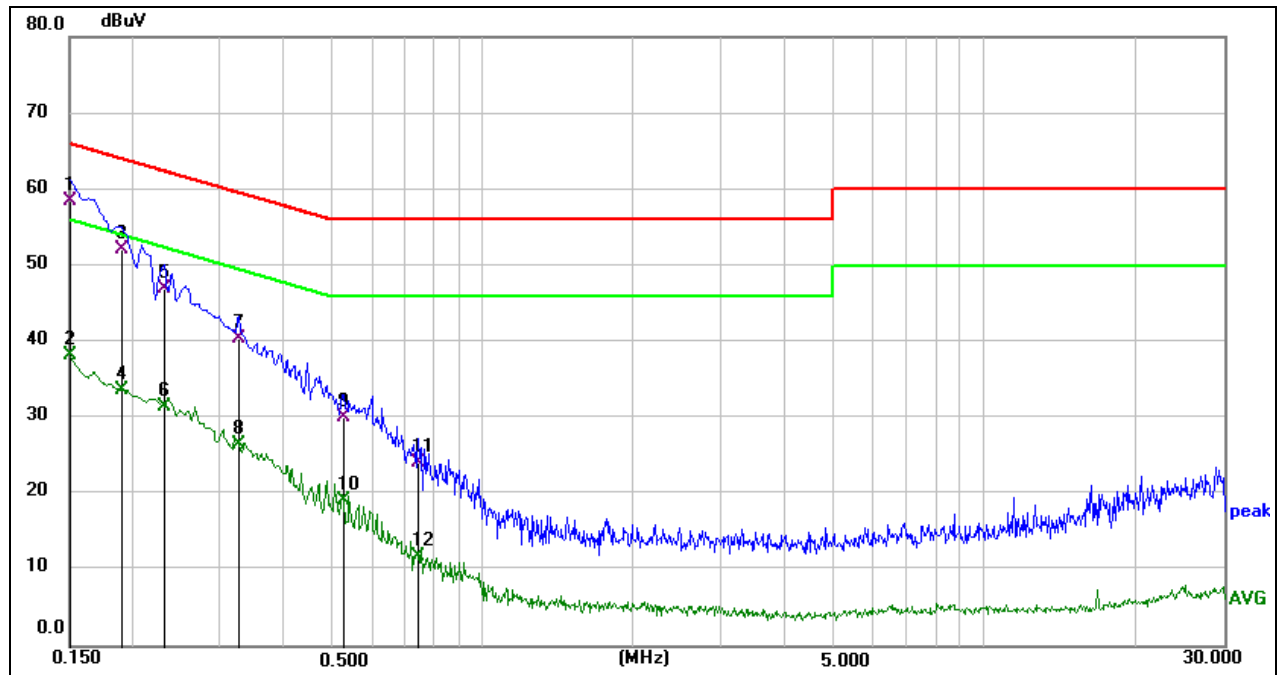
Note: All test modes had been tested, but only the worst data recorded in the report.

TEST RESULTS

Phase: L1

Mode: M01

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (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 (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (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 th 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.

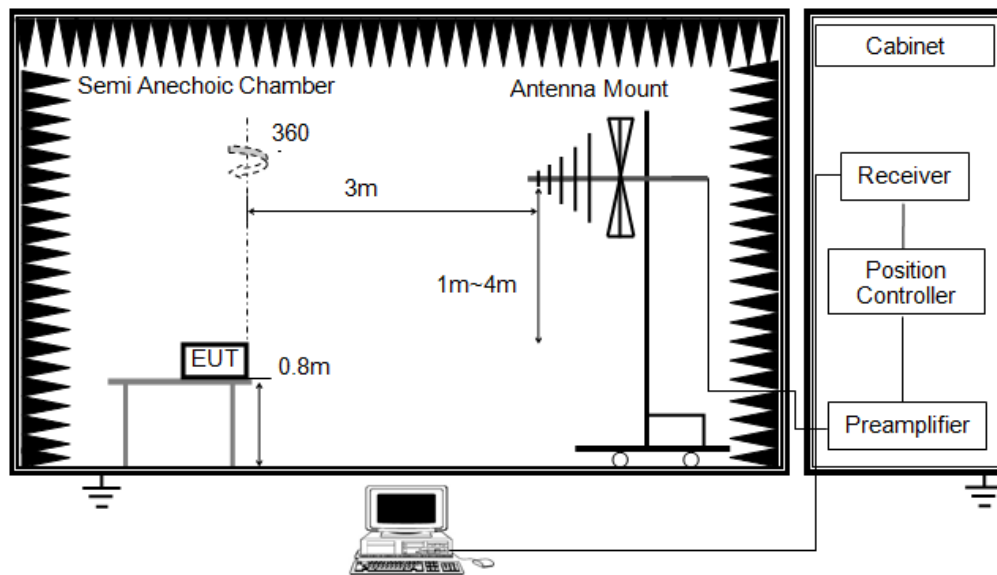
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

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



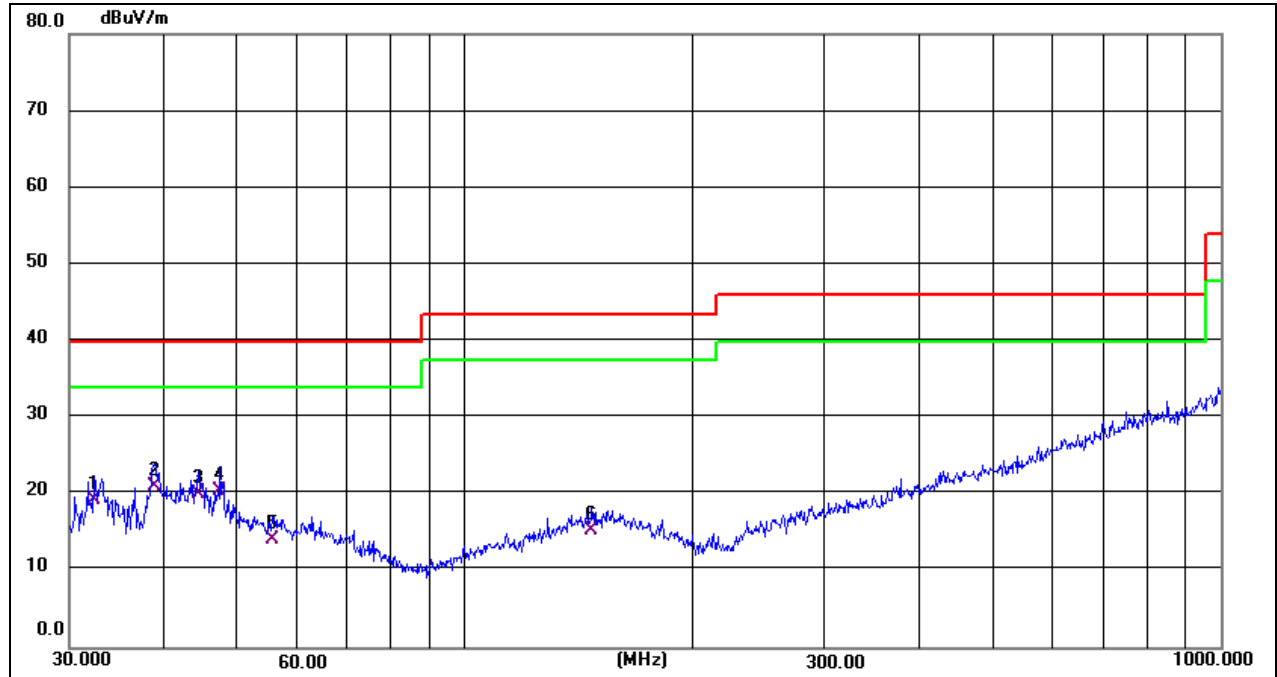
TEST ENVIRONMENT

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

TEST MODE

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

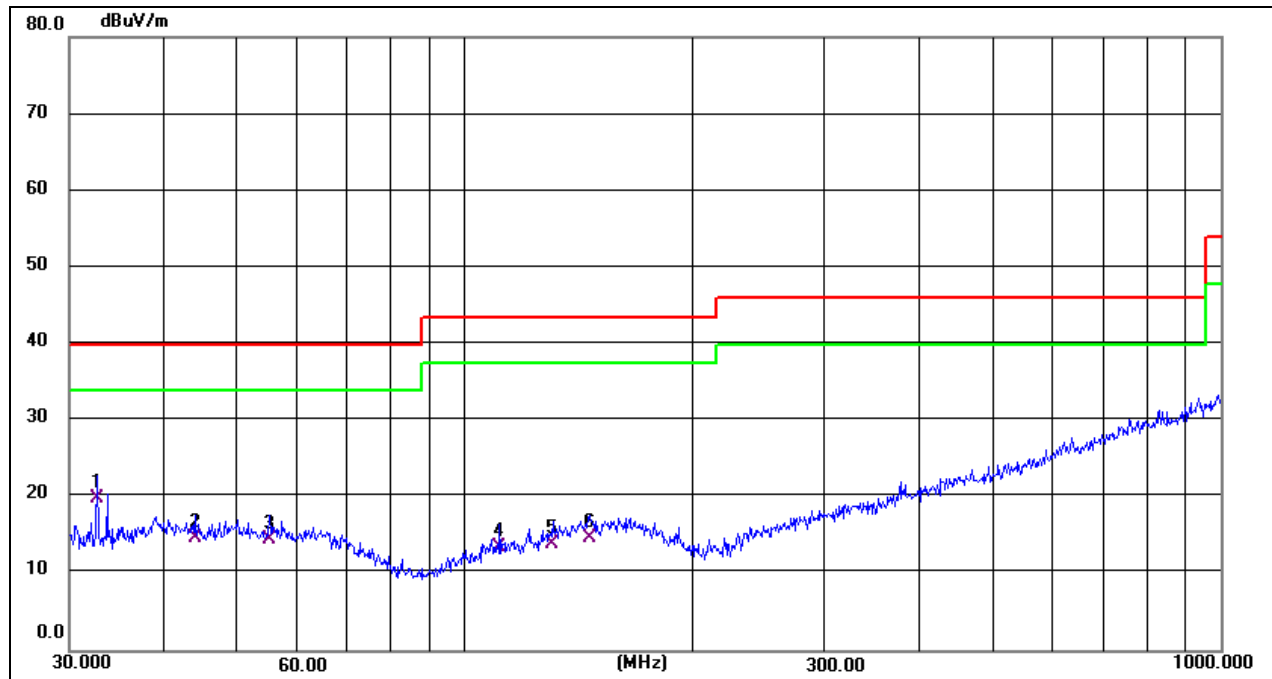
Note: All test modes had been tested, but only the worst data recorded in the report.

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)

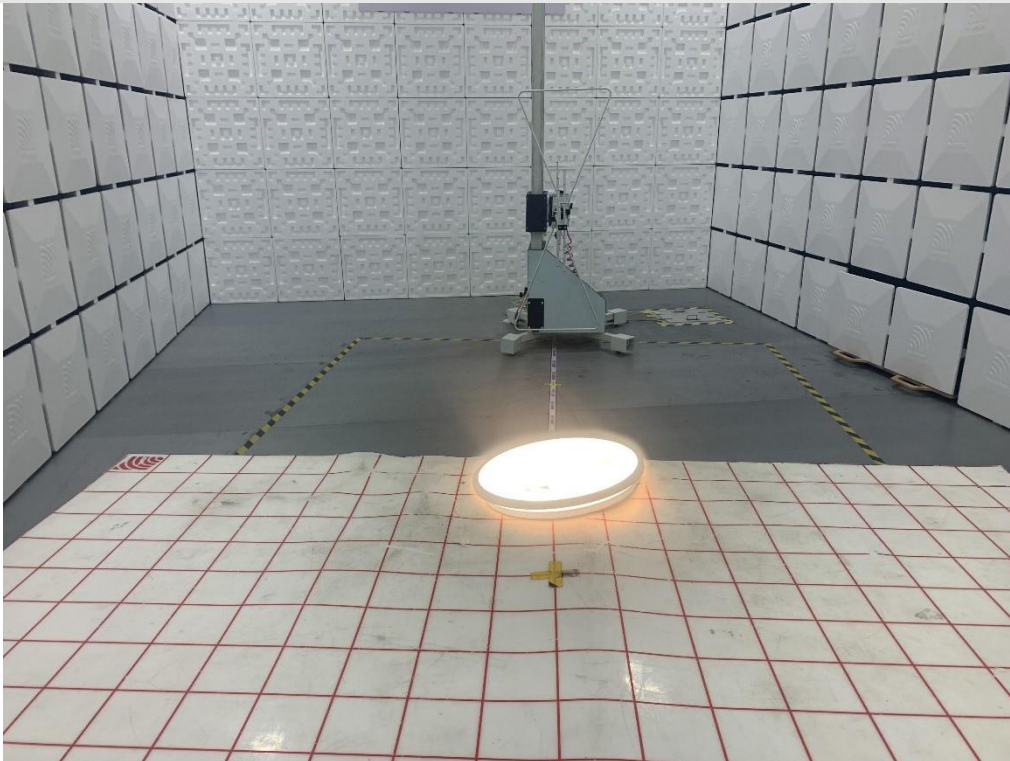
2. Margin = Result - Limit

APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

Conducted emissions

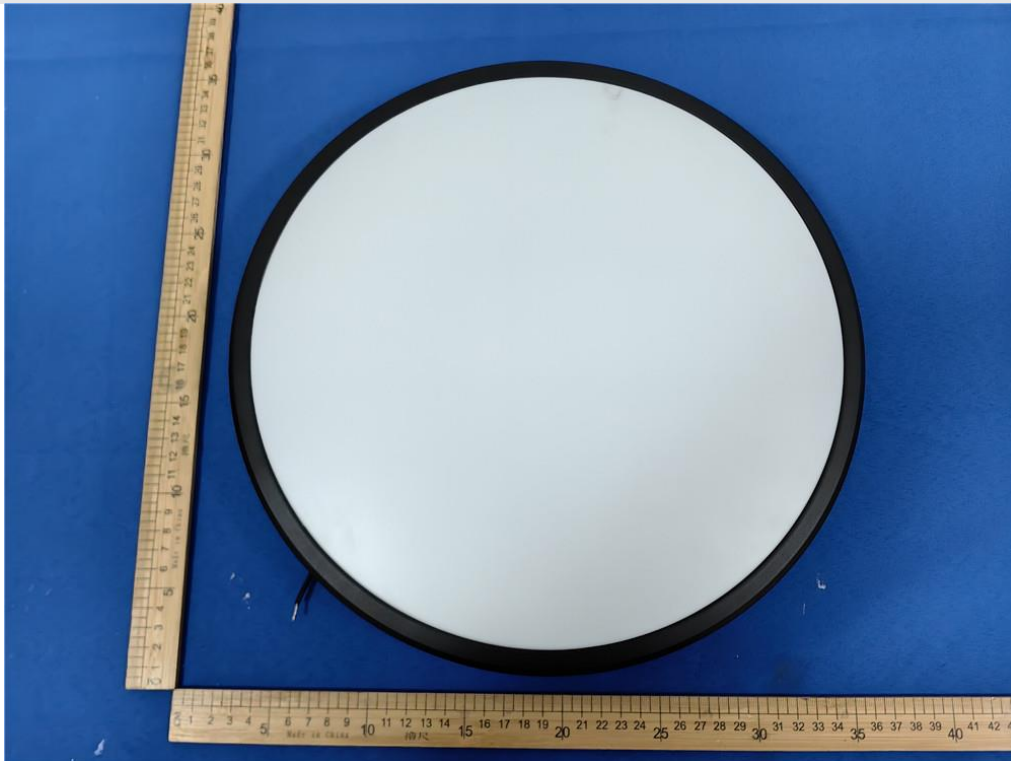


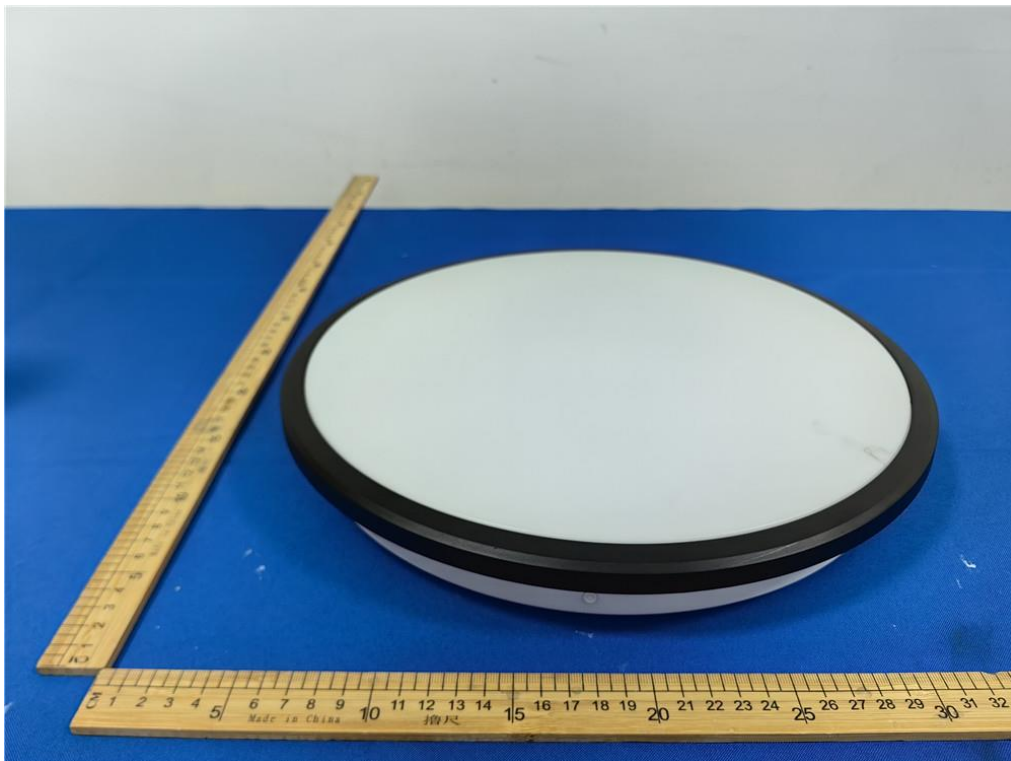
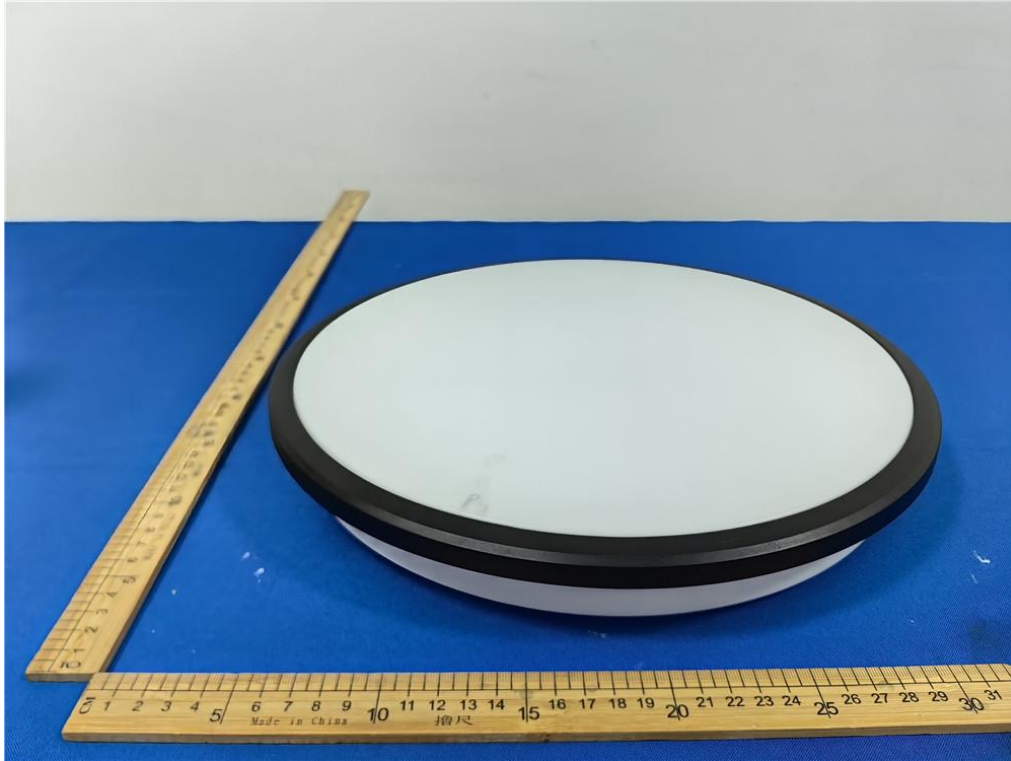
Radiated emissions below 1GHz

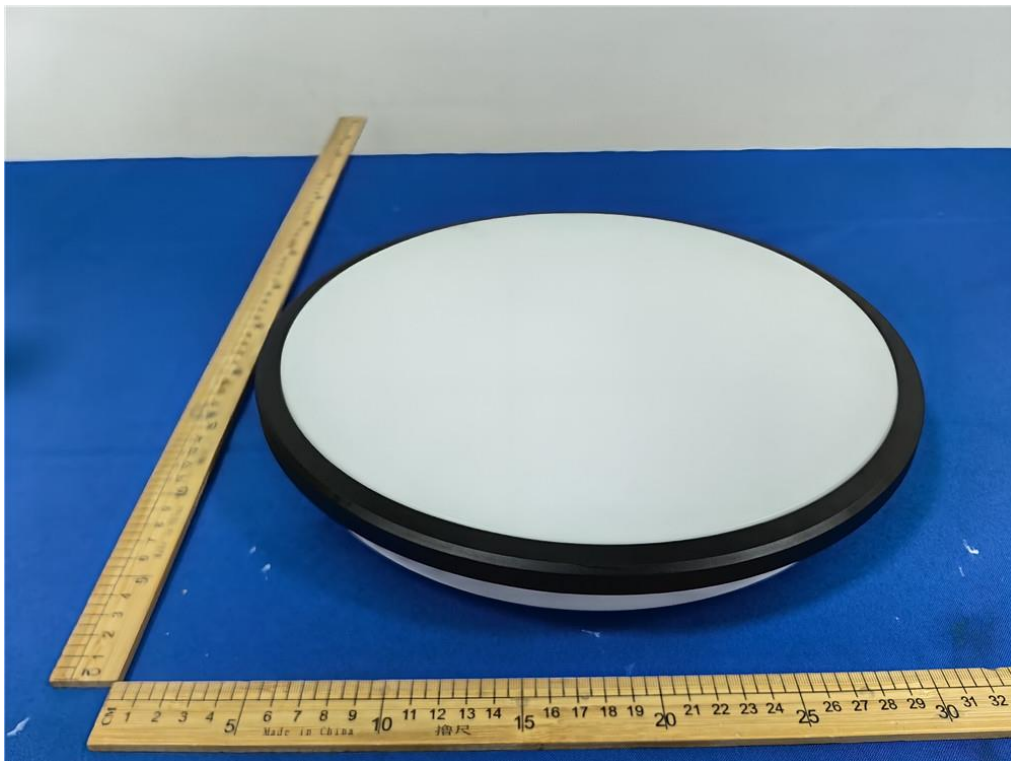
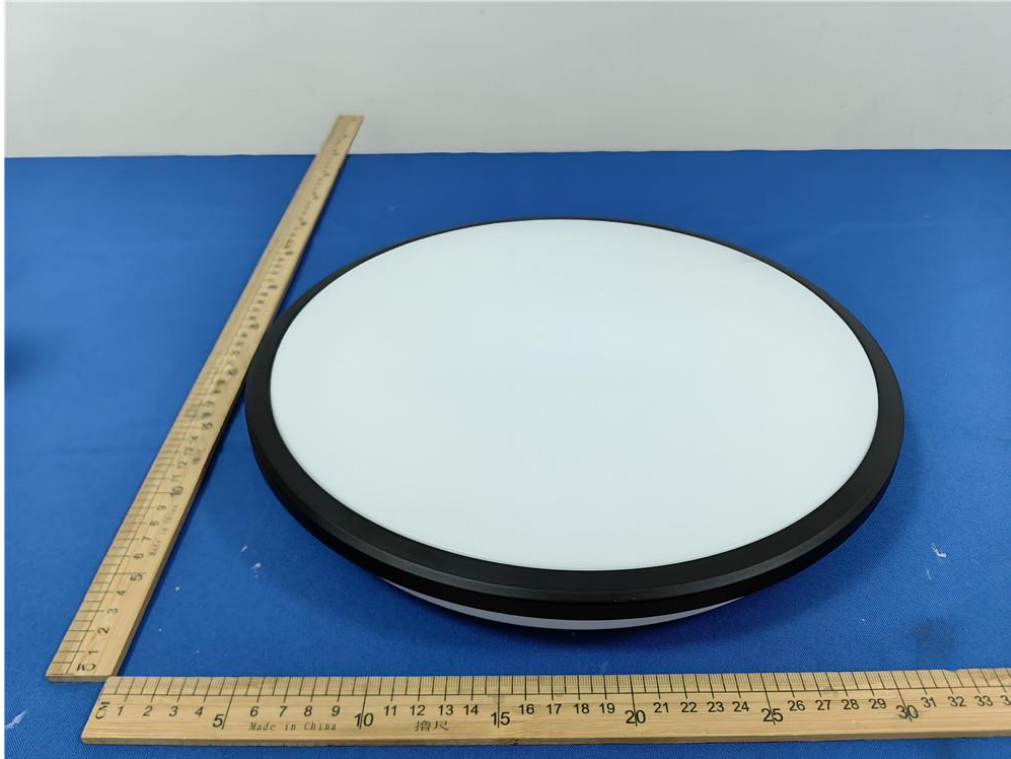


APPENDIX: PHOTOGRAPHS OF THE EUT

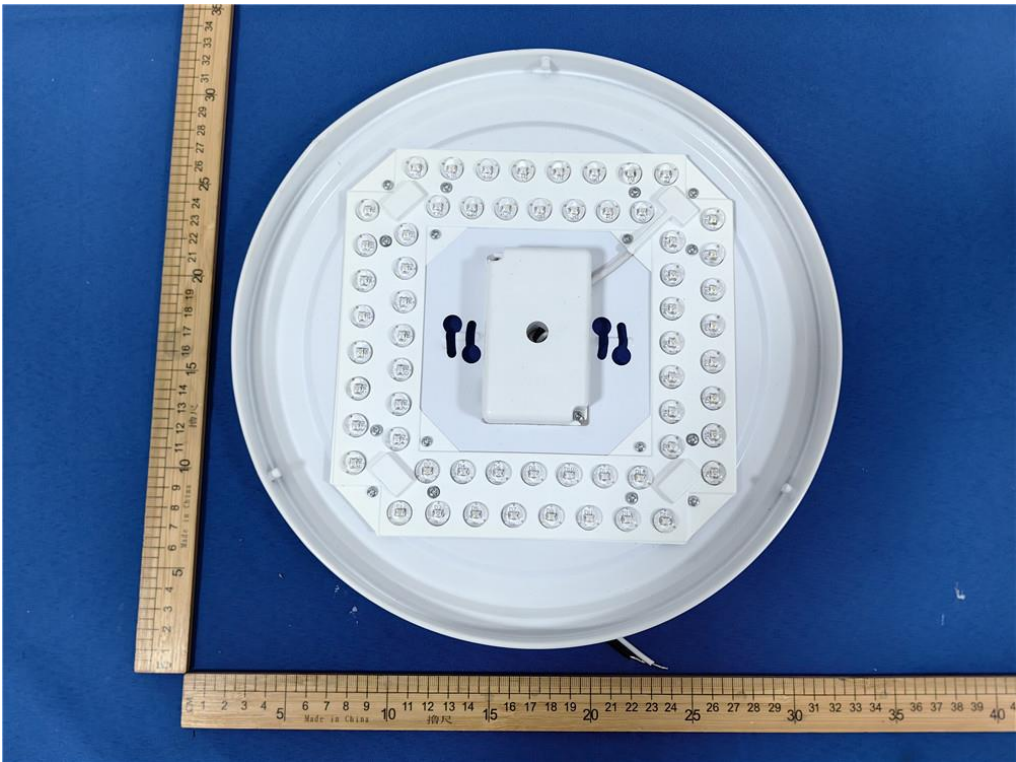
External

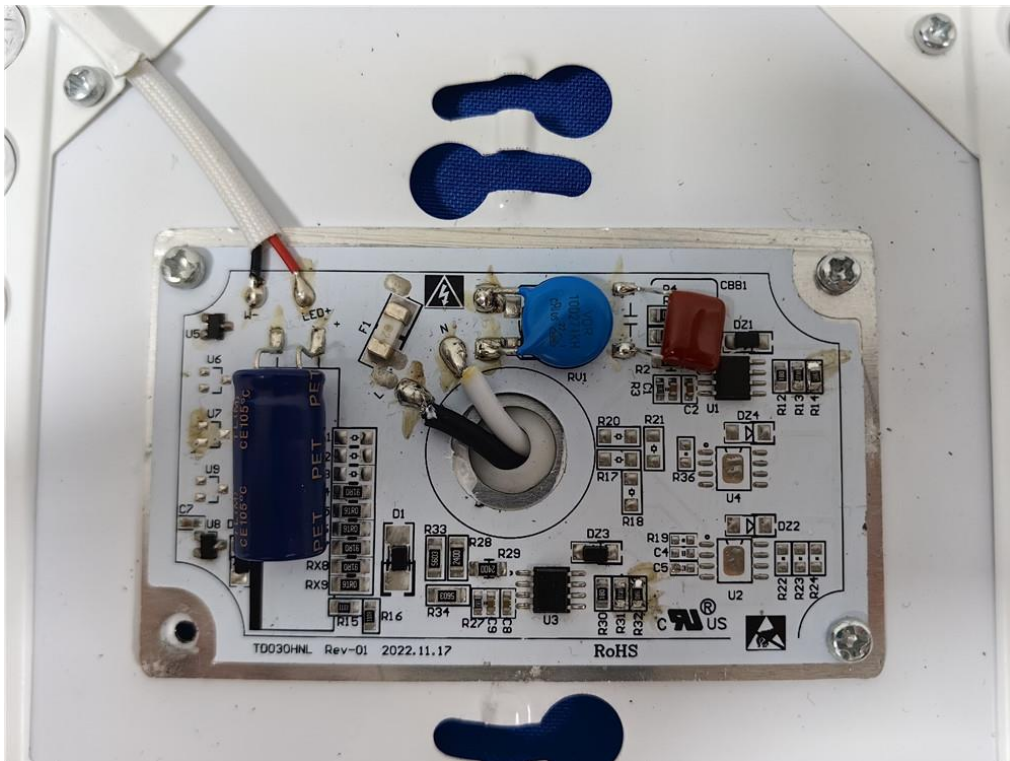
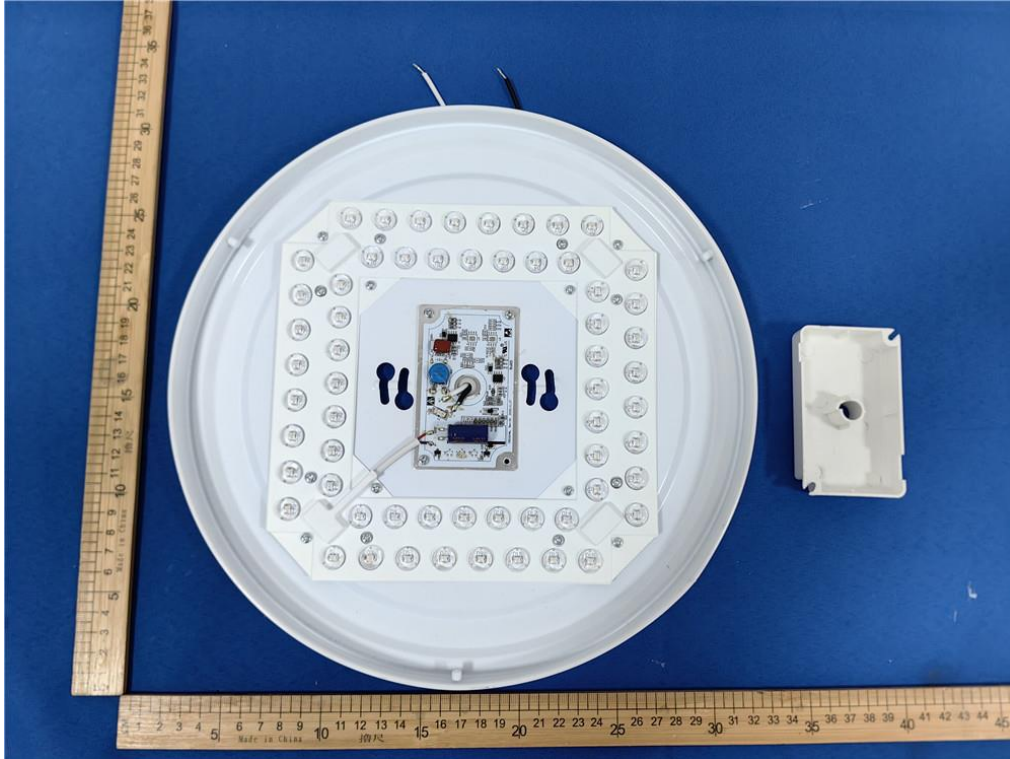


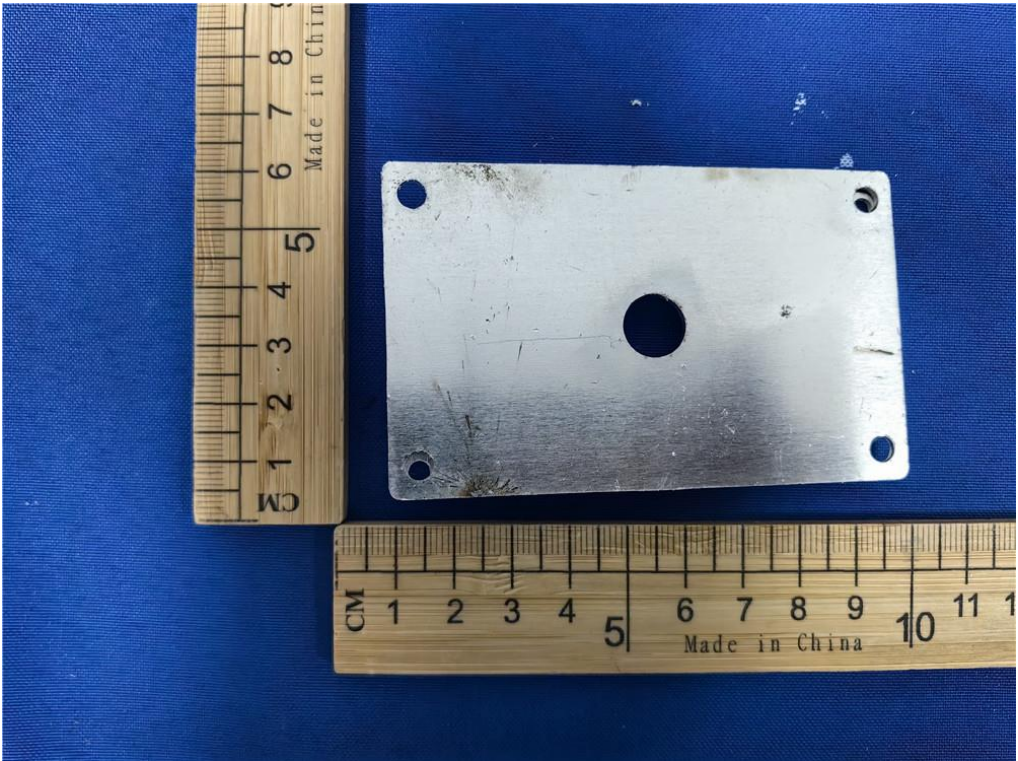
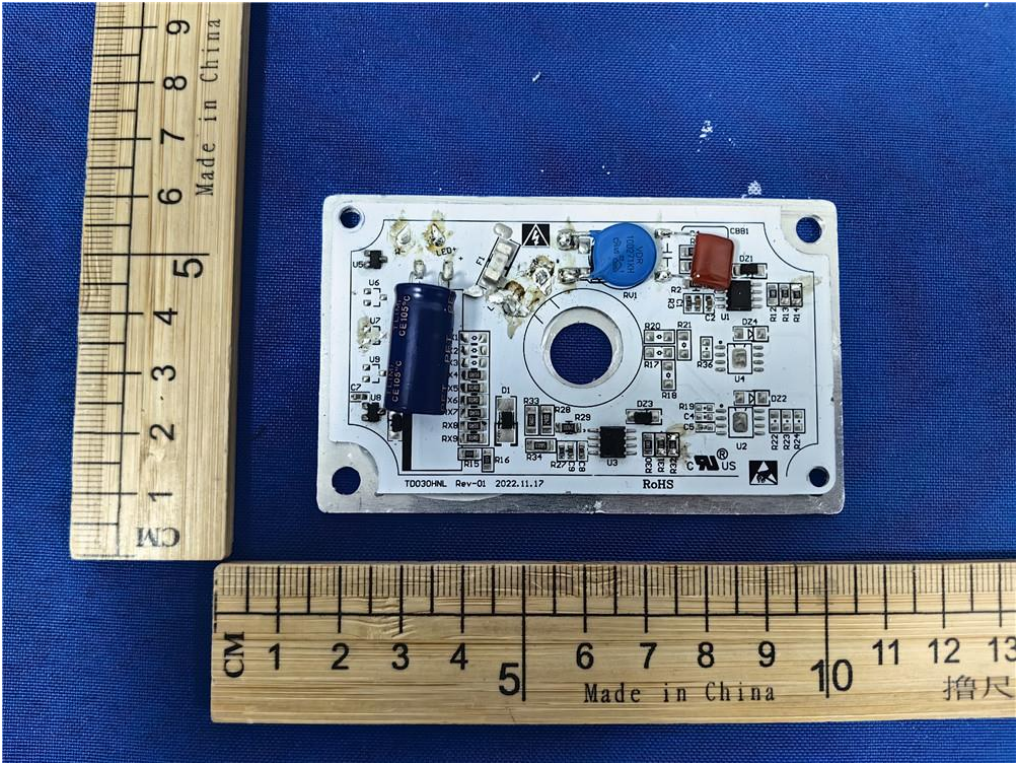




Internal









END OF REPORT