

**FCC Part15, Subpart B**

**TEST REPORT**

*For*

**Hazloc LED Luminaire**

**MODEL NUMBER: FEL-C-80-V04, FEL-C-100-V04**

**REPORT NUMBER: 4791192212-11**

**ISSUE DATE: February 07, 2024**

*Prepared for*

**RED SKY LIGHTING (HONG KONG) LIMITED**  
**Unit 205, Building 2E, Hong Kong Science Park Pak Shek Kok, New Territories,**  
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*Prepared by*

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## Revision History

Rev.	Issue Date	Revisions	Revised By
V0	10/11/2023	Initial Issue	Andy Xiong
V1	02/07/2024	Changed the information of applicant and manufacturer	Andy Xiong

Note: This is a copy report base on 4790956930-11 which was issued by UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch on October 11, 2023. The customer need to add a new applicant and manufacturer, we only updated the information base on the original test report without any test. For more information, please refer to the original report.

**Summary of Test Results**

Standard	Test Item	Limit	Result	Remark
FCC Part15, Subpart B ANSI C63.4-2014	Conducted Disturbance	Class A	PASS	NOTE (2)
	Radiated Disturbance below 1 GHz	Class A	PASS	
	Radiated Disturbance above 1 GHz	Class A	N/A	NOTE (1) NOTE (3)

**Note:**

(1) "N/A" denotes test is not applicable in this test report.

(2) This test is only applicable for devices which can be charged or powered by AC power cable.

(3) If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

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

(5) The measurement result for the sample received is <Pass> according to < FCC Part15, Subpart B > when <Simple Acceptance> decision rule is applied.

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## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: RED SKY LIGHTING (HONG KONG) LIMITED  
Address: Unit 205, Building 2E, Hong Kong Science Park Pak Shek Kok,  
New Territories, Hong Kong

### Manufacturer Information

Company Name: NJZ Lighting Technology Co., Ltd  
Address: Room 516, No.8 Hengfei Road, Nanjing Economic and  
Technological Development Zone, Nanjing, Jiangsu, China

### EUT Information

EUT Name: Hazloc LED Luminaire  
Model: FEL-C-100-V04  
Serial Model: FEL-C-80-V04  
Brand: /  
Sample Received Date: August 28, 2023  
Sample Status: Normal  
Sample ID: 6396327  
Date of Tested: September 5, 2023 ~ September 27, 2023

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part15, Subpart B	PASS

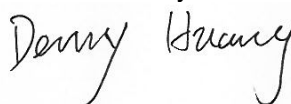
Prepared By:



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Andy Xiong  
Engineer Project Associate

Checked By:



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Denny Huang  
Senior Project Engineer

Approved By:



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Stephen Guo  
Laboratory Manager

## 2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC Part15 Subpart B & ANSI C63.4-2014.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

## 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 from the AC mains power ports	0.009 MHz ~ 0.15 MHz	2	4.00
Conducted emissions from the AC mains power ports	0.15 MHz ~ 30 MHz	2	3.62
Radiated emissions	30 MHz ~ 1 GHz	2	4.00
Radiated emissions	1 GHz ~ 18 GHz	2	5.78

Note: 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:	Hazloc LED Luminaire	
Model:	FEL-C-100-V04	
Serial Model:	FEL-C-80-V04	
Model Difference:	Their electrical circuit design, layout, components used and internal wiring are identical, only input current, power and model name is different. We select "FEL-C-100-V04" which with max power as the representative model for compliance test.	
Ratings:	FEL-C-80-V04	Input: AC347-480V, 0.24/0.17A
	FEL-C-100-V04	Input: AC347-480V, 0.29/0.21A

### 5.2. TEST MODE

Test Mode	Description
Mode 1	Normal Working

### 5.3. EUT ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

### 5.4. SUPPORT UNITS FOR SYSTEM TEST

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
/	/	/	/	/	/

The following cables were used to form a representative test configuration during the tests.

Item	Type of cable	Shielded Type	Ferrite Core	Length
C-1	AC cable	Unshielded	NO	1.0 m



## 6. MEASURING EQUIPMENT AND SOFTWARE USED

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	101961	Oct. 17, 2022	Oct. 16, 2023
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Oct. 17, 2022	Oct. 16, 2023
Software					
Description		Manufacturer		Name	Version
Test Software for Conducted Emissions		Farad		EZ-EMC	Ver. UL-3A1
Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KEYSIGHT	N9038A	MY56400036	Oct. 17, 2022	Oct. 16, 2023
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Aug. 2, 2021	Aug. 1, 2024
Preamplifier	HP	8447D	2944A09099	Oct. 17, 2022	Oct. 16, 2023
Software					
Description		Manufacturer		Name	Version
Test Software for Radiated Emissions		Farad		EZ-EMC	Ver. UL-3A1

## 7. EMISSION TEST

### 7.1. CONDUCTED EMISSIONS MEASUREMENT

#### 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.

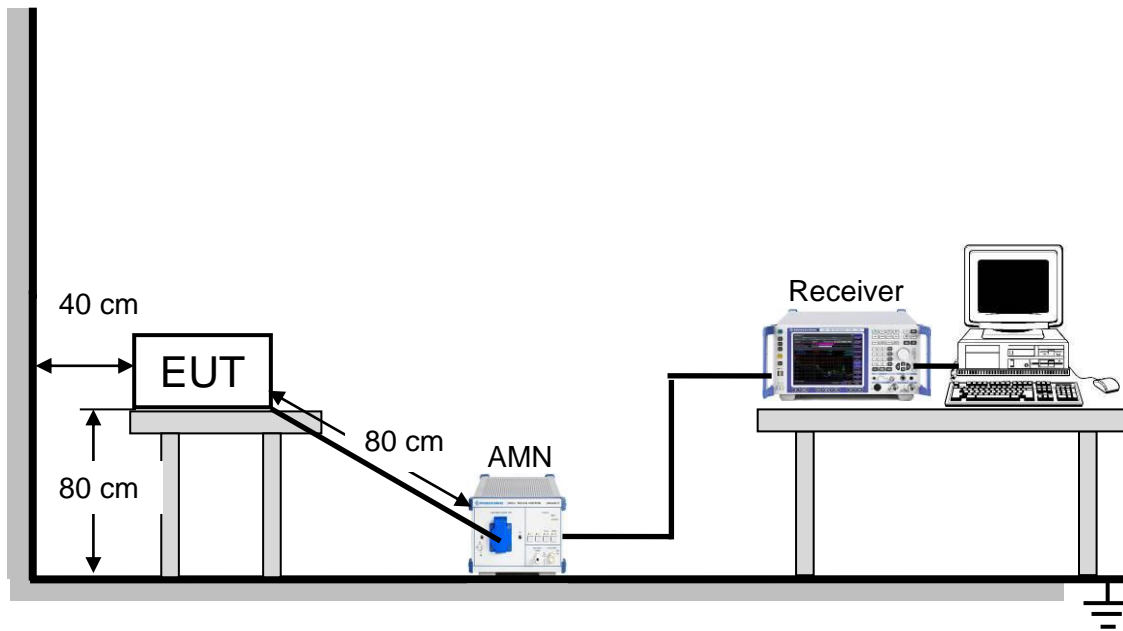
The following table is the setting of the receiver

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**



For the actual test configuration, please refer to Appendix I: Photographs of Test Configuration.

## **TEST ENVIRONMENT**

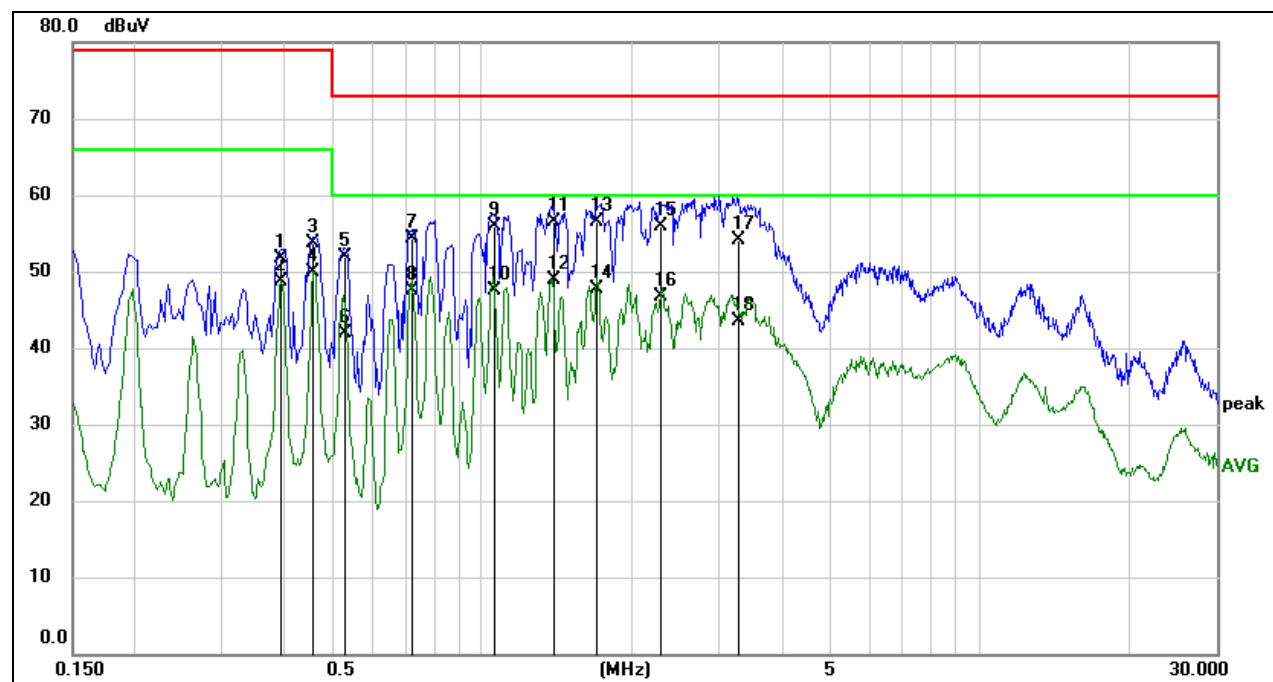
Temperature	20.4 °C	Relative Humidity	53.2 %
Atmosphere Pressure	101 kPa		

## **TEST MODE**

Pre-test Mode:	Mode 1
Final Test Mode:	Mode 1

## TEST RESULTS

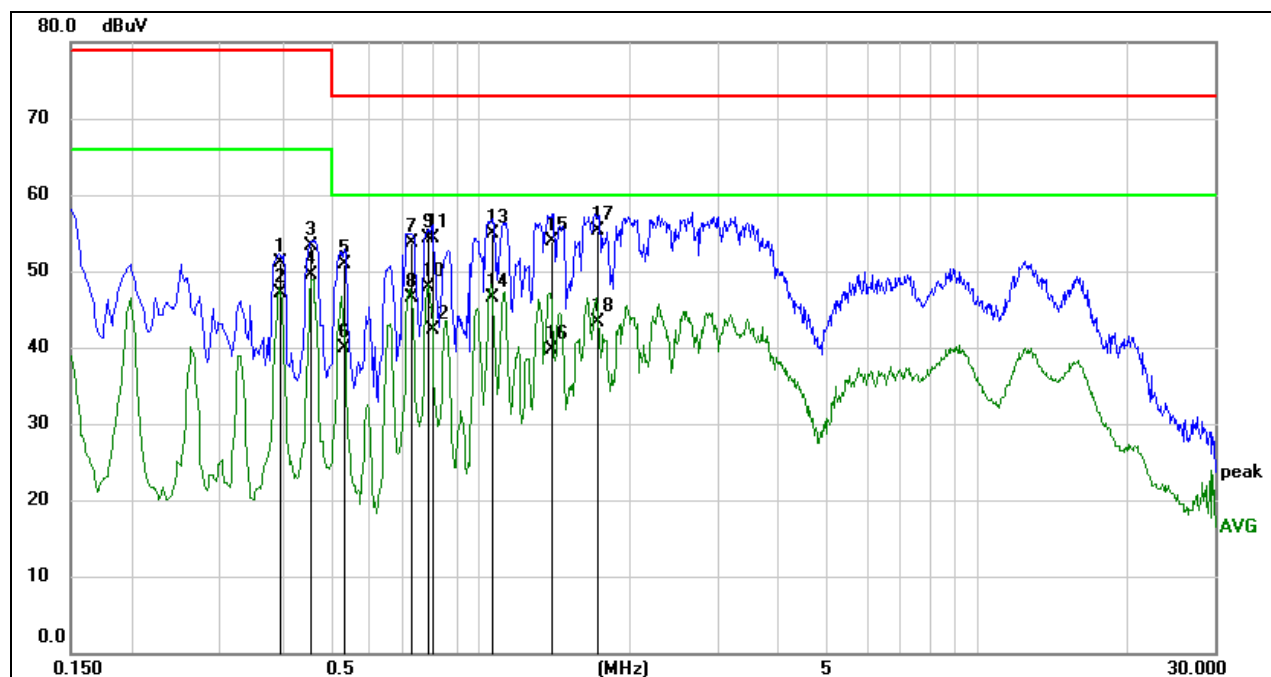
Conducted Emissions			
Test Mode:	Mode 1	Phase:	Line
Test Voltage	AC 347 V/60 Hz		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3930	51.43	0.20	51.63	79.00	-27.37	QP
2	0.3930	48.45	0.20	48.65	66.00	-17.35	AVG
3	0.4580	53.55	0.23	53.78	79.00	-25.22	QP
4	0.4580	49.67	0.23	49.90	66.00	-16.10	AVG
5	0.5336	51.58	0.27	51.85	73.00	-21.15	QP
6	0.5336	41.66	0.27	41.93	60.00	-18.07	AVG
7	0.7278	54.08	0.30	54.38	73.00	-18.62	QP
8	0.7278	47.24	0.30	47.54	60.00	-12.46	AVG
9	1.0588	55.60	0.29	55.89	73.00	-17.11	QP
10	1.0588	47.16	0.29	47.45	60.00	-12.55	AVG
11	1.3820	56.23	0.26	56.49	73.00	-16.51	QP
12	1.3820	48.70	0.26	48.96	60.00	-11.04	AVG
13	1.7060	56.19	0.23	56.42	73.00	-16.58	QP
14	1.7060	47.57	0.23	47.80	60.00	-12.20	AVG
15	2.2916	55.76	0.20	55.96	73.00	-17.04	QP
16	2.2916	46.42	0.20	46.62	60.00	-13.38	AVG
17	3.2811	53.94	0.23	54.17	73.00	-18.83	QP
18	3.2811	43.37	0.23	43.60	60.00	-16.40	AVG

Note: 1. Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)  
2. Margin = Result - Limit

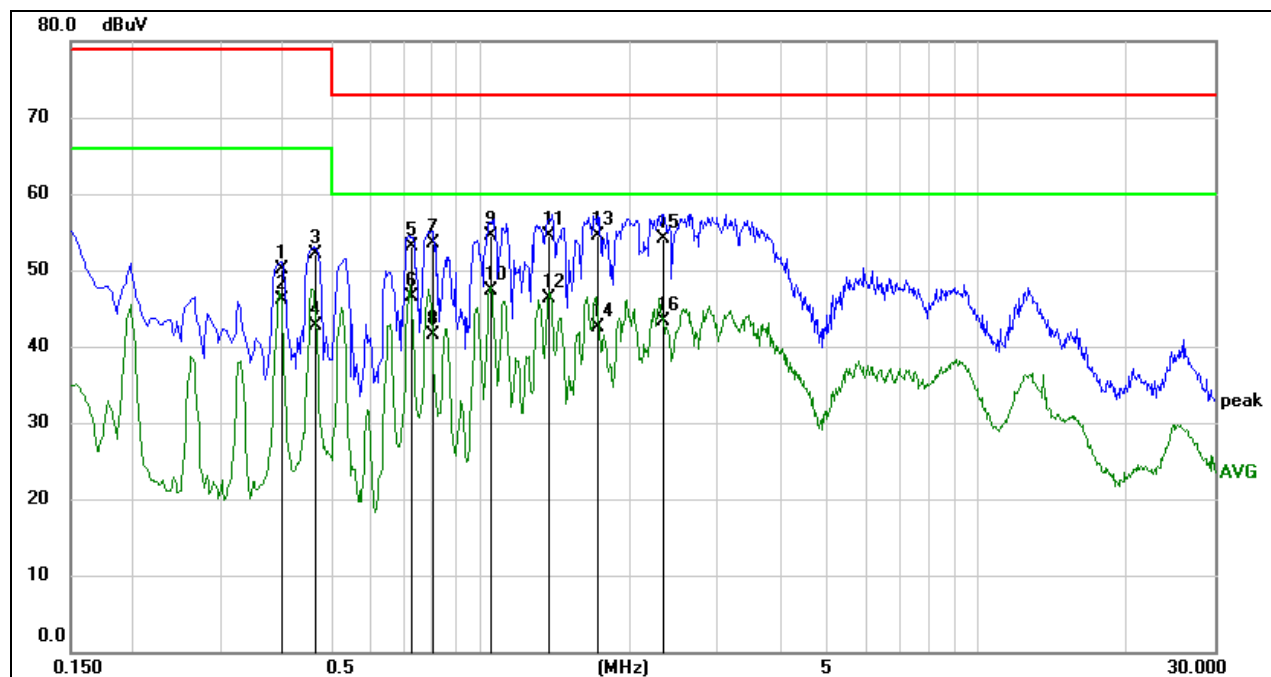
Conducted Emissions			
Test Mode:	Mode 1	Phase:	Neutral
Test Voltage	AC 347 V/60 Hz		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3967	50.76	0.30	51.06	79.00	-27.94	QP
2	0.3967	46.78	0.30	47.08	66.00	-18.92	AVG
3	0.4580	53.03	0.33	53.36	79.00	-25.64	QP
4	0.4580	49.17	0.33	49.50	66.00	-16.50	AVG
5	0.5349	50.62	0.37	50.99	73.00	-22.01	QP
6	0.5349	39.63	0.37	40.00	60.00	-20.00	AVG
7	0.7290	53.35	0.34	53.69	73.00	-19.31	QP
8	0.7290	46.26	0.34	46.60	60.00	-13.40	AVG
9	0.7860	54.02	0.31	54.33	73.00	-18.67	QP
10	0.7860	47.59	0.31	47.90	60.00	-12.10	AVG
11	0.8015	53.98	0.30	54.28	73.00	-18.72	QP
12	0.8015	41.92	0.30	42.22	60.00	-17.78	AVG
13	1.0599	54.53	0.39	54.92	73.00	-18.08	QP
14	1.0599	46.12	0.39	46.51	60.00	-13.49	AVG
15	1.4053	53.49	0.32	53.81	73.00	-19.19	QP
16	1.4053	39.44	0.32	39.76	60.00	-20.24	AVG
17	1.7286	55.05	0.25	55.30	73.00	-17.70	QP
18	1.7286	43.01	0.25	43.26	60.00	-16.74	AVG

Note: 1. Result = Reading + Correct (Insertion Loss + Cable Loss + Attenuator Factor)  
2. Margin = Result – Limit

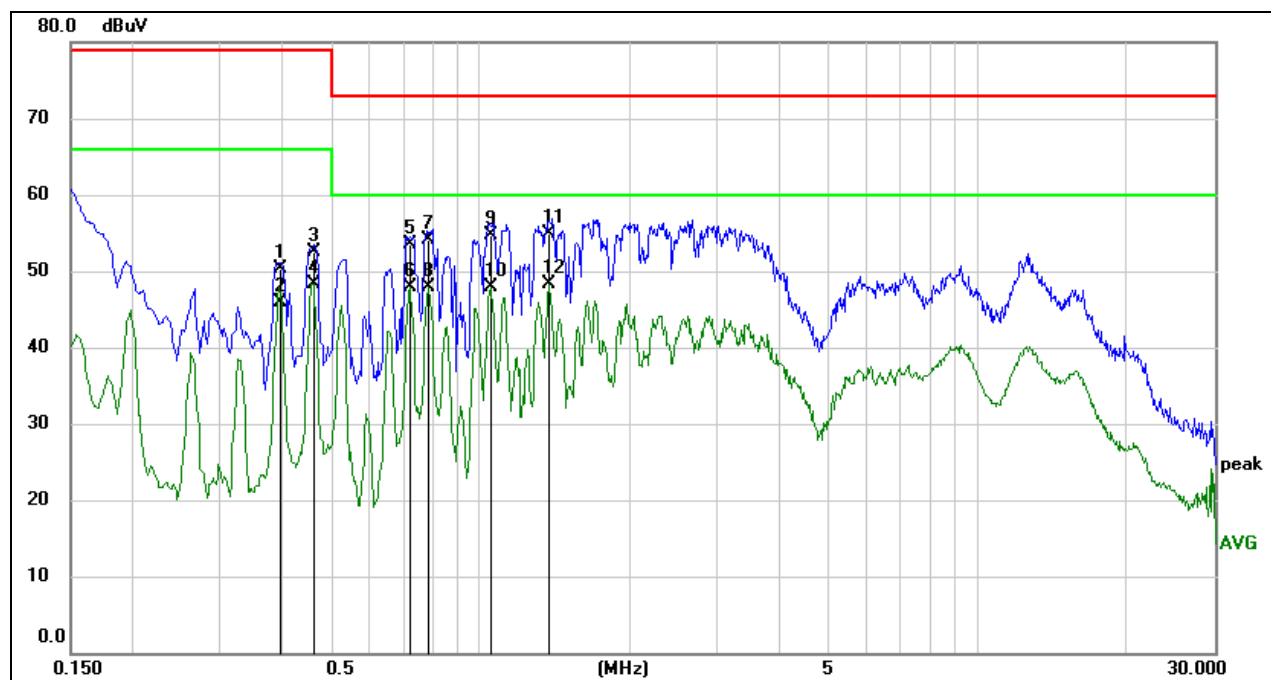
Conducted Emissions			
Test Mode:	Mode 1	Phase:	Line
Test Voltage	AC 480 V/60 Hz		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3970	49.91	0.20	50.11	79.00	-28.89	QP
2	0.3970	45.85	0.20	46.05	66.00	-19.95	AVG
3	0.4677	51.93	0.23	52.16	79.00	-26.84	QP
4	0.4677	42.48	0.23	42.71	66.00	-23.29	AVG
5	0.7273	52.78	0.30	53.08	73.00	-19.92	QP
6	0.7273	46.22	0.30	46.52	60.00	-13.48	AVG
7	0.8021	53.14	0.30	53.44	73.00	-19.56	QP
8	0.8021	41.25	0.30	41.55	60.00	-18.45	AVG
9	1.0547	54.22	0.29	54.51	73.00	-18.49	QP
10	1.0547	46.99	0.29	47.28	60.00	-12.72	AVG
11	1.3717	54.33	0.26	54.59	73.00	-18.41	QP
12	1.3717	46.10	0.26	46.36	60.00	-13.64	AVG
13	1.7302	54.23	0.23	54.46	73.00	-18.54	QP
14	1.7302	42.27	0.23	42.50	60.00	-17.50	AVG
15	2.3286	53.83	0.20	54.03	73.00	-18.97	QP
16	2.3286	43.07	0.20	43.27	60.00	-16.73	AVG

Note: 1. Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)  
2. Margin = Result - Limit

Conducted Emissions			
Test Mode:	Mode 1	Phase:	Neutral
Test Voltage	AC 480 V/60 Hz		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3973	49.99	0.30	50.29	79.00	-28.71	QP
2	0.3973	45.67	0.30	45.97	66.00	-20.03	AVG
3	0.4620	52.25	0.33	52.58	79.00	-26.42	QP
4	0.4620	48.02	0.33	48.35	66.00	-17.65	AVG
5	0.7229	53.11	0.34	53.45	73.00	-19.55	QP
6	0.7229	47.49	0.34	47.83	60.00	-12.17	AVG
7	0.7860	53.71	0.31	54.02	73.00	-18.98	QP
8	0.7860	47.60	0.31	47.91	60.00	-12.09	AVG
9	1.0500	54.40	0.39	54.79	73.00	-18.21	QP
10	1.0500	47.53	0.39	47.92	60.00	-12.08	AVG
11	1.3779	54.52	0.32	54.84	73.00	-18.16	QP
12	1.3779	47.96	0.32	48.28	60.00	-11.72	AVG

Note: 1. Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)  
2. Margin = Result - Limit

## 7.2. RADIATED EMISSIONS MEASUREMENT

### 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

Above 1 GHz

CFR 47 FCC Part 15 Subpart B				
Frequency (MHz)	Class A		Class B	
	(dBuV/m) (at 3 m)		(dBuV/m) (at 3 m)	
	Peak	Average	Peak	Average
Above 1000	80	60	74	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

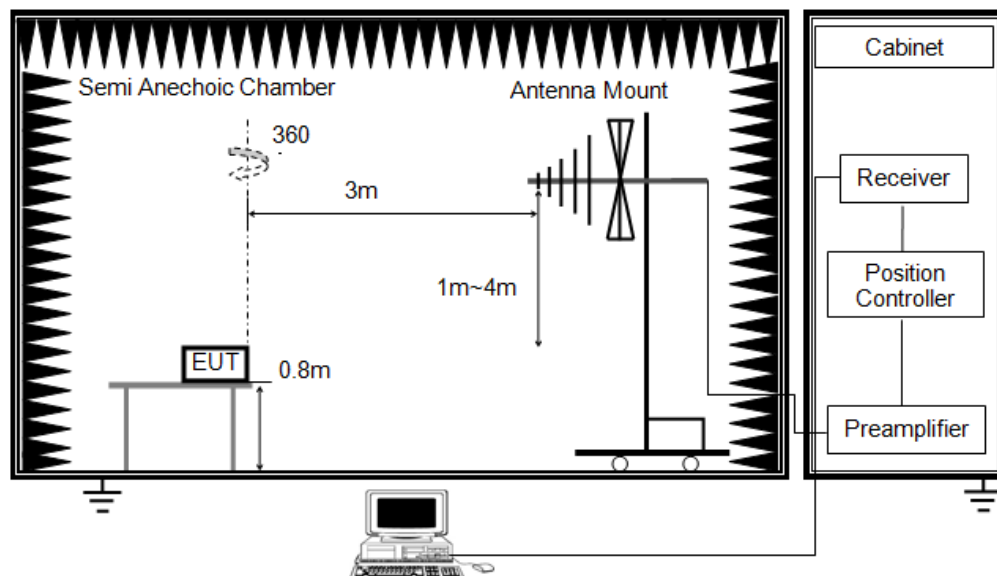
NOTE:

- (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 SETUP AND PROCEDURE

Below 1 GHz and above 30 MHz

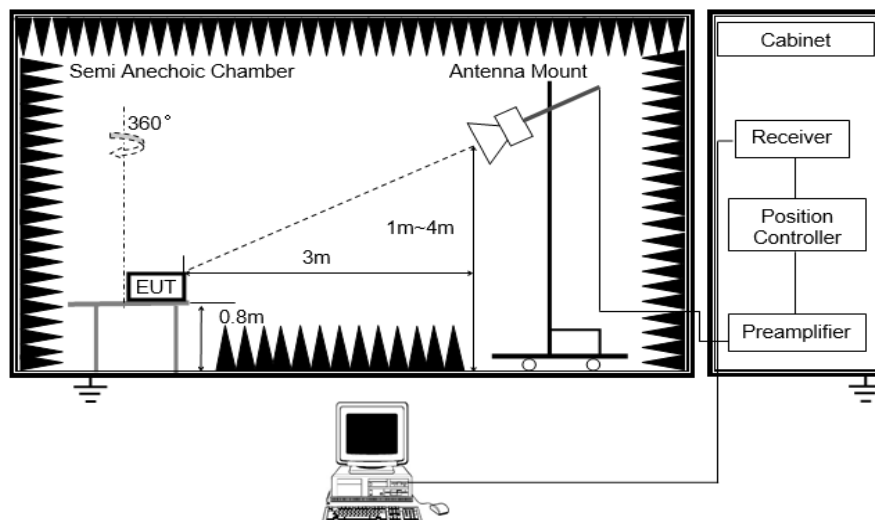


The setting of the spectrum analyser

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.

Above 1 GHz



The setting of the spectrum analyser

RBW	1 MHz
VBW	3 MHz
Sweep	Auto
Detector	Peak: Peak AVG: RMS
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 and a high pass filter are 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 above 1 GHz, the peak emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the peak limit specified in Section 15.109. If peak result complies with average limit, average result is deemed to comply with average limit.
9. The average emission measurement will be measured by the RMS detector and must comply with the average limit specified in Section 15.109.

**TEST ENVIRONMENT**

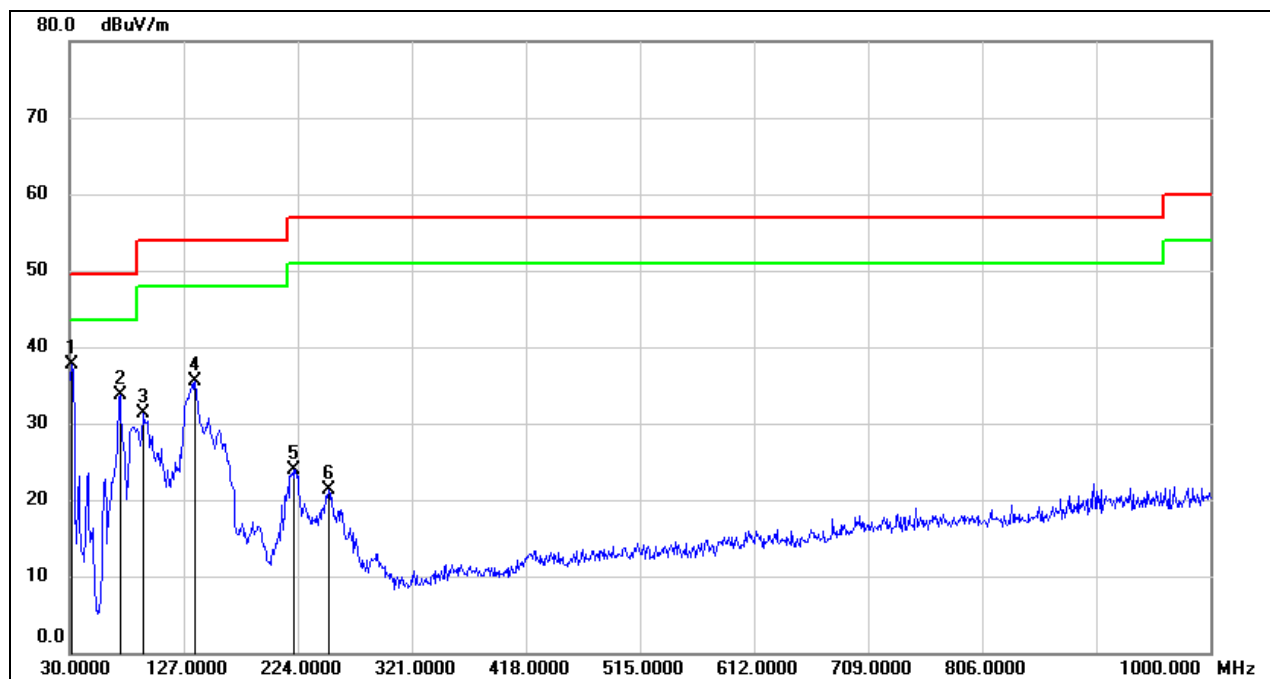
Radiated Emissions - Below 1 GHz		Radiated Emissions - Above 1 GHz	
Temperature:	23.1 °C	Temperature:	/
Humidity:	56.4 %	Humidity:	/
Atmosphere Pressure	101 kPa	Atmosphere Pressure	/

**TEST MODE**

Radiated Emissions - Below 1 GHz		Radiated Emissions - Above 1 GHz	
Pre-test Mode:	Mode 1	Pre-test Mode:	/
Final Test Mode:	Mode 1	Final Test Mode:	/

## TEST RESULTS

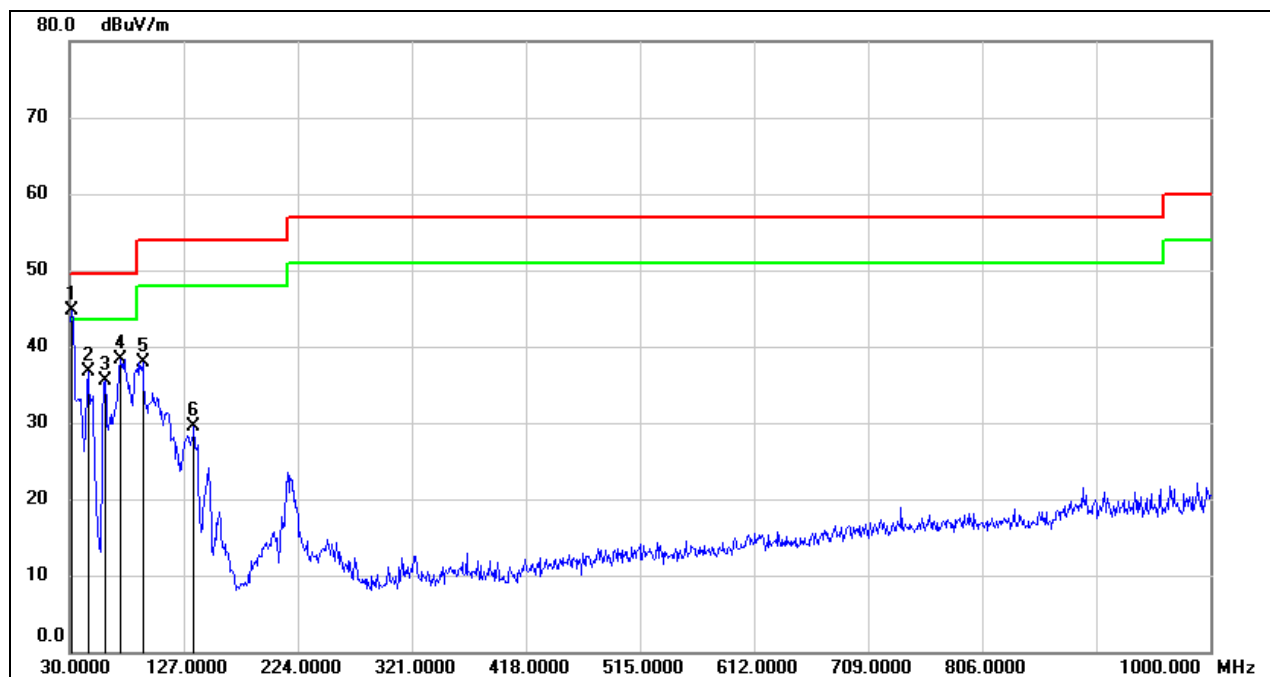
Radiated Emissions – Below 1 GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 347 V/60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	56.22	-18.55	37.67	49.50	-11.83	QP
2	72.6800	54.76	-20.96	33.80	49.50	-15.70	QP
3	93.0500	53.19	-21.89	31.30	53.90	-22.60	QP
4	136.7000	54.43	-19.00	35.43	53.90	-18.47	QP
5	221.0900	41.54	-17.54	24.00	56.90	-32.90	QP
6	250.1900	40.27	-18.95	21.32	56.90	-35.58	QP

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

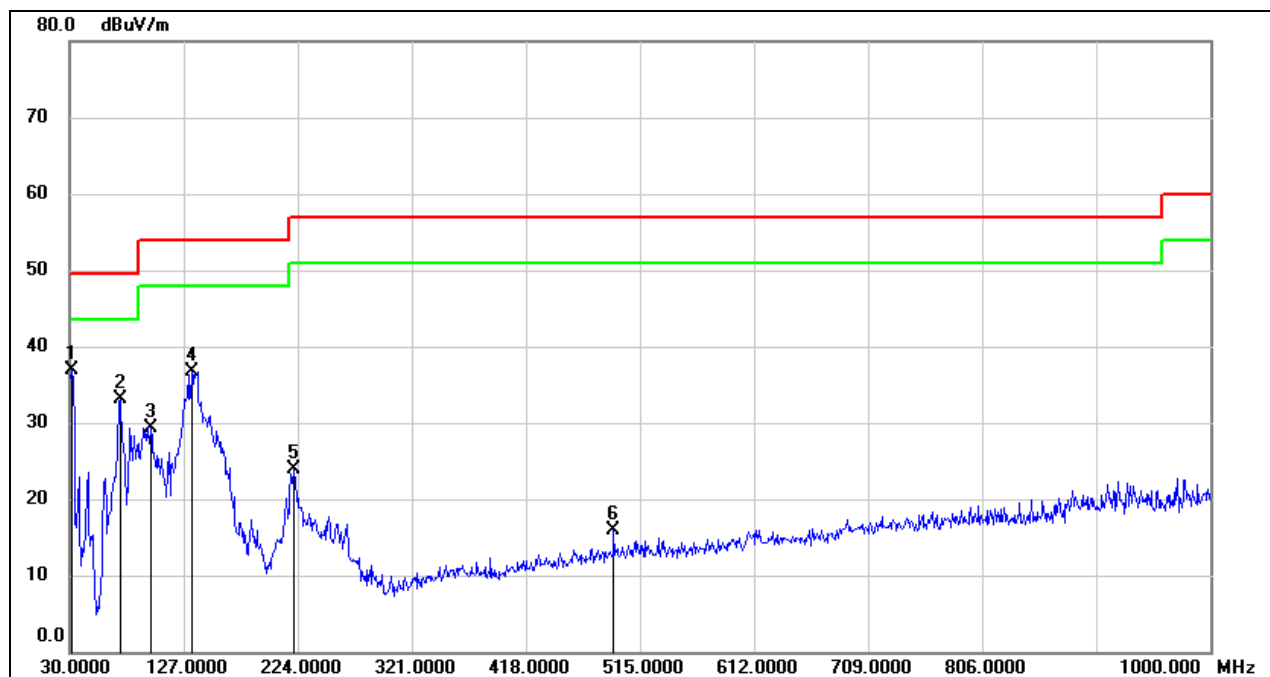
Radiated Emissions – Below 1 GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 347 V/60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	63.16	-18.55	44.61	49.50	-4.89	QP
2	45.5200	56.96	-20.22	36.74	49.50	-12.76	QP
3	60.0700	55.82	-20.29	35.53	49.50	-13.97	QP
4	73.6500	59.36	-21.04	38.32	49.50	-11.18	QP
5	92.0800	59.85	-21.97	37.88	53.90	-16.02	QP
6	135.7300	48.52	-19.04	29.48	53.90	-24.42	QP

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

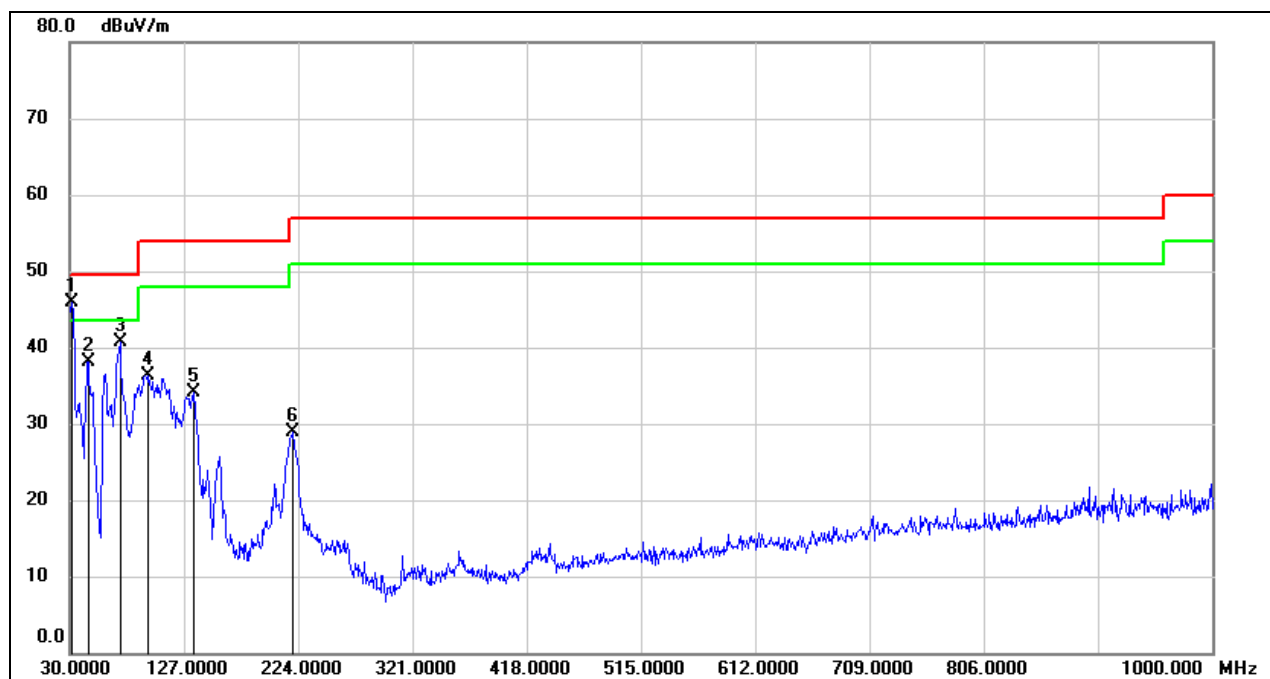
Radiated Emissions – Below 1 GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 480 V/60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	55.47	-18.55	36.92	49.50	-12.58	QP
2	72.6800	53.99	-20.96	33.03	49.50	-16.47	QP
3	98.8700	50.71	-21.43	29.28	53.90	-24.62	QP
4	133.7899	55.88	-19.13	36.75	53.90	-17.15	QP
5	220.1200	41.45	-17.51	23.94	56.90	-32.96	QP
6	492.6900	26.80	-10.86	15.94	56.90	-40.96	QP

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

Radiated Emissions – Below 1 GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 480 V/60 Hz

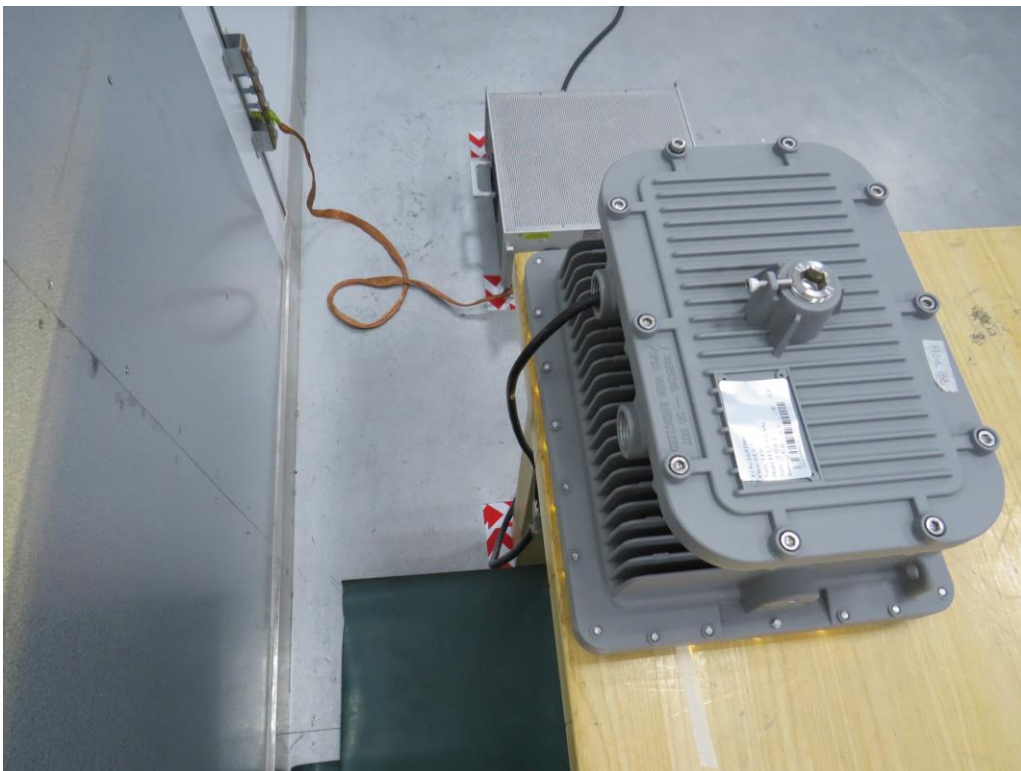


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	64.48	-18.55	45.93	49.50	-3.57	QP
2	45.5200	58.37	-20.22	38.15	49.50	-11.35	QP
3	72.6800	61.67	-20.96	40.71	49.50	-8.79	QP
4	96.9300	57.98	-21.58	36.40	53.90	-17.50	QP
5	135.7300	53.17	-19.04	34.13	53.90	-19.77	QP
6	219.1500	46.36	-17.45	28.91	56.90	-27.99	QP

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

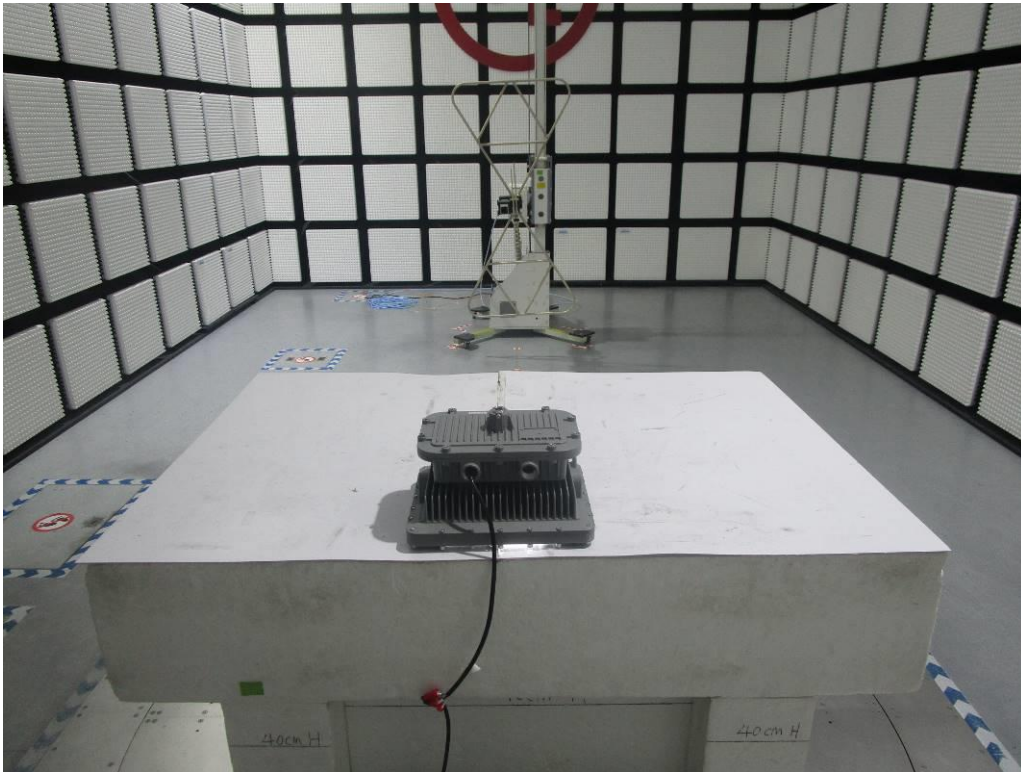
## APPENDIX I: PHOTOGRAPHS OF TEST CONFIGURATION

Conducted Emissions test setup photo



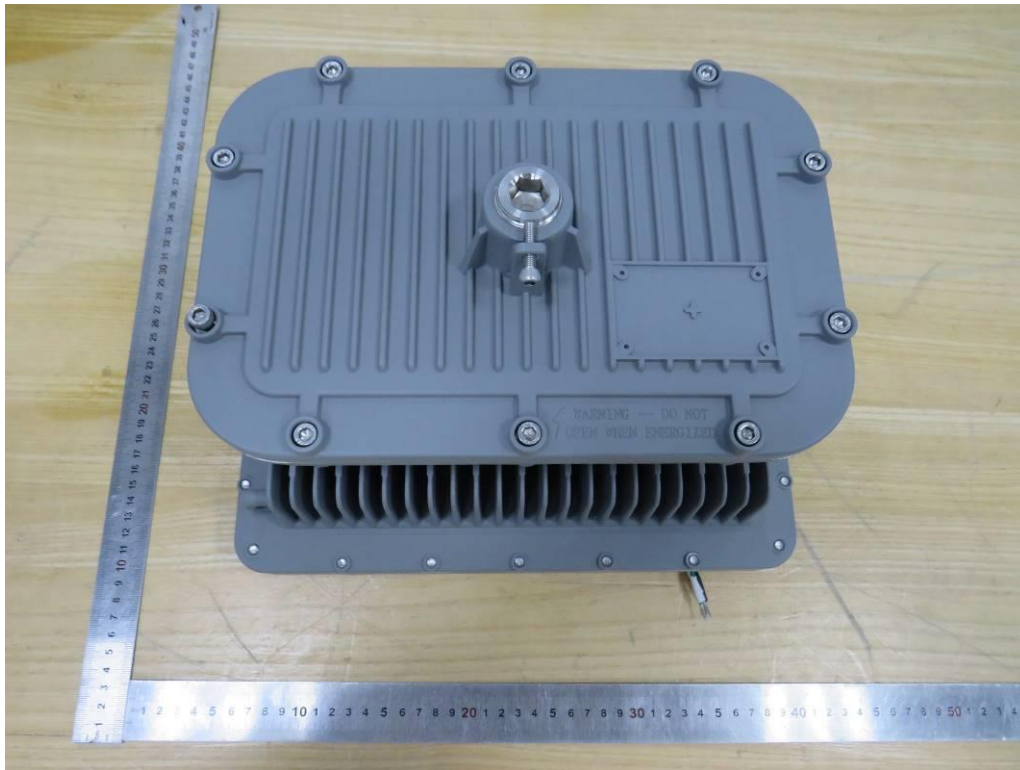


Radiated Emissions below 1 GHz test setup photo



## APPENDIX II: PHOTOGRAPHS OF THE EUT

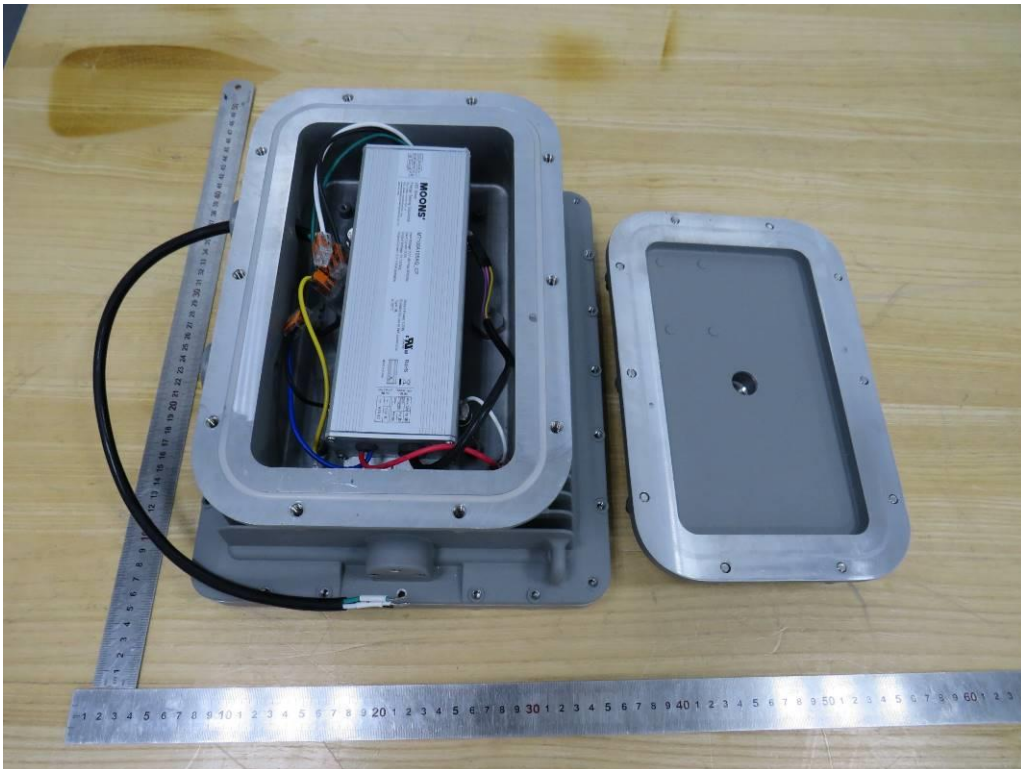
External Photos

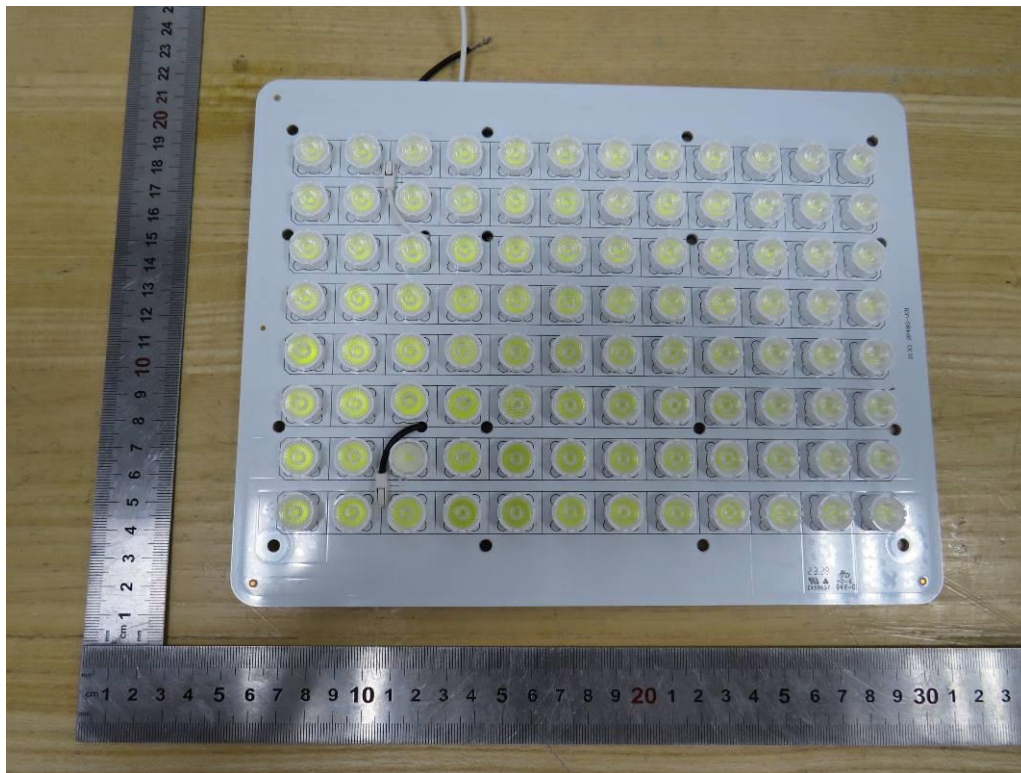
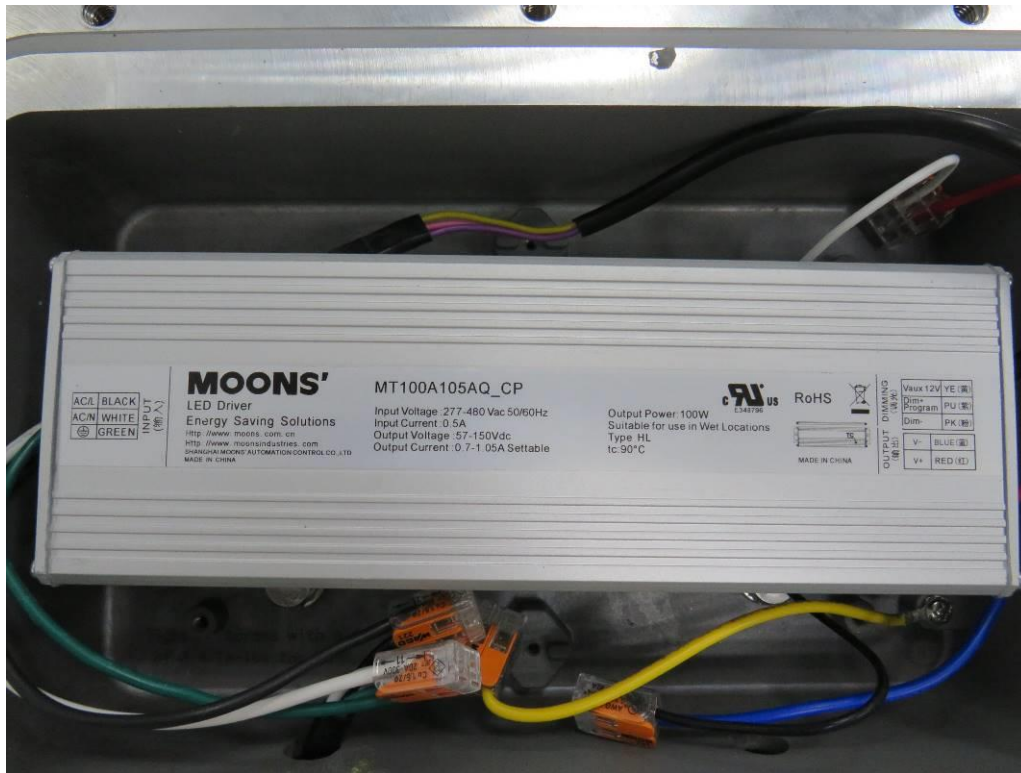


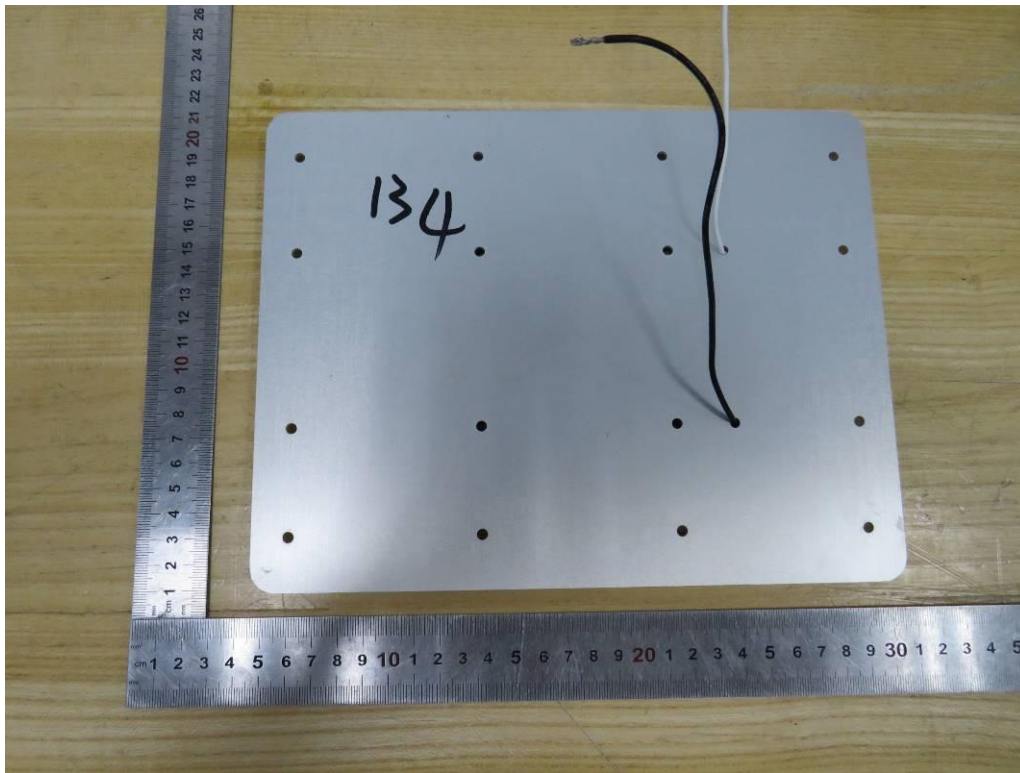




Internal Photos







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**END OF REPORT**