



TEST REPORT

For

LED Flood Lamp

MODEL NUMBER:

TTL-010-50-200V-1, TTL-020-50-200V-1, TTL-035-50-200V-1

REPORT NUMBER: 4791475312-E01-00

ISSUE DATE: November 28, 2024

Prepared for

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Prepared by

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
--	11/28/2024	Initial Issue	--

Test Summary

According to the specifications of the manufacture, the EUT complies with the following standards' requirements:

CISPR 15:2013 + JAPANESE DIFFERENCES (CISPRJ 15 H27)

Electromagnetic Interference (EMI)

Test Items	Test standard	Test Specification	Result
Conducted Emission	CISPR 15:2013+ JAPANESE DIFFERENCES (CISPRJ 15 H27)	CLAUSE 4.3.1	PASS
Radiated Emission (30MHz-300MHz)	CISPR 15:2013+ JAPANESE DIFFERENCES (CISPRJ 15 H27)	CLAUSE 4.4.2	PASS
Radiated Emission (9KHz-30MHz)	CISPR 15:2013+ JAPANESE DIFFERENCES (CISPRJ 15 H27)	CLAUSE 4.4.1	PASS

Remark 1:

N/A=not applicable.dd

Remark 2:

The product fulfils the requirements of CISPRJ 15 H27.

Remark 3:

According to the comparison of the pre-test result under all voltage, only the maximum disturbance between 50Hz and 60Hz will be shown in the report.

Remark 4:

The maximum disturbances of following frequencies at the mains terminals test had been evaluated and covered and showered by the maximum disturbances of complete frequency 9kHz to 30MHz:

9kHz, 50kHz, 100kHz, 160kHz, 240kHz, 550kHz, 1Mhz, 1.4MHz, 2MHz, 3.5MHz, 6MHz, 10MHz, 22MHz, 30MHz.

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1 ATTESTATION OF TEST RESULTS

Applicant Information	
Company Name:	Paragon Semiconductor Lighting Technology Co., Ltd.(ParagonLED®)
Address:	3F No 369 Sec 2 Wenhua 2Nd Rd New Taipei City, 244 TW
Manufacturer Information	
Company Name:	Paragon Semiconductor Lighting Technology Co., Ltd.(ParagonLED®)
Address:	3F No 369 Sec 2 Wenhua 2Nd Rd New Taipei City, 244 TW
EUT Description	
Product Name:	LED Flood Lamp
Model Number:	TTL-010-50-200V-1, TTL-020-50-200V-1, TTL-035-50-200V-1
SN:	1801728
Date Tested:	September 26 2024~ October 08 2024

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CISPR 15:2013 + JAPANESE DIFFERENCES (CISPRJ 15 H27)	PASS*

* Decision rule for statement(s) of conformity and Measurement uncertainty is calculated in accordance to clause 4 of CISPR 16-4-2:2018.

Prepared By:



Ryan Pang

Approved By:



Holden Liang

2 TEST METHODOLOGY

All tests were performed in accordance with the procedures documented:
CISPR 15:2013 + JAPANESE DIFFERENCES (CISPRJ 15 H27)

3 FACILITIES AND ACCREDITATION

Test Location	Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808
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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 disturbance	0.009MHz ~ 30MHz	2	2.80
Radiated electromagnetic disturbances	0.009MHz ~ 30MHz	2	2.69
Radiated Emission Test	30MHz ~ 1000MHz	2	4.40

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 FOR THE EUT

Product Name:	LED Flood Lamp
Model No.:	TTL-010-50-200V-1, TTL-020-50-200V-1, TTL-035-50-200V-1
Different:	All have same circuit diagram and PCB, but different in the rated power.
Protection Class:	Class I
Rated Input:	AC 200V, 50/60Hz
Test Model:	TTL-035-50-200V-1
Test voltage:	AC 200V, 50Hz & AC 200V, 60Hz

Note: According to the comparison of the pre-test result under all voltage, only the maximum disturbance between 50Hz and 60Hz will be shown in the report.

5.2 TEST MODE

Mode 1	On, lighting
--------	--------------

5.3 DESCRIPTION OF TEST SETUP

The EUT has been tested with associated equipment.

No.	Description	Manufacturer	Specification
1	N/A	N/A	N/A

5.4 MEASURING INSTRUMENT AND SOFTWARE USED

Conducted Emission						
No.	Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
1	EMI Test Receiver	R&S	ESCI	DDT-ZC01972	2024-04-01	2025-03-31
2	Two Line V-Network	R&S	ENV216	DDT-ZC00586	2024-07-09	2025-07-08
3	Pulse Limiter	R&S	KH43101	DDT-ZC00747	2024-04-23	2025-04-22
Testing Software: EMC-I_V1.4.0.3_SKET						

Radiated Emission						
No.	Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
1	EMI Test Receiver	R&S	ESU8	DDT-ZC00514	2024-06-29	2025-06-28
2	Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC00522	2024-07-12	2025-07-11
3	Preamplifier	COM-POWER	PAM-118A	DDT-ZC01489	2024-07-09	2025-07-08
Testing Software: EMC-I_V1.4.0.3_SKET						

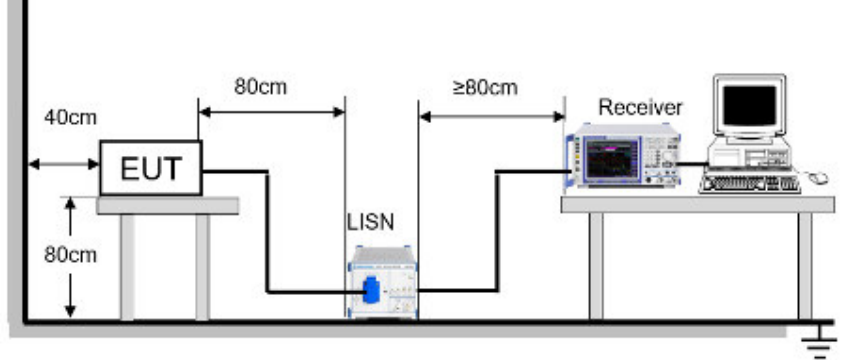
RE Loop test						
No.	Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
1	EMI Test Receiver	R&S	ESCI/E3	DDT-ZC01297	2024-07-09	2025-07-08
2	RF Cable	Yuhu Technology	Z806-NJ-NJ-6M	DDT-ZC02004	2024-07-09	2025-07-08
3	Triple loop Antenna	Everfine	LLA-2	DDT-ZC00526	2024-07-10	2025-07-09
Testing Software: EMC-I_V1.4.0.3_SKET						

6 ELECTROMAGNETIC COMPATIBILITY (EMC)

6.1 ELECTROMAGNETIC INTERFERENCE (EMI)

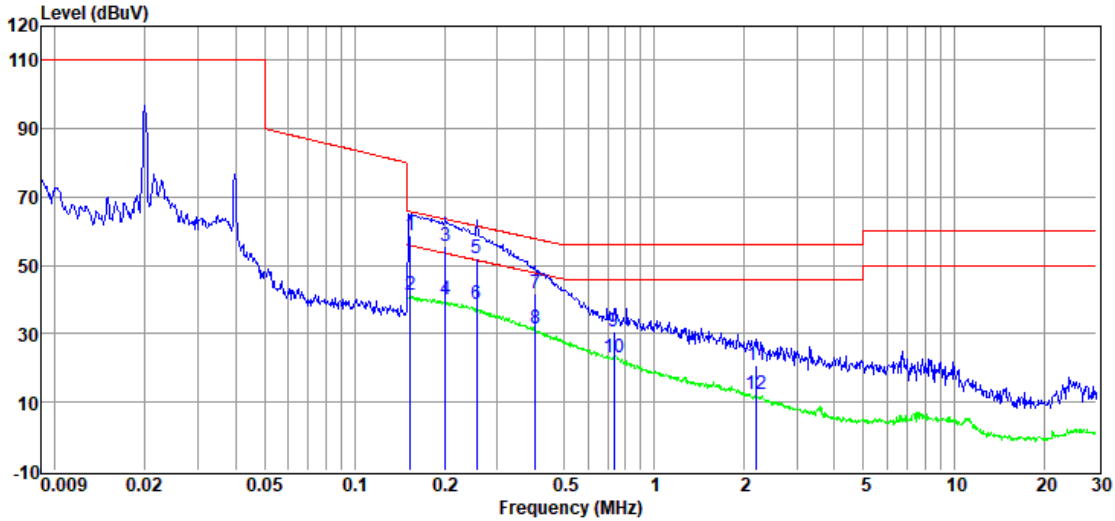
6.1.1 CONDUCTED EMISSION

Test Method:	CISPR 15:2013 + JAPANESE DIFFERENCES (CISPRJ 15 H27)																																											
Detector:	Peak for pre-scan (200 Hz & 9kHz Resolution Bandwidth)																																											
	Quasi-Peak if maximized peak within 6dB of Quasi-Peak limit																																											
EUT Operation:																																												
Ambient:	Temp.: 21.5°C Humid.: 53.2% Press: 101.4kPa																																											
Test Mode:	1																																											
Test Status:	For Main: 200V,60Hz & 200V, 50Hz Pre-scan was performed with peak detected on AC ports, Quasi-peak & average measurements were performed at the frequencies at which maximum peak emission level were detected. Please see the attached Quasi-peak and Average test results.																																											
Limit:	Limits for conducted disturbance at the mains ports <table border="1" data-bbox="522 913 1372 1176"> <thead> <tr> <th rowspan="2">Frequency Range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.009-0.05</td> <td>110</td> <td>--</td> </tr> <tr> <td>0.05-0.15</td> <td>90 to 80⁽²⁾</td> <td>--</td> </tr> <tr> <td>0.15 to 0.50</td> <td>66 to 56⁽²⁾</td> <td>56 to 46⁽²⁾</td> </tr> <tr> <td>0.50 to 5</td> <td>56⁽³⁾</td> <td>46⁽³⁾</td> </tr> <tr> <td>5 to 30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>Note (1): At the transition frequency, the lower limit applies. Note (2) The limit decreases linearly with the logarithm of the frequency in the ranges 50 kHz to 150 kHz and 150 kHz to 0,5 MHz. Note(3): For electrodeless lamps and luminaires, the limit in the frequency range of 2,51 MHz to 3,0 MHz is 73 dB(μV) quasi-peak and 63 dB(μV) average.</p> Limits for conducted disturbance at the local wired ports <table border="1" data-bbox="522 1449 1372 1606"> <thead> <tr> <th rowspan="2">Frequency Range (MHz)</th> <th colspan="2">Limit (dBuA)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15 to 0.50</td> <td>40 to 30</td> <td>30 to 20</td> </tr> <tr> <td>0.50 to 30</td> <td>30</td> <td>20</td> </tr> </tbody> </table> <p>Note 1: At the transition frequency, the lower limit applies.</p> Limits for conducted disturbance at the wired ports <table border="1" data-bbox="522 1701 1372 1858"> <thead> <tr> <th rowspan="2">Frequency Range (MHz)</th> <th colspan="2">Limit (dBuA)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15 to 0.50</td> <td>40 to 30</td> <td>30 to 20</td> </tr> <tr> <td>0.50 to 30</td> <td>30</td> <td>20</td> </tr> </tbody> </table> <p>Note 1: The limits decrease linearly with the logarithm of the frequency</p>		Frequency Range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.009-0.05	110	--	0.05-0.15	90 to 80 ⁽²⁾	--	0.15 to 0.50	66 to 56 ⁽²⁾	56 to 46 ⁽²⁾	0.50 to 5	56 ⁽³⁾	46 ⁽³⁾	5 to 30	60	50	Frequency Range (MHz)	Limit (dBuA)		Quasi-peak	Average	0.15 to 0.50	40 to 30	30 to 20	0.50 to 30	30	20	Frequency Range (MHz)	Limit (dBuA)		Quasi-peak	Average	0.15 to 0.50	40 to 30	30 to 20	0.50 to 30	30	20
Frequency Range (MHz)	Limit (dBuV)																																											
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	<p>in the range 0,15 MHz to 0,5 MHz.</p> <p>Note 2; The voltage disturbance limits are derived for use with an Asymmetric Artificial Network (AAN) which presents a common mode (asymmetric mode) impedance of 150 Ω to the control terminal.</p>	
<p>Test Setup:</p>		
<p>Test Procedure:</p>	<ol style="list-style-type: none"> 1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 	

EUT : LED Flood Lamp Model Number : TTL-035-50-200V-1
 Power Supply : AC 200V/50Hz (worst case) Test Mode : Mode 1
 Condition : Normal LISN : ENV216 2#/NEUTRAL

Data: 4

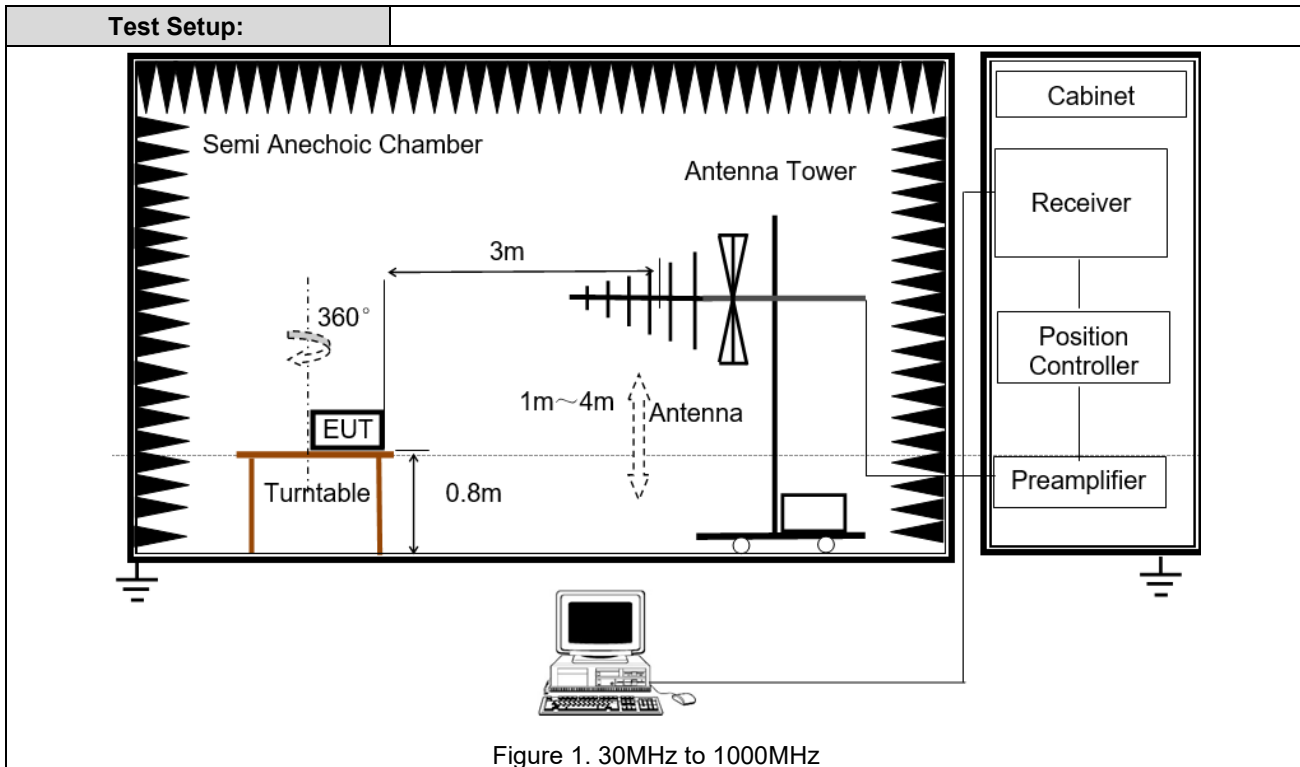


Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)		
1	0.15	39.17	9.78	0.07	9.83	58.85	65.82	-6.97	QP	NEUTRAL
2	0.15	21.52	9.78	0.07	9.83	41.20	55.82	-14.62	Average	NEUTRAL
3	0.20	36.10	9.76	0.06	9.83	55.75	63.58	-7.83	QP	NEUTRAL
4	0.20	20.42	9.76	0.06	9.83	40.07	53.58	-13.51	Average	NEUTRAL
5	0.26	32.63	9.76	0.06	9.83	52.28	61.56	-9.28	QP	NEUTRAL
6	0.26	19.05	9.76	0.06	9.83	38.70	51.56	-12.86	Average	NEUTRAL
7	0.40	22.07	9.77	0.09	9.83	41.76	57.81	-16.05	QP	NEUTRAL
8	0.40	11.94	9.77	0.09	9.83	31.63	47.81	-16.18	Average	NEUTRAL
9	0.74	11.07	9.75	0.06	9.84	30.72	56.00	-25.28	QP	NEUTRAL
10	0.74	3.35	9.75	0.06	9.84	23.00	46.00	-23.00	Average	NEUTRAL
11	2.20	1.18	9.77	0.11	9.84	20.90	56.00	-35.10	QP	NEUTRAL
12	2.20	-7.40	9.77	0.11	9.84	12.32	46.00	-33.68	Average	NEUTRAL

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

6.1.2 RADIATED EMISSION

Test Method:	CISPR 15:2013 + JAPANESE DIFFERENCES (CISPRJ 15 H27)			
EUT Operation:				
Ambient:	Temp.: 24°C Humid.: 61.6% Press: 100.1kPa			
Test Mode:	Mode 1			
Test Status:	Pre-scan was performed with peak detected on all ports, Quasi-peak measurements were performed at the frequencies at which maximum peak emission level were detected. Please see the attached Quasi-peak test results.			
Receive Setup:	Frequency range (MHz)	Detector	RBW	VBW
	30-1000	Quasi-peak	120kHz	300kHz
Limit:	Frequency	Limit(@3m)		Remark
	30MHz-230MHz	40dBuV/m		QP value
	230MHz-300MHz	47dBuV/m		QP value



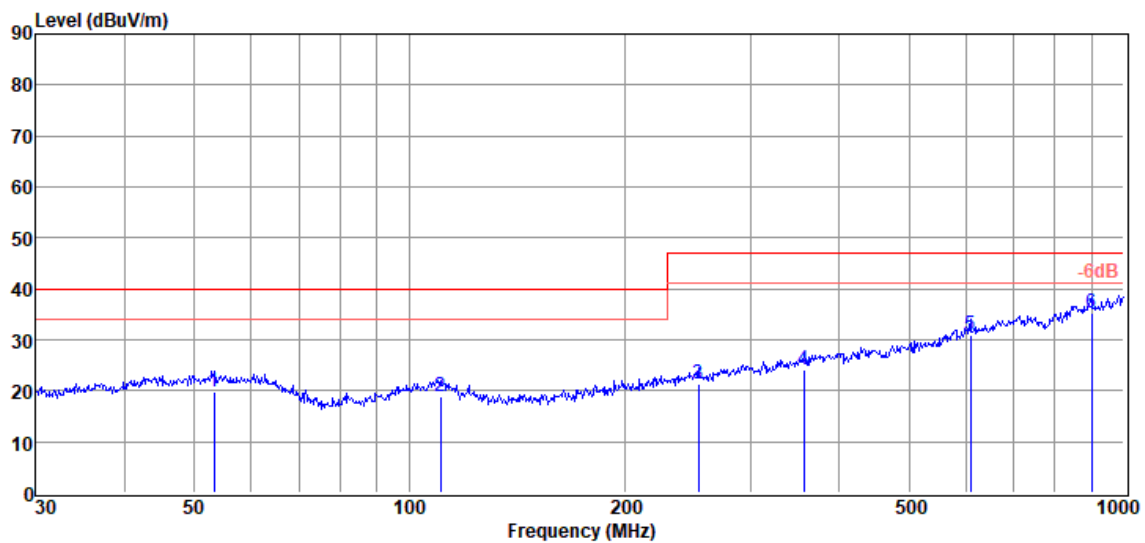
Test Procedure:	<ol style="list-style-type: none">1. From 30 MHz to 300MHz test procedure as below:<ol style="list-style-type: none">1) The radiated emissions were tested in a semi-anechoic chamber.2) The EUT is placed on a turntable, which is 0.8m above ground plane.3) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.4) EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.5) Maximum procedure was performed on the six highest emissions to ensure EUT compliance.6) And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.7) Repeat above procedures until the measurements for all frequencies are complete.
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Measurement Data:

30MHz ~ 300MHz

EUT : LED Flood Lamp **Model Number** : TTL-035-50-200V-1
Power Supply : AC 200V, 50Hz (worst case) **Test Mode** : Mode 1
Condition : Normal **Antenna/Distance** : VERTICAL
Memo :

Data: 9
Data:
1



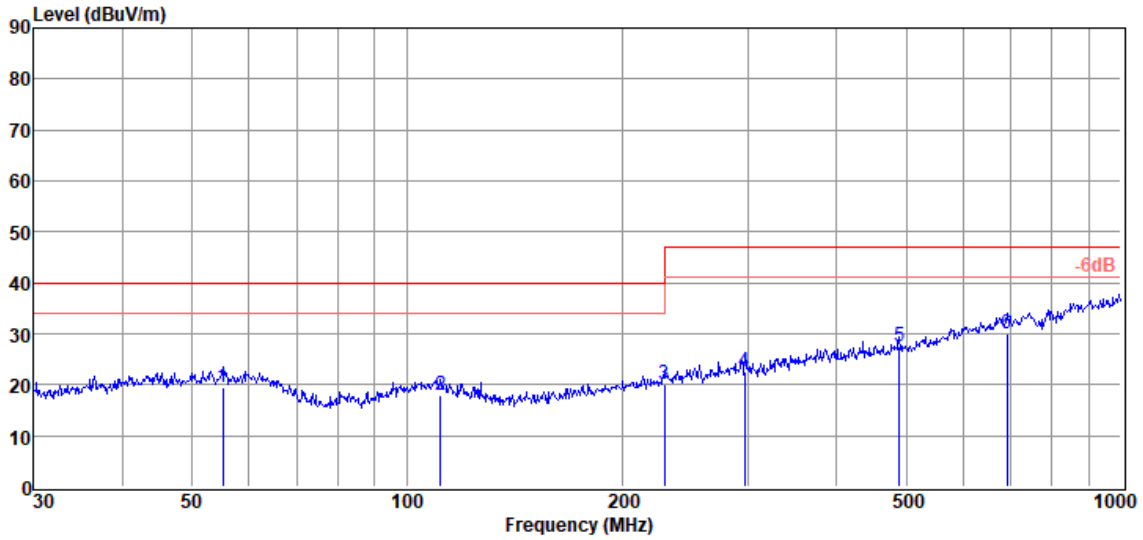
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	53.32	2.69	13.08	4.09	19.86	40.00	-20.14	QP	VERTICAL
2	110.57	2.77	11.72	4.46	18.95	40.00	-21.05	QP	VERTICAL
3	253.84	3.91	11.97	5.60	21.48	47.00	-25.52	QP	VERTICAL
4	356.68	3.13	14.83	6.16	24.12	47.00	-22.88	QP	VERTICAL
5	609.92	4.65	19.00	7.24	30.89	47.00	-16.11	QP	VERTICAL
6	900.15	4.54	22.10	8.68	35.32	47.00	-11.68	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT : LED Flood Lamp **Model Number** : TTL-035-50-200V-1
Power Supply : AC 200V, 50Hz (worst case) **Test Mode** : Mode 1
Condition : Normal **Antenna/Distance** : HORIZONTAL

Memo :

Data: 10
Data:
2

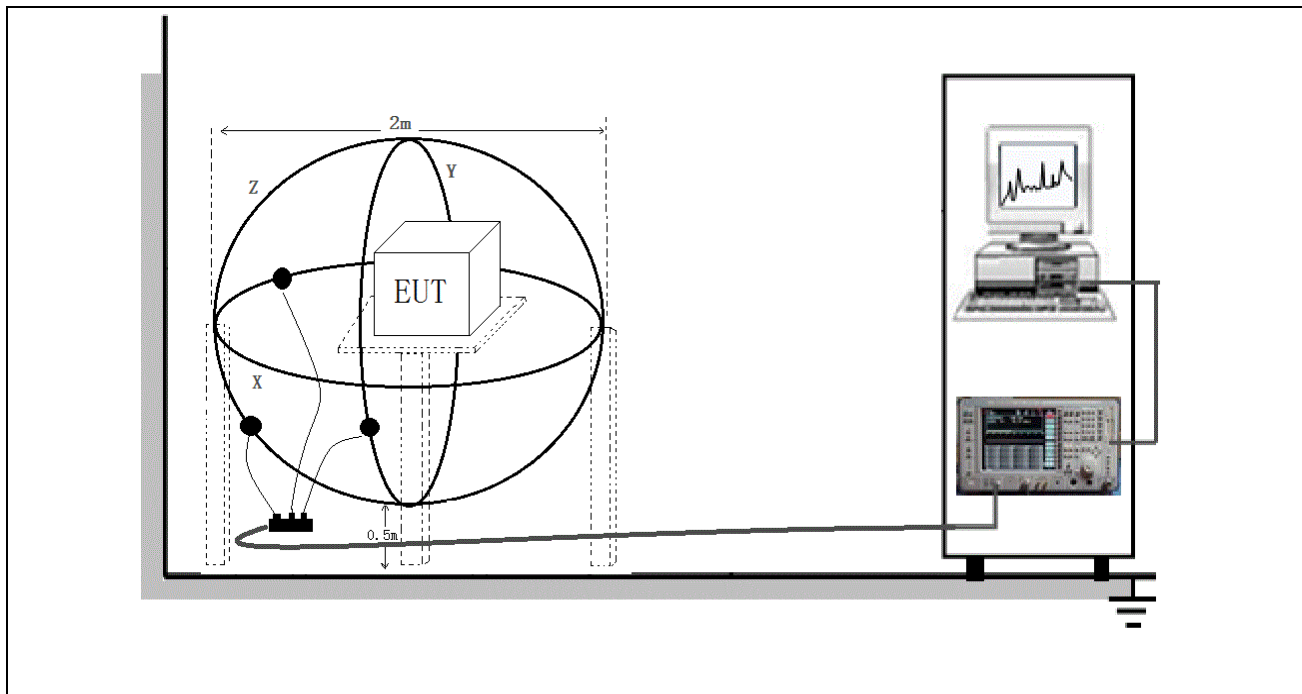


Item (Mark)	Freq. (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	55.22	2.23	13.12	4.11	19.46	40.00	-20.54	QP	HORIZONTAL
2	111.35	2.14	11.43	4.46	18.03	40.00	-21.97	QP	HORIZONTAL
3	229.29	3.02	11.49	5.44	19.95	40.00	-20.05	QP	HORIZONTAL
4	297.22	3.39	13.20	5.85	22.44	47.00	-24.56	QP	HORIZONTAL
5	489.03	4.12	16.52	6.77	27.41	47.00	-19.59	QP	HORIZONTAL
6	691.99	2.22	19.80	7.85	29.87	47.00	-17.13	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

6.1.3 RADIATED ELECTROMAGNETIC DISTURBANCES TEST

Test Method:	CISPR 15:2013 + JAPANESE DIFFERENCES (CISPRJ 15 H27)		
EUT Operation:			
Ambient:	Temp.: 21.5°C Humid.: 53.2% Press: 101.4kPa		
Test Mode:	Mode 1		
Test Status:	For Main: AC 200V, 50Hz & AC 200V, 60Hz Additional -- Pre-scan was performed with peak detected on all ports, Quasi-peak measurements were performed at the frequencies at which maximum peak emission level were detected. Please see the attached Quasi-peak test results.		
Receive Setup:	Frequency range (MHz)	Detector	RBW
	0.009-0.15	Quasi-peak	200Hz
	0.15-30	Quasi-peak	120kHz
Limit:	Table 2a		
	Frequency range	QP limits dB(μ A)	
	9 kHz to 70 kHz	88	
	70 kHz to 150 kHz	88 to 58 ⁽¹⁾	
	150 kHz to 3,0 MHz	58 to 22 ⁽¹⁾	
	3,0 MHz to 30 MHz	22	
(1) Decreasing linearly with the logarithm of the frequency. For electrodeless lamps and luminaires, the limit in the frequency range of 2,2 MHz to 3,0 MHz is 58 dB(μ A) for 2 m, 51 dB(μ A) for 3 m and 45 dB(μ A) for 4 m loop diameter. (2) Increasing linearly with the logarithm of the frequency.			
Test Setup:			

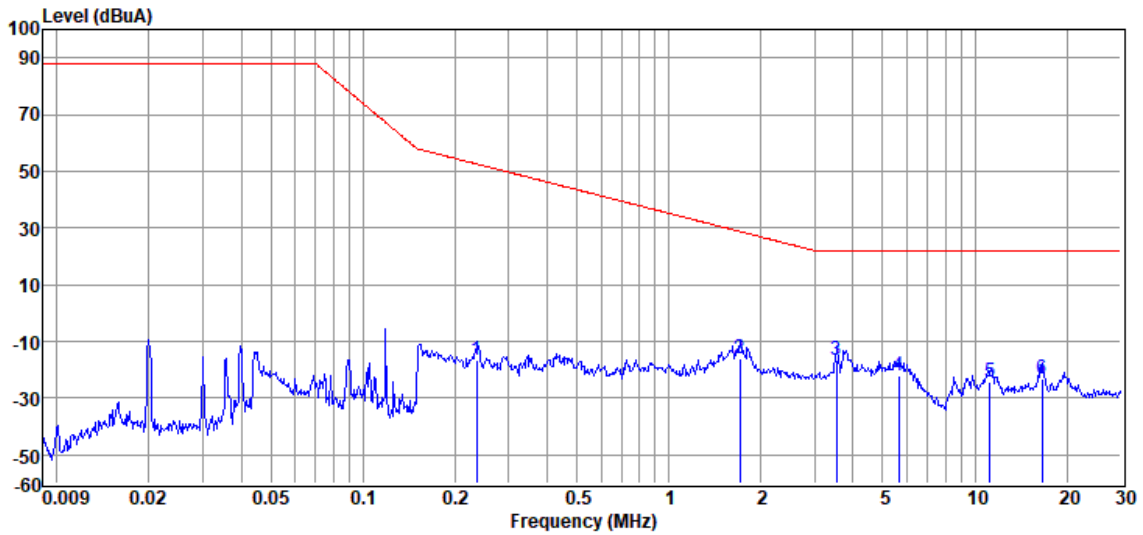

Test Procedure:

1. The magnetic component was measured by means of a loop antenna. The lighting equipment was placed in the centre of the antenna. The position of the mains lead was optimized for maximum current induction.
2. The induced current in the loop antenna was measured by means of a current probe (1 V/A) and the CISPR measuring receiver. During the measurements the EUT remains in a fixed position. By means of a coaxial switch, The currents in the three large loop antennas, originating from the three mutually orthogonal magnetic field components, were measured in sequence. Each value was fulfil the requirements given.
3. There were no special instructions for the supply wiring.
4. The distance between the outer perimeter of the Loop Antenna System and nearby objects, such as floor and walls, was at least 0.5 m.
5. To avoid unwanted capacitive coupling between the EUT and the Loop Antenna System, the maximum dimensions of the EUT allowed a distance of at least 0.20 m between the EUT and the standardized 2 m large loop antennas of the Loop Antenna System.

Measurement Data:

EUT : LED Flood Lamp **Model Number** : TTL-035-50-200V-1
Power Supply : AC 200V, 50Hz (worst case) **Test Mode** : Mode 1
Condition : Normal **Antenna** : LLA-2
Memo : Z

Data: 4

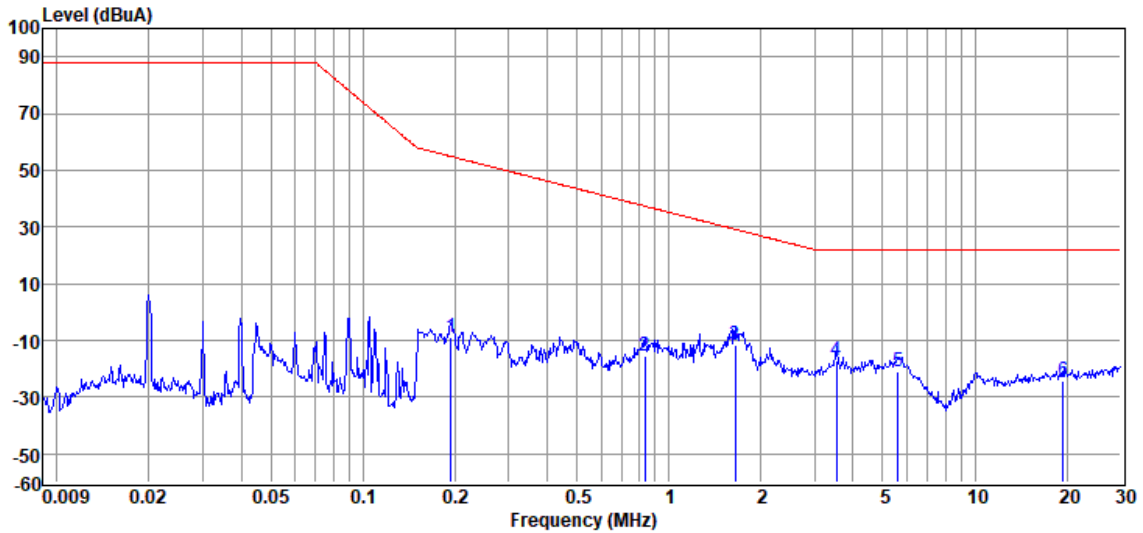


Item (Mark)	Freq. (MHz)	Read Level (dBuA)	Cable Loss (dB)	Antenna Factor (dB/m)	Result Level (dBuA)	Limit Line (dBuA)	Over Limit (dB)	Detector
1	0.24	-37.34	0.06	20.97	-16.31	52.59	-68.90	QP
2	1.71	-37.61	0.11	21.27	-16.23	28.78	-45.01	QP
3	3.53	-38.79	0.10	21.86	-16.83	22.00	-38.83	QP
4	5.65	-44.80	0.12	22.85	-21.83	22.00	-43.83	QP
5	11.20	-42.04	0.22	17.40	-24.42	22.00	-46.42	QP
6	16.57	-40.90	0.25	17.74	-22.91	22.00	-44.91	QP

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. All emissions not reported below are too low against the prescribed limit.
 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

EUT : LED Flood Lamp **Model Number** : TTL-035-50-200V-1
Power Supply : AC 200V, 50Hz (worst case) **Test Mode** : Mode 1
Condition : Normal **Antenna** : LLA-2
Memo : Y

Data: 5

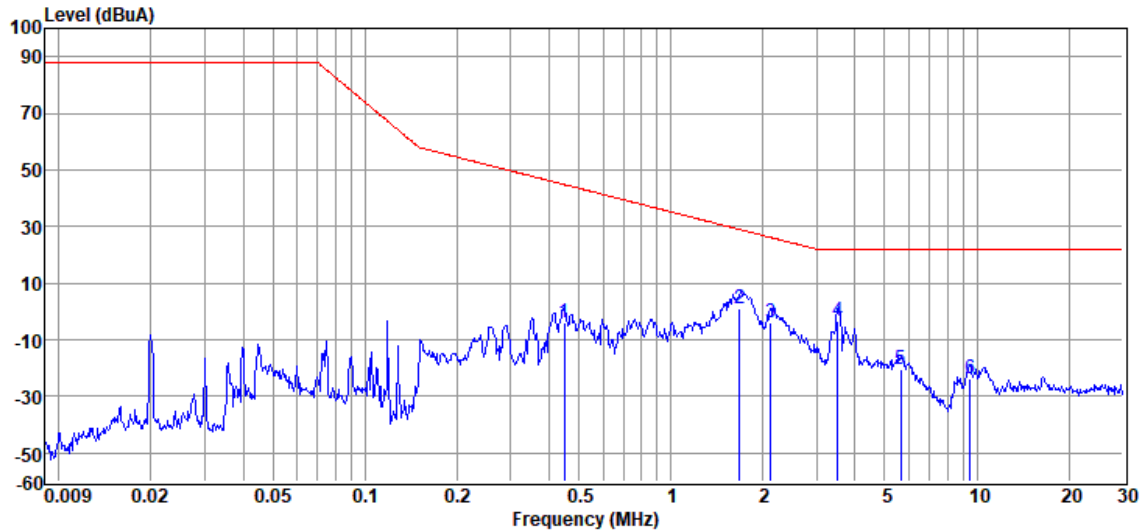


Item (Mark)	Freq. (MHz)	Read Level (dBuA)	Cable Loss (dB)	Antenna Factor (dB/m)	Result Level (dBuA)	Limit Line (dBuA)	Over Limit (dB)	Detector
1	0.19	-29.98	0.06	20.95	-8.97	54.94	-63.91	QP
2	0.83	-36.92	0.06	21.46	-15.40	37.37	-52.77	QP
3	1.65	-33.51	0.11	21.63	-11.77	29.22	-40.99	QP
4	3.53	-39.73	0.10	22.50	-17.13	22.00	-39.13	QP
5	5.62	-44.87	0.12	23.79	-20.96	22.00	-42.96	QP
6	19.43	-48.09	0.26	23.35	-24.48	22.00	-46.48	QP

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. All emissions not reported below are too low against the prescribed limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

EUT : LED Flood Lamp **Model Number** : TTL-035-50-200V-1
Power Supply : AC 200V, 50Hz (worst case) **Test Mode** : Mode 1
Condition : Normal **Antenna** : LLA-2
Memo : X

Data: 6



Item (Mark)	Freq. (MHz)	Read Level (dBμA)	Cable Loss (dB)	Antenna Factor (dB/m)	Result Level (dBμA)	Limit Line (dBμA)	Over Limit (dB)	Detector
1	0.45	-25.02	0.10	21.23	-3.69	44.82	-48.51	QP
2	1.68	-20.45	0.11	21.60	1.26	28.97	-27.71	QP
3	2.12	-25.84	0.11	21.63	-4.10	26.17	-30.27	QP
4	3.51	-25.34	0.10	21.92	-3.32	22.00	-25.32	QP
5	5.65	-43.11	0.12	22.85	-20.14	22.00	-42.14	QP
6	9.50	-39.22	0.20	15.42	-23.60	22.00	-45.60	QP

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. All emissions not reported below are too low against the prescribed limit.
 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

7 PHOTOGRAPHS OF EMC TEST CONFIGURATION & INTERNAL and EXTERNAL

7.1 RADIATED ELECTROMAGNETIC DISTURBANCES TEST SETUP



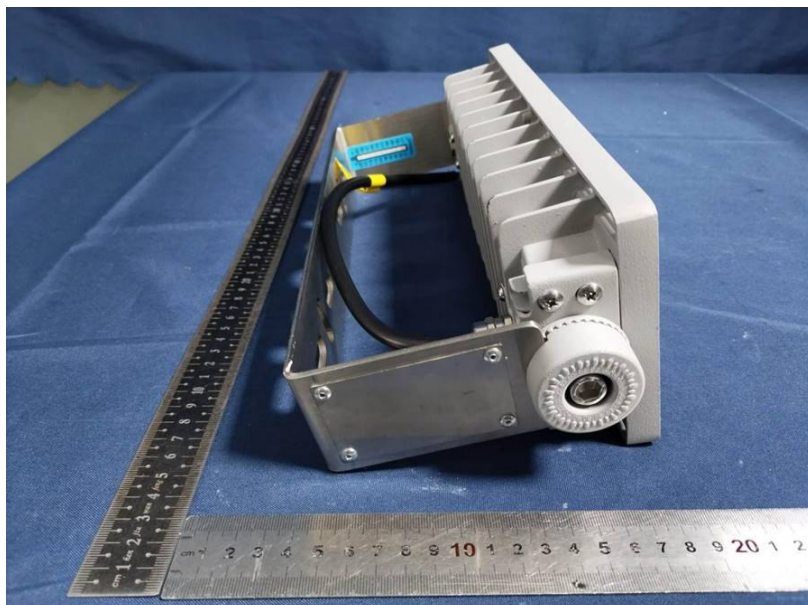
7.2 RADIATED EMISSION TEST SETUP

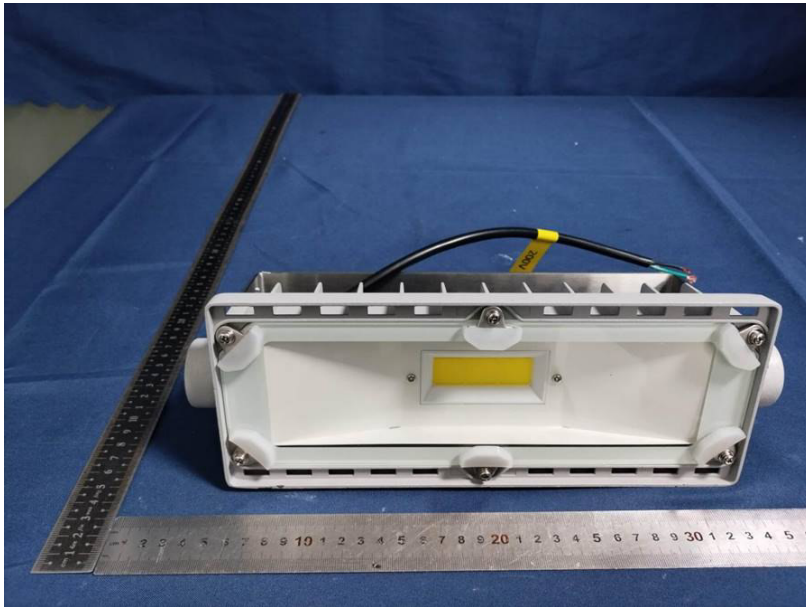
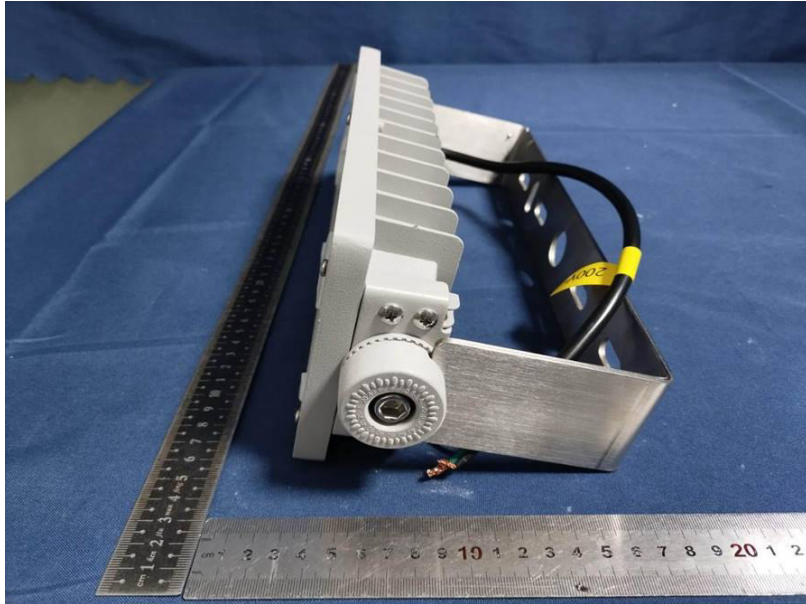


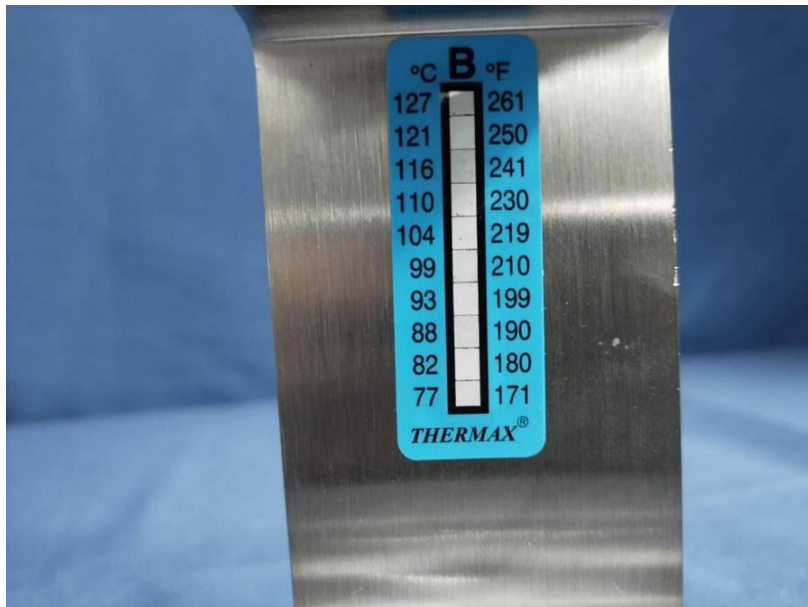
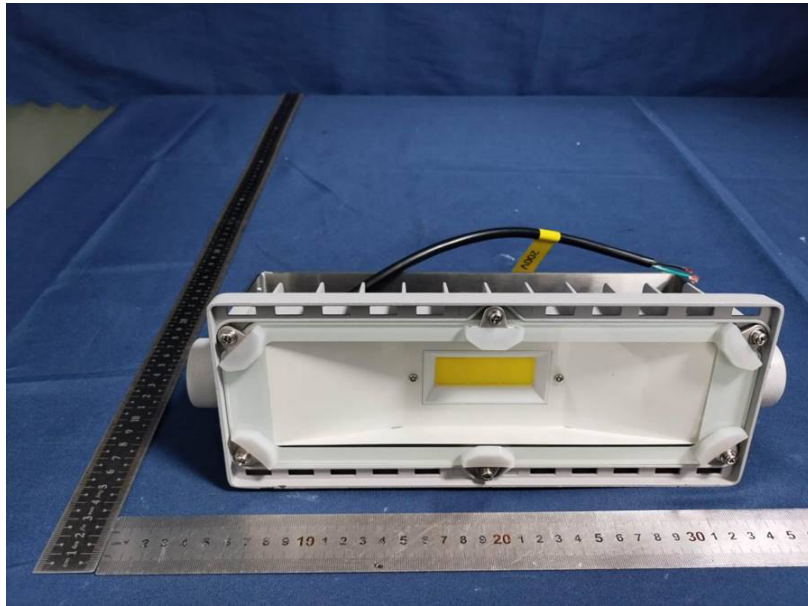
7.3 CONDUCTED EMISSION TEST SETUP



7.4 INTERNAL and EXTERNAL







END OF REPORT