PSE TEST REPORT

For

PLATA INC

LED Track Light

Test Model: led188cw

List Model No. : led188cw-bk, led188ww, led188ww-bk

Prepared for	:	PLATA INC
Address	:	〒542-0081 2-7-26-5F MINAMISENBA CHUO-KU Osala JAPAN
Prepared by	:	Shenzhen AOCE Electronic Technology Service Co., Ltd.
Address	:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Tel	:	(+86)755-85277785
Fax	:	(+86)755-23705230
Web	:	www.aoc-cert.com
Mail	:	postmaster@aoc-cert.com
Date of receipt of test sample	:	April 15, 2025
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	April 15, 2025 ~ April 25, 2025
Date of Report	:	April 25, 2025

PSE TEST REPORT

J55015 (H29)

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

Report Reference No.....:	**AOC250425103E**
Date Of Issue.....:	April 25, 2025
Testing Laboratory Name.....:	**Shenzhen AOCE Electronic Technology Service Co., Ltd.**
Address.....:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Testing Location/ Procedure....:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name.....:	**PLATA INC**
Address.....:	〒542-0081 2-7-26-5F MINAMISENBA CHUO-KU Osala JAPAN
Test Specification:	
Standard.....:	J55015 (H29)
Test Report Form No.....:	AOCEEMC-1.0
TRF Originator.....:	Shenzhen AOCE Electronic Technology Service Co., Ltd.
Master TRF.....:	Dated 2016-08

Test Item Description..... :	**LED Track Light**
Trade Mark.....:	PLATA
Test Model.....:	led188cw
Power Supply.....:	AC 85-265V, 50/60Hz, 12.4W
Results ..... :	**PASS**

Compiled by:	**Supervised by:**	**Approved by:**
David Liu	Kevin Huang	Jackson Fang
David Liu / File administrators	Kevin Huang / Technique principal	Jackson Fang / Manager

PSE - TEST REPORT

Test Report No. : **AOC250425103E**	April 25, 2025 Date of issue

EUT.....:	LED Track Light
Test Model.....:	led188cw
Applicant.....:	**PLATA INC**
Address.....:	〒542-0081 2-7-26-5F MINAMISENBA CHUO-KU Osala JAPAN
Telephone.....:	/
Fax.....:	/
Manufacturer.....:	**DongGuan HongRun Electrical Co.,LTD**
Address.....:	15, xingsheng road, Huangniupu village, Huangjiang Town,DongGuan City. GuangDong. CHINA
Telephone.....:	/
Fax.....:	/
Factory.....:	**DongGuan HongRun Electrical Co.,LTD**
Address.....:	15, xingsheng road, Huangniupu village, Huangjiang Town,DongGuan City. GuangDong. CHINA
Telephone.....:	/
Fax.....:	/

Test Result according to the standards on page 6: **PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

TABLE OF CONTENTS

1. REPORT INFORMATION DESCRIPTION

1.1 Summary of Standards and Results

1.1.1 Description of Standards and Results

EMISSION (CISPR 15: 2013+A1: 2015)			
Description of Test Item	Test Standard	Limits	Results
Conducted Disturbance at Mains Terminals	J55015 (H29)	--------	PASS
Conducted Disturbance at Load Terminals	J55015 (H29)	--------	N/A
Conducted Disturbance at Control Terminals	J55015 (H29)	--------	N/A
Radiated Disturbance (9kHz to 30MHz)	J55015 (H29)	--------	PASS
Radiated Disturbance (30MHz to 300MHz)	J55015 (H29)	--------	PASS
Note：N/A is an abbreviation for Not Applicable.			

1.2 Product Information

1.2.1 Electrical parameter description

EUT : LED Track Light

Trade Mark : PLATA

Test Model : led188cw

List Model No. : led188cw-bk, led188ww, led188ww-bk

Power Supply : AC 85-265V, 50/60Hz, 12.4W

1.2.2 Test Modes

Lighting : EUT was test with power on, to get the status 'Lighting'

1.2.3 Test Auxiliary Equipment

Configuration	Model	Rating	Manufacturer
/	/	/	/

1.3 Description of Test Facility

EMC Lab. :

Test Facilities : Shenzhen AOCE Electronic Technology Service Co., Ltd.
Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China.

2. STATEMENT OF THE MEASUREMENT UNCERTAINTY

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the AOCE quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U_{cispr})
Conducted Disturbance	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 1.40 dB ± 2.80 dB	± 4.0 dB ± 3.6 dB
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 3.46 dB	N/A
Radiated Disturbance	Level accuracy (9kHz to 30MHz)	± 3.12 dB	N/A
Radiated Disturbance	Level accuracy (30MHz to 200MHz)	± 4.66 dB	± 5.2 dB
Radiated Disturbance	Level accuracy (200MHz to 1000MHz)	± 4.64 dB	± 5.0 dB

(1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

(2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

3. MEASURING DEVICES AND TEST EQUIPMENT

Conducted Disturbance

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	101142	2024-04-13
2	10dB Attenuator	SCHWARZBECK	MTS-IMP136	261115-001-0032	2024-04-13
3	Artificial Mains	ROHDE & SCHWARZ	ENV216	101288	2024-04-13
4	EMI Test Software	AUDIX	E3	N/A	N/A

Radiated Disturbance(9kHz to 30MHz)

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	R&S	ESR 7	101181	2024-04-13
2	Triple-loop Antenna	EVERFINE	LLA-2	9161	2024-04-13
3	EMI Test Software	AUDIX	E3	/	N/A

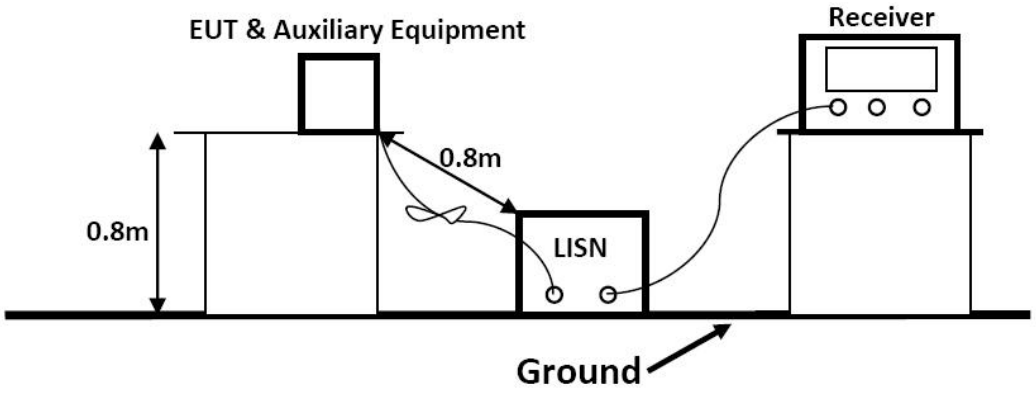
Radiated Disturbance(30MHz to 300MHz)

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Software	AUDIX	E3	/	N/A
2	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-04-13
3	Positioning Controller	MF	MF-7082	/	2024-04-13
4	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-04-13
5	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-04-13
6	EMI Test Receiver	R&S	ESR 7	101181	2024-04-13
7	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-04-13
8	AMPLIFIER	QuieTek	QTK	CHM/0809065	2024-04-13
9	RF Cable-R03m	Jye Bao	RG142	CB021	2024-04-13
10	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2024-04-13

4. TEST DETAILS

4.1 Conducted Disturbance at Mains Terminals

4.1.1 Block Diagram of Test Setup



4.1.2 Test Standard

J55015 (H29)

4.1.3 Limits

Disturbance voltage limits at the Mains Terminals		
Frequency range	Limits (dBμV)	
	Quasi-peak	Average
9kHz to 50kHz	110	--
50kHz to 150kHz	90 ~ 80*	--
150kHz to 0.5MHz	66 ~ 56*	56 ~ 46*
0.5MHz to 5.0MHz	56	46
5.0MHz to 30MHz	60	50

1. At the transition frequency the lower limit applies.
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.

4.1.4 EUT Configuration on Test

The configuration of the EUT is same as Section 3

4.1.5 Test Procedure Description

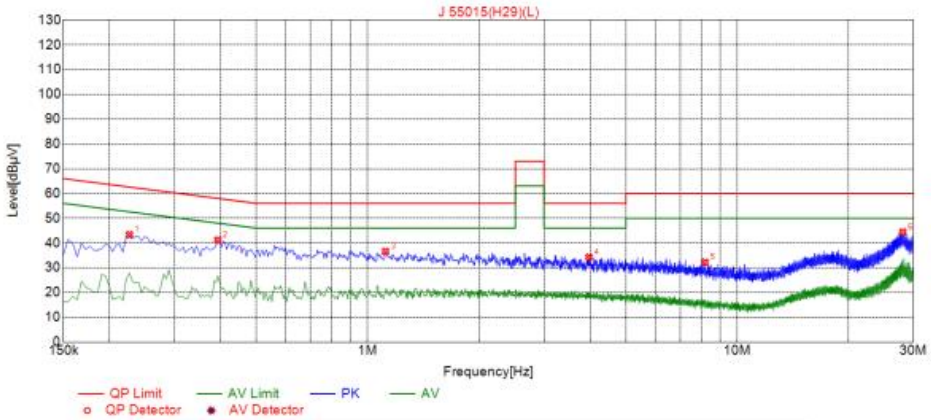
The EUT is put on the table which is 0.8 meter high above the ground and connected to the AC mains through a Line Impedance Stabilization Network (L.I.S.N.). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission according to the CISPR 15 regulations during conducted emission measurement. And the voltage probe had been used for the load terminals measurement according to the CISPR 15 standard.

The bandwidth of the test receiver is set at 200Hz in 9k~150kHz range and 9kHz in 150k~30MHz range.

4.1.6 Test Results: PASS

Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	Line
Detailed results are shown below	

Test Graph

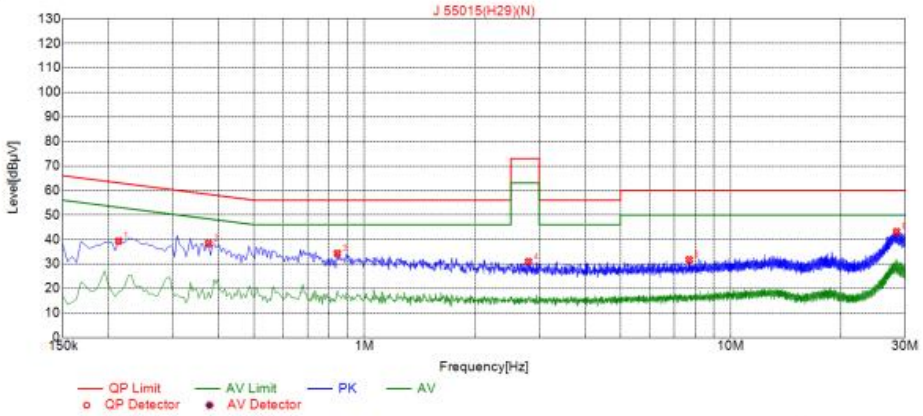


Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.2265	43.33	19.83	62.58	19.25	23.50	PK	L
2	0.3930	41.13	19.84	58.00	16.87	21.29	PK	L
3	1.1175	36.56	19.81	56.00	19.44	16.75	PK	L
4	3.9705	34.22	20.35	56.00	21.78	13.87	PK	L
5	8.1860	32.18	20.69	60.00	27.82	11.49	PK	L
6	28.0805	44.39	25.10	60.00	15.61	19.29	PK	L

Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	Neutral
Detailed results are shown below	

Test Graph



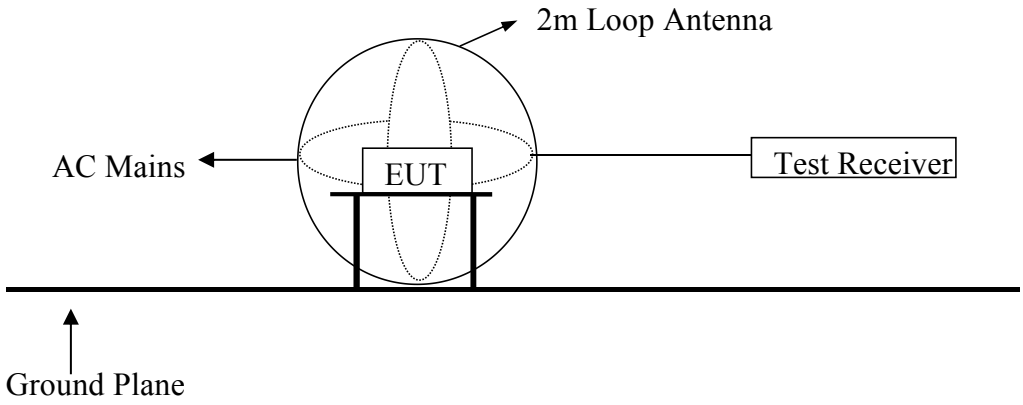
Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.2130	39.29	19.65	63.09	23.80	19.64	PK	N
2	0.3750	38.28	19.71	58.39	20.11	18.57	PK	N
3	0.8430	34.33	19.76	56.00	21.67	14.57	PK	N
4	2.8050	30.94	20.05	73.00	42.06	10.89	PK	N
5	7.7090	31.71	20.61	60.00	28.29	11.10	PK	N
6	28.4000	43.15	25.11	60.00	16.85	18.04	PK	N

Remark: Margin = Limit – Level
Correction factor = Cable lose + LISN insertion loss
Level=Test receiver reading + correction factor

4.2 Radiated Disturbance（9kHz to 30MHz）

4.2.1 Block Diagram of Test Setup



4.2.2 Test Standard

J55015 (H29)

4.2.3 Limits

Radiated Disturbance limits (9KHz-30MHz)	
Frequency range	Limits for loop diameter (dBμA)
	2m
9kHz to 70kHz	88
70kHz to 150kHz	88 to 58*
150kHz to 3.0MHz	58 to 22*
3.0MHz to 30MHz	22

1. At the transition frequency the lower limit applies.
2.* Decreasing linearly with logarithm of the frequency.

4.2.4 EUT Configuration on Test

The configuration of the EUT is same as Section 3

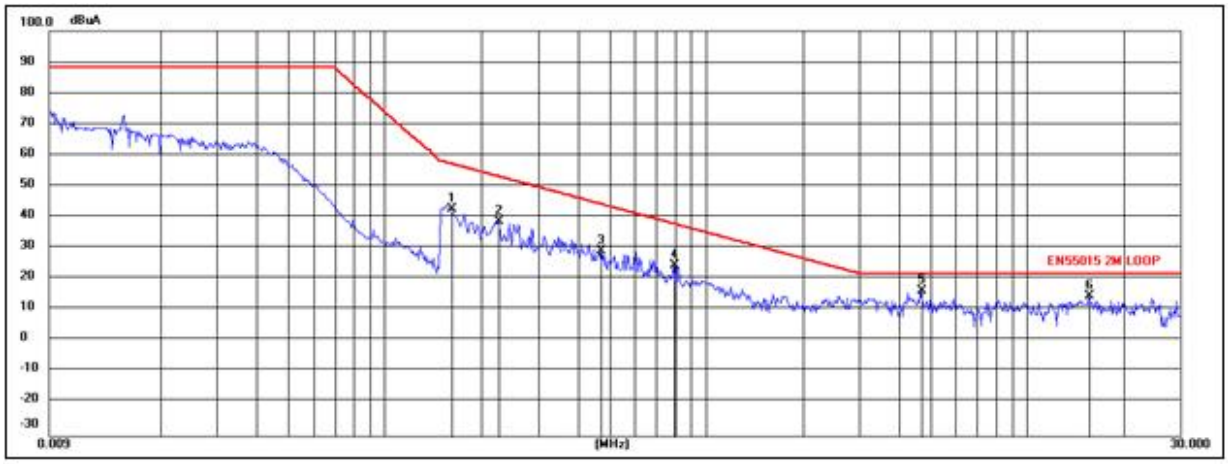
4.2.5 Test Procedure

The EUT is placed on a wood table in the center of a loop antenna. The induced current in the loop antenna is measured by means of a current probe and the test receiver. Three field components are checked by means of a coaxial switch.

The frequency range from 9kHz to 30MHz is investigated. The receiver is measured with the quasi-peak detector. For frequency band 9kHz to 150kHz, the bandwidth of the field strength meter is set at 200Hz. For frequency band 150kHz to 30MHz, the bandwidth is set at 9kHz.

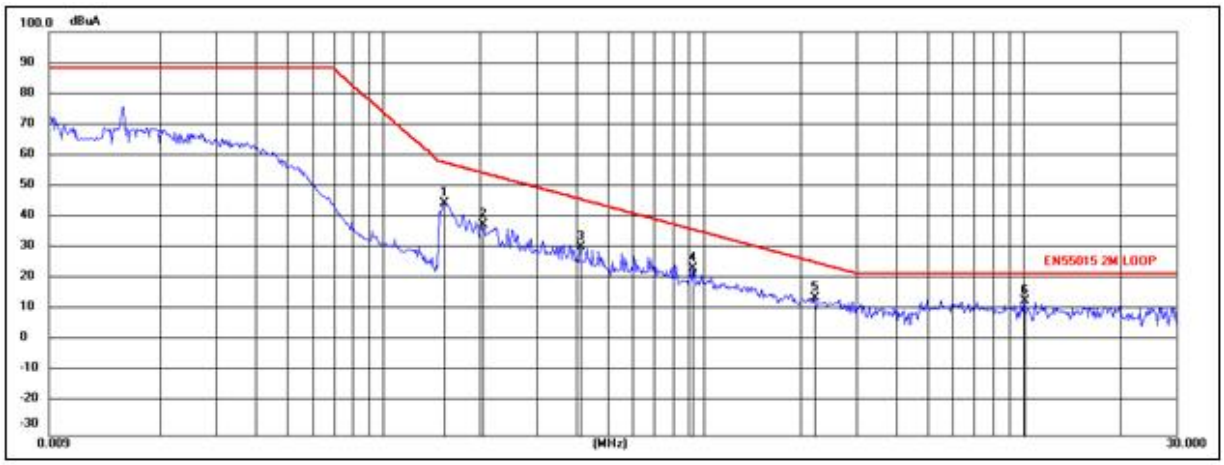
4.2.6 Test Results: PASS

Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	X
Detailed results are shown below	



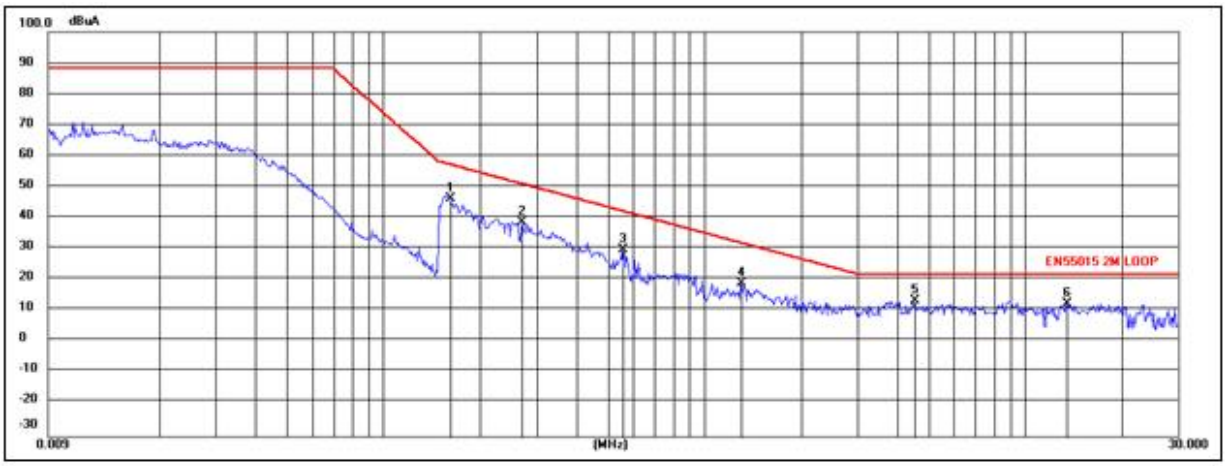
No.	Frequency (MHz)	Reading (dBuA)	Correct (dB)	Result (dBuA)	Limit (dBuA)	Margin (dB)	Remark
1	0.1615	32.48	10.42	42.90	57.11	-14.21	QP
2	0.2265	28.23	10.58	38.81	53.05	-14.24	QP
3	0.4696	19.47	9.91	29.38	44.29	-14.91	QP
4	0.7980	15.33	9.52	24.85	37.91	-13.06	QP
5	4.6859	11.49	5.08	16.57	22.00	-5.43	QP
6	15.6706	9.50	5.38	14.88	22.00	-7.12	QP

Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	Y
Detailed results are shown below	



No.	Frequency (MHz)	Reading (dBuA)	Correct (dB)	Result (dBuA)	Limit (dBuA)	Margin (dB)	Remark
1	0.1544	34.47	10.38	44.85	57.65	-12.80	QP
2	0.2038	27.19	10.67	37.86	54.32	-16.46	QP
3	0.4111	20.75	9.94	30.69	45.88	-15.19	QP
4	0.9193	15.48	8.29	23.77	36.21	-12.44	QP
5	2.2244	5.83	8.49	14.32	25.59	-11.27	QP
6	10.0456	7.95	5.54	13.49	22.00	-8.51	QP

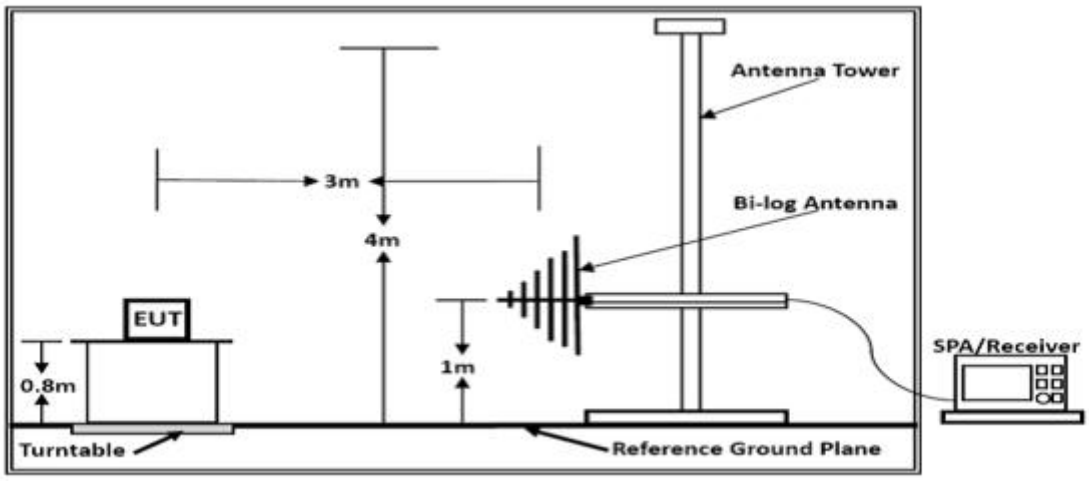
Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	Z
Detailed results are shown below	



No.	Frequency (MHz)	Reading (dBuA)	Correct (dB)	Result (dBuA)	Limit (dBuA)	Margin (dB)	Remark
1	0.1615	35.98	10.42	46.40	57.11	-10.71	QP
2	0.2714	28.66	10.41	39.07	50.87	-11.80	QP
3	0.5550	20.79	9.40	30.19	42.28	-12.09	QP
4	1.3064	11.25	7.97	19.22	31.99	-12.77	QP
5	4.5106	8.43	5.31	13.74	22.00	-8.26	QP
6	13.5106	7.73	5.02	12.75	22.00	-9.25	QP

4.3 Radiated Disturbance（30MHz to 300MHz）

4.3.1 Block Diagram of Test Setup



4.3.2 Test Standard

J55015 (H29)

4.3.3 Limits

Radiated Disturbance Limits at a measuring distance of 3m (30MHz-300MHz)	
Frequency range（MHz）	Quasi-Peak Limits(dBμV/m)
30 ~ 230	40
230 ~ 300	47

1, At the transition frequency, the lower limit applies.
2, Distance refers to the distance in meters between the measuring instrument antenna geometric center and the closed point of any part of the EUT.

4.3.4 EUT Configuration on Test

The configuration of the EUT is same as Section 3.
The CISPR 15 regulations test method must be used to find the maximum emission during radiated emission measurement.

4.3.5 Test Procedure

The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna (calibrated by Dipole Antenna) is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

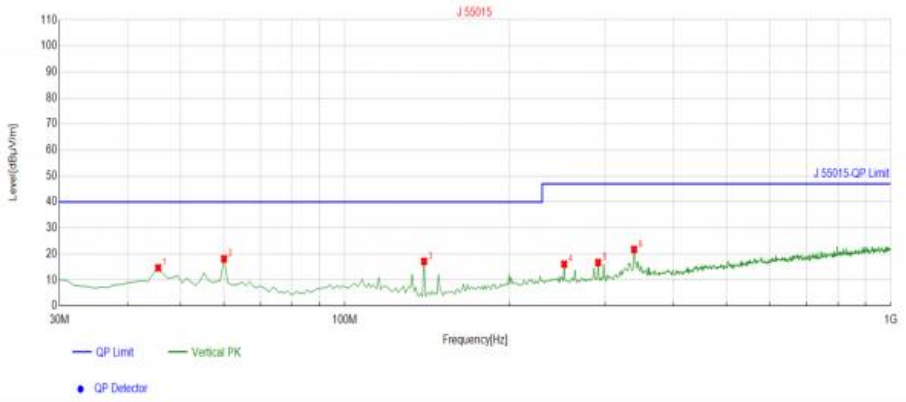
The bandwidth of the Receiver is set at 120kHz； The frequency range from 30MHz to 300MHz is investigated.

4.3.6 Test Results: PASS

The test result please refer to the next page.

Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	Vertical
Detailed results are shown below	

Test Graph

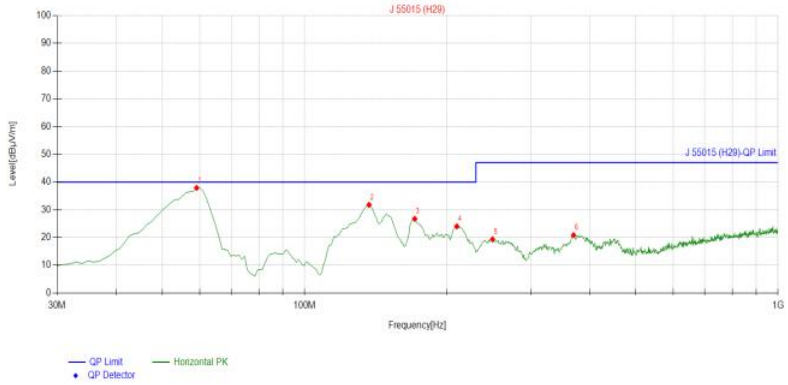


Suspected List

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.5355	-13.65	28.31	14.66	40.00	25.34	100	151	Vertical
2	60.1001	-15.19	33.34	18.15	40.00	21.85	100	84	Vertical
3	139.7197	-19.16	36.31	17.15	40.00	22.85	100	40	Vertical
4	252.3524	-13.42	29.53	16.11	47.00	30.89	100	139	Vertical
5	291.1912	-12.83	29.54	16.71	47.00	30.29	100	337	Vertical
6	338.7688	-11.63	33.38	21.75	47.00	25.25	100	155	Vertical

Environmental Conditions:	25℃, 60% RH
Test Voltage:	AC 100V,60Hz
Test Model:	led188cw
Test Mode:	Lighting
Test Engineer:	Andy
Pol:	Horizontal
Detailed results are shown below	

Test Graph



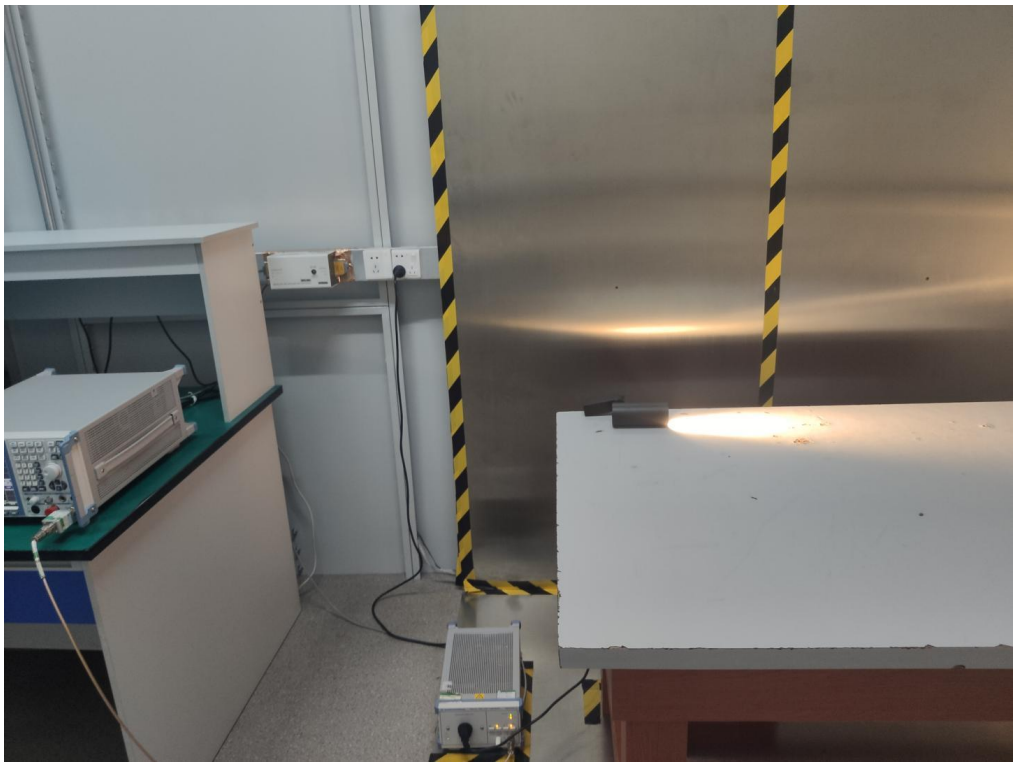
Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-18.18	56.07	37.89	40.00	2.11	100	269	Horizontal
2	136.80680	-17.94	49.71	31.77	40.00	8.23	100	272	Horizontal
3	170.79079	-17.36	44.09	26.73	40.00	13.27	100	295	Horizontal
4	209.62963	-20.98	45.00	24.02	40.00	15.98	100	71	Horizontal
5	249.43943	-19.32	38.68	19.36	47.00	27.64	100	57	Horizontal
6	369.83984	-15.87	36.73	20.86	47.00	26.14	100	57	Horizontal

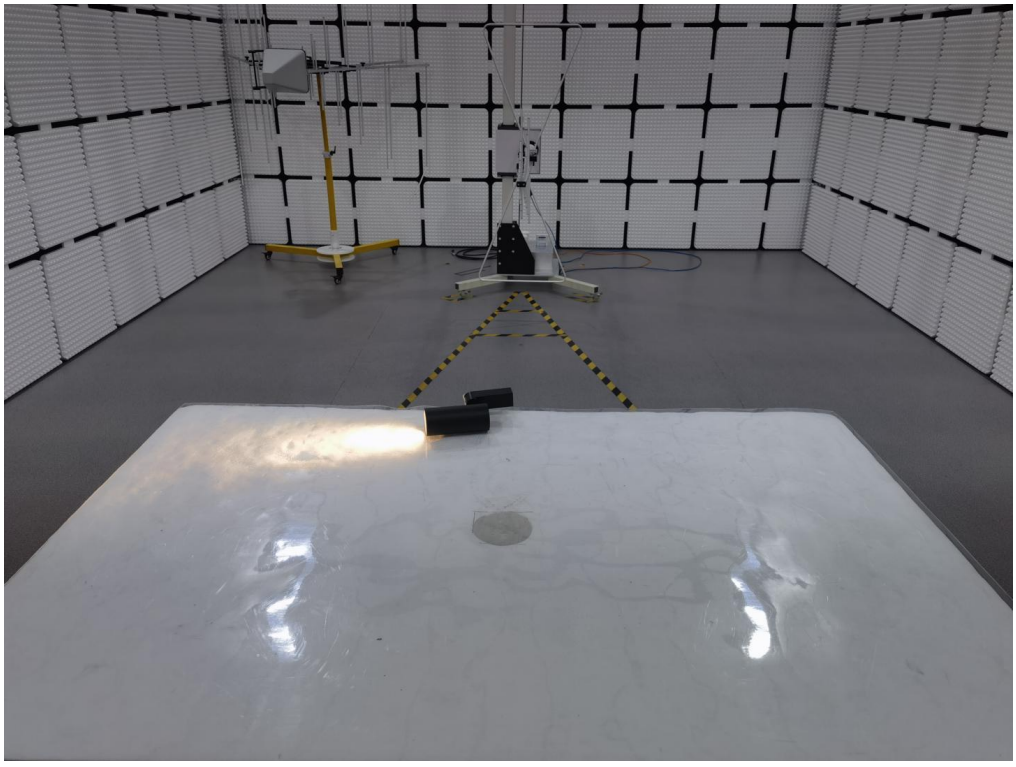
Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

5. TEST PHOTOGRAPH

5.1 Photo of Conducted Disturbance at Mains Terminals



5.2 Photo of Radiated Disturbance(30MHz to 300MHz)



6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

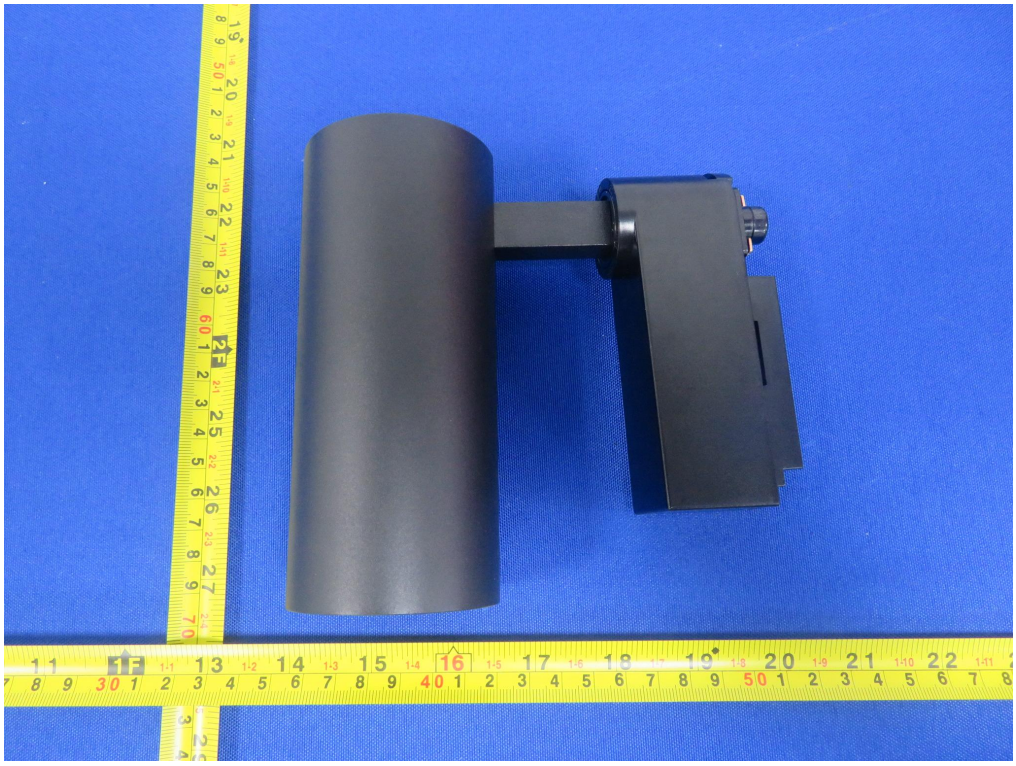


Fig.1

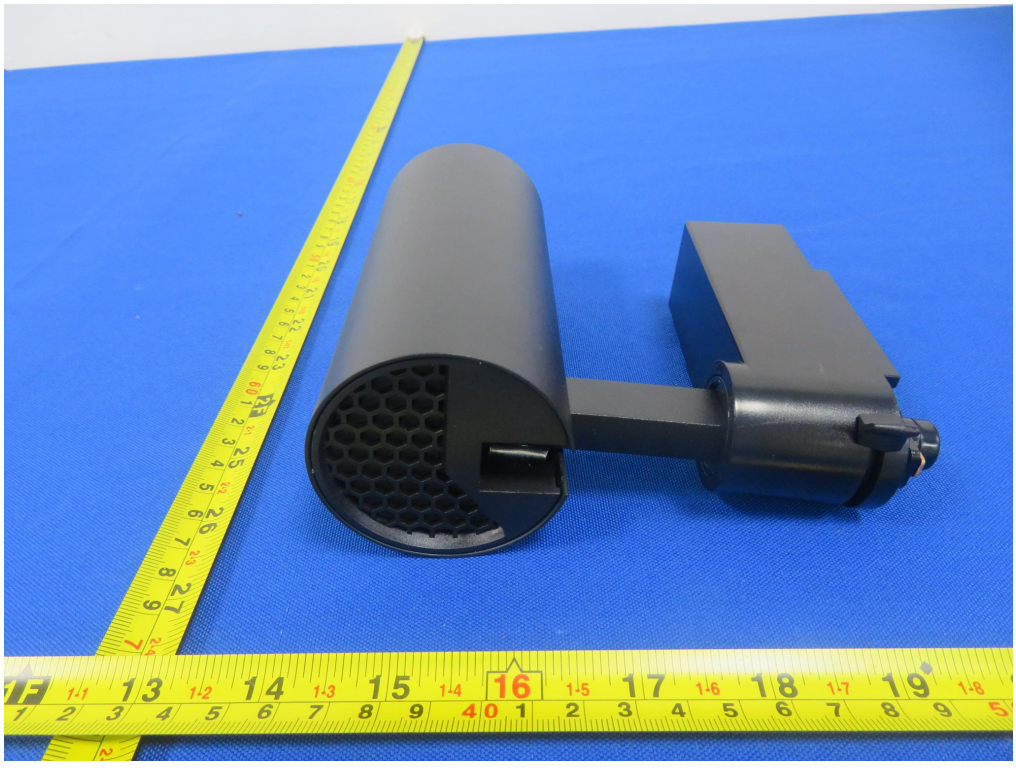


Fig.2

Fig.3

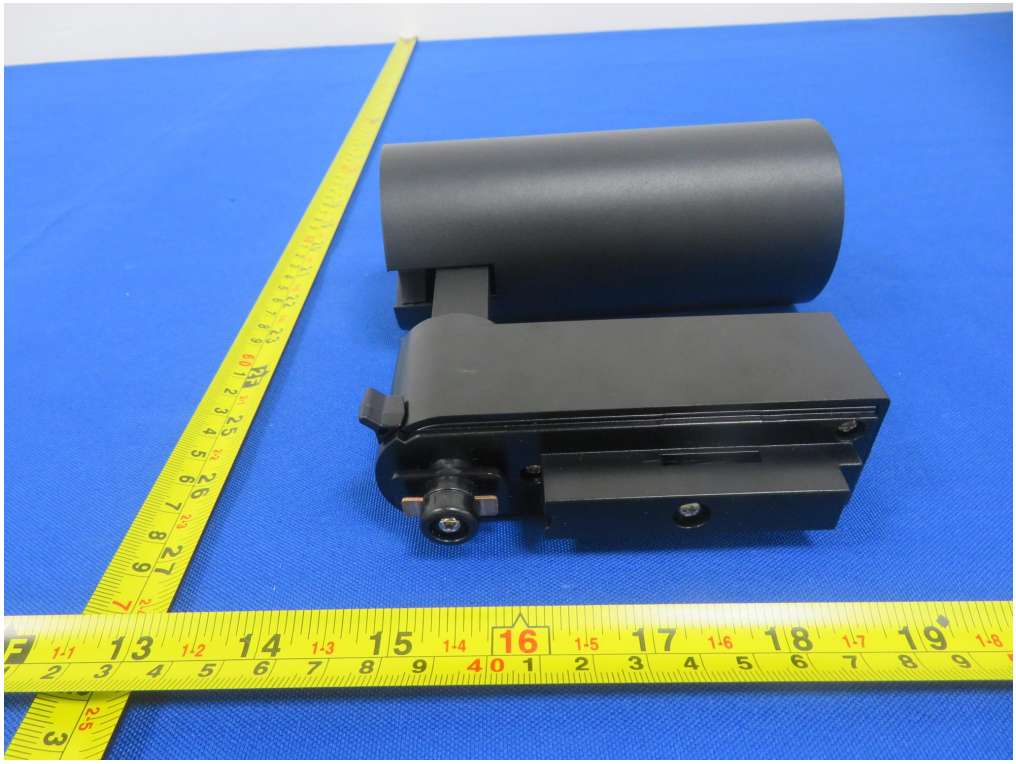


Fig.4

Fig.5

----------THE END OF TEST REPORT----------