

Test Report

Report No.:RKEYS260115041

Date: Jan. 29, 2026

Page 1 of 49

EMC TEST REPORT

For

Product:LED FLOODLIGHT

Model:VT-44209CCT(Additional models are as page 2)

Report No.:RKEYS260115041

Issued for

V-TAC EXPORTS LIMITED

**FLAT/RM D-2 7/F WING CHEONG COMMERCIAL BLDG 19-25 JERVOIS STREET
SHEUNG WAN HK**

Issued by

Guangdong KEYS Testing Technology Co.,Ltd.

**Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong,
China**



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Additional models:

VT-44107CCT,VT-44056CCT,VT-44036CCT,VT-44030CCT,VT-44050CCT,
VT-44100CCT,VT-44011CCT,VT-44021CCT,VT-44031CCT,VT-44051CCT,
VT-44101CCT,VT-14155,VT-44211,VT-44012,VT-44208,VT-44109,
VT-44022,VT-44054,VT-44037,VT-44110CC,VT-44014CCT,VT-44058CCT

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1. TEST CERTIFICATION

Product: LED FLOODLIGHT

Trade mark: V-TAC

Applicant : V-TAC EXPORTS LIMITED

Address: FLAT/RM D-2 7/F WING CHEONG COMMERCIAL BLDG 19-25 JERVOIS STREET
SHEUNG WAN HK

Manufacturer: V-TAC EXPORTS LIMITED

Address: FLAT/RM D-2 7/F WING CHEONG COMMERCIAL BLDG 19-25 JERVOIS STREET
SHEUNG WAN HK

Sample Received Date: Jan. 15, 2026

Test Date: Jan. 15, 2026 to Jan. 16, 2026

Rating: Input:AC 230V, 50Hz, 0.9A, 200W
Output:AC 252V, 0.66A, 166W

Applicable Standards: EN IEC 55015:2019/A11:2020
EN IEC 61547:2023
EN IEC 61000-3-2:2019/A2:2024
EN 61000-3-3:2013/A2:2021/AC:2022-01

Remark: /

The above equipment has been tested by Guangdong KEYS Testing Technology Co., Ltd. and found compliance with the requirements in the technical standards mentioned above. The test results presented in this report only relate to the product/system tested. The Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Prepared by:

Approved by:

Joy Jiang
Joy Jiang / Engineer

Bruce Zhang
Bruce Zhang / Manager

2. TEST SUMMARY

EMISSION			
Standard	Item	Result	Remarks
EN IEC 55015:2019/A11:2020	Conducted Emission(Main Port)	PASS	Complied with limit
	Radiated Electromagnetic Disturbance	PASS	Complied with limit
	Radiated Emission(30MHz to 1GHz)	PASS	Complied with limit
EN IEC 61000-3-2:2019/A2:2024	Harmonic current emissions	PASS	Complied with limit
EN 61000-3-3:2013/A2:2021/ AC:2022-01	Voltage fluctuations & flicker	PASS	Complied with limit

IMMUNITY(EN IEC 61547:2023)			
Standard	Item	Result	Remarks
IEC 61000-4-2:2008	ESD	PASS	Complied with the requirements
IEC 61000-4-3:2006/AMD1:2007/A MD2:2010	RS	PASS	Complied with the requirements
IEC 61000-4-4:2012	EFT	PASS	Complied with the requirements
IEC 61000-4-5:2014	Surge	PASS	Complied with the requirements
IEC 61000-4-6:2013	CS	PASS	Complied with the requirements
IEC 61000-4-8:2009	PFMF	N/A	Note 2
IEC 61000-4-11:2004/AMD1:2017	Voltage dips & voltage variations	PASS	Complied with the requirements

Note: 1) The test result verdict is decided by the limit of test standard

2)The test only applies to equipment containing components susceptible to magnetic fields, such as Hall elements or magnetic field sensor, so this item isn't applicable to the products.

3)N/A means not applicable.

3. TEST SITE

3.1. TEST FACILITY

Guangdong KEYS Testing Technology Co., Ltd.

Address: Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China

3.2. MEASUREMENT UNCERTAINTY

Parameter	Uncertainty
Conducted Emission(150KHz-30MHz)	$\pm 3.2\text{dB}$
Radiated Emission(30MHz-1GHz)	$\pm 4.7\text{dB}$
Radiated Emission (1GHz-6GHz)	$\pm 5.1\text{dB}$
Radiated Emission (6GHz-18GHz)	$\pm 5.1\text{dB}$

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

3.3. LIST OF TEST AND MEASUREMENT INSTRUMENTS

3.3.1. ☒ For conducted emission at the mains terminals test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCI	KEYS-EL-203	Mar. 03, 2025	1 Year
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	KEYS-EL-201	Mar. 03, 2025	1 Year
LISN	Rohde&Schwarz	ENV216	KEYS-EL-202	Mar. 03, 2025	1 Year
Test software	Tonscend	JS32-RE Version 5.0.0			

3.3.2. ☒ For radiated emission test (9kHz-30MHz)

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCI	KEYS-EL-203	Mar. 03, 2025	1 Year
Three-ring antenna	Da Ze	ZN30401	KEYS-EL-252	May 17, 2025	1 Year
Test software	Tonscend	JS32-RE Version 5.0.0			

3.3.3. ☒ For Radiated Emission Measurement(below 1GHz)

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCI7	KEYS-EL-205	Mar. 03, 2025	1 Year
Logarithmic periodic antenna	Schwarzbeck	VULB9168	KEYS-EL-209	Mar. 06, 2025	3 Year
Preamplifier	HP	8447F	KEYS-EL-210	Mar. 03, 2025	1 Year
3m Anechoic Chamber	Taihe MaoRui	9*6*6	KEYS-EL-234	Oct. 12, 2024	5 Year
Test software	Tonscend	JS32-RE Version 5.0.0			

3.3.4. ☒ For harmonic current emissions and voltage fluctuations/flicker test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
AC Power Source	California instruments	5001i-400	KEYS-EL-248	May 17, 2025	1 Year
Harmonic and Flicker Analyzer	California instruments	PACS-1	KEYS-EL-249	May 17, 2025	1 Year
Test software	California Instruments	CTS 4 Version 4.32.0			

3.3.5. ☒ For electrostatic discharge immunity test

Equipment	Manufacturer	Model	Equipment No	Last Cal.	Cal. Interval
ESD Tester	PRIMA	ESD61002TB	KEYS-EL-215	Mar. 05, 2025	1 Year

3.3.6. ☒ For RF Electromagnetic Field Immunity Test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
Amplifier	Micotop	MPA-80-1000-250	KEYS-EL-258	May 17, 2025	1 Year
Amplifier	Micotop	MPA-1000-6000-100	KEYS-EL-259	May 19, 2025	1 Year
Power Meter	Agilent	E4417A	KEYS-EL-260	May 17, 2025	1 Year
Power Sensor	Agilent	E9304A	KEYS-EL-261	May 17, 2025	1 Year

Power Sensor	Agilent	E9304A	KEYS-EL-262	May 17, 2025	1 Year
Signal Generator	ROHDE&SCHWARZ	SMB100A	KEYS-EL-263	May 17, 2025	1 Year
Log-Per-Broadband Antenna	SKET	STLP 9129 PLUS	KEYS-EL-264	May 19, 2025	3 Year

3.3.7. ☒ For electrical fast transient/burst immunity test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
Fast Transient Burst Simulator	PRIMA	EFT61004TA	KEYS-EL-218	Mar. 03, 2025	1 Year
Clamp	PRIMA	PEFT-C105	KEYS-EL-219	Mar. 03, 2025	1 Year

3.3.8. ☒ For surge immunity test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
Lighting Surge Generator	PRIMA	SUG61005TB-2216	KEYS-EL-217	Mar. 03, 2025	1 Year
Coupling/Decoupling Network	PRIMA	SUG-CDN-108	KEYS-EL-216	Mar. 03, 2025	1 Year

3.3.9. ☒ For injected currents susceptibility test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
CS Test system	TESEQ	NSG4070	KEYS-EL-255	May 17, 2025	1 Year
6dB Attenuator	TESEQ	ATN6075	KEYS-EL-256	May 17, 2025	1 Year
CDN	TESEQ	CDN M016	KEYS-EL-254	May 17, 2025	1 Year
EM-Clamp	TESEQ	KEMZ 801A	KEYS-EL-257	May 17, 2025	1 Year

3.3.10. ☐ For power frequency magnetic field immunity test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
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POWER FREQUENCY MAGNETIC FIELD GENERATION	EVERFINE	EMS61000-8 K	KEYS-EL-273	May 16, 2025	1 Year
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3.3.11. ☒ For voltage dips and short interruptions immunity test

Equipment	Manufacturer	Model	Equipment No.	Last Cal.	Cal. Interval
Cycle Sag Simulator	PRIMA	DRP61011TB	KEYS-EL-220	Mar. 03, 2025	1 Year

4. EUT DESCRIPTION

Product	LED FLOODLIGHT
Main Model	VT-44209CCT
Model list(s)	(Additional models are as page 2)
Supplied Voltage	AC230V, 50Hz
Power	166W
Accessories:	/

I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
AC Port	1	☒
DC Port	1	☐

Models Difference

All models are same as the samples except model name and appearance,they have the same structure/circuit.

5. TEST METHODOLOGY

5.1. TEST MODE

The EUT was tested together with the thereafter additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

Test mode	
Model:	EUT+Working

The following test mode(s) were assessed.

Test Items		Test Mode
Emission	Conducted Emission	Model
	Radiated Electromagnetic Disturbance	Model
	Radiated Emission	Model
	Harmonic current emissions	Model
	Voltage fluctuations & flicker	Model
Immunity	ESD	Model
	RS	Model
	EFT	Model
	Surge	Model
	C/S	Model
	Dips	Model

5.2. EUT SYSTEM OPERATION

1. Set up EUT with the support equipment.
2. Make sure the EUT work normally during the test.

6. SETUP OF EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF SUPPORT UNITS

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.

Support Equipment

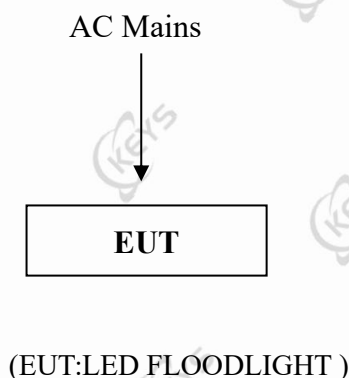
No.	Equipment	Model	Serial No.	Manufacturer
1	/	/	/	/
2	/	/	/	/
3	/	/	/	/
4	/	/	/	/

Support Cable

No.	Description	Shield	Length	Manufacturer
1	/	/	/	/
2	/	/	/	/

Note: 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

6.2. CONFIGURATION OF SYSTEM UNDER TEST



7. EMISSION TEST

7.1. CONDUCTED EMISSION

7.1.1. LIMITS

FREQUENCY (MHz)	LIMITS(dBμV)	
	Quasi-peak	Average
0.009-0.05	110	N/A
0.05-0.15	90 – 80	N/A
0.15 - 0.5	66 – 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1) The lower limit shall apply at the transition frequencies.

2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 MHz to 0.5 MHz

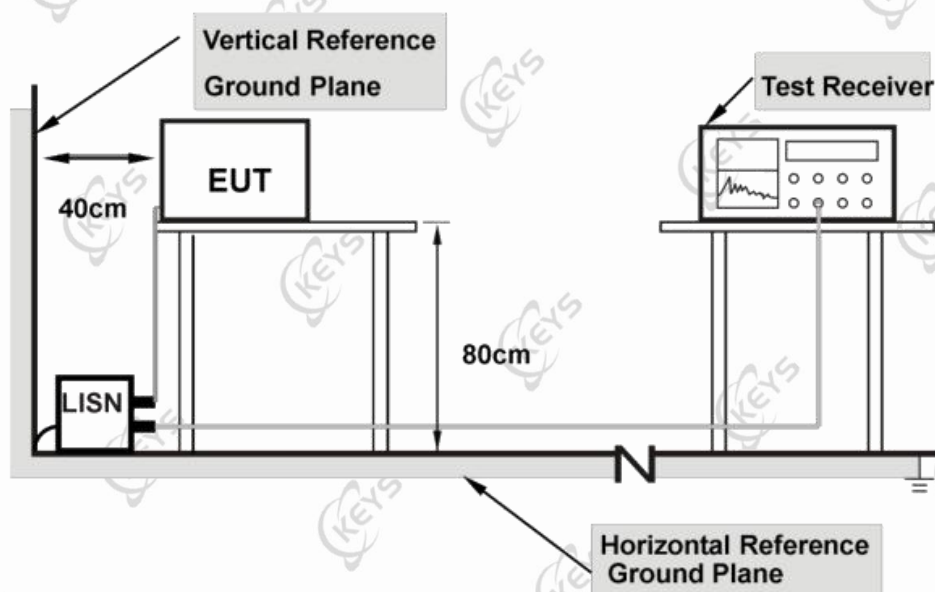
7.1.2. TEST PROCEDURES

The EUT and Support equipment, if needed, was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane. When the EUT is floor standing equipment, it is placed on the ground plane, which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane. The EUT should be 0.8 m apart from the AMN, where the mains cable supplied by the manufacturer is longer than 0.8 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, Details please refer to test setup photography.

The Receiver scanned from 9 kHz to 30 MHz for emissions in each of the test modes. During the above scans, the emissions were maximized by cable manipulation.

A scanning was taken on the power lines, Line and neutral, recording at least six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded.

7.1.3.TEST SETUP



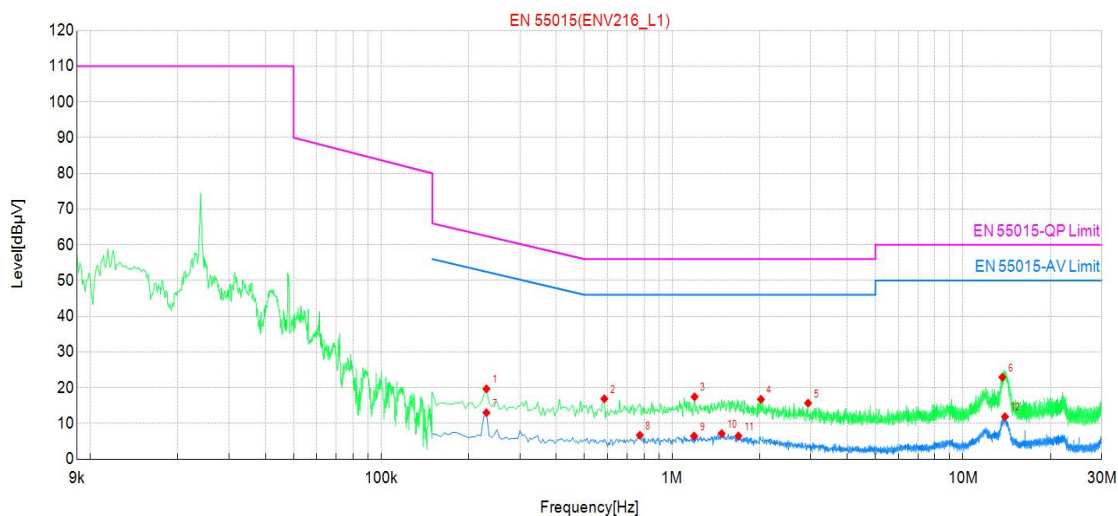
For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.1.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	23.2°C
Test Mode	Mode1	Relative Humidity :	58 % RH

Please refer to the following diagram:

Line:

**Suspected Data List**

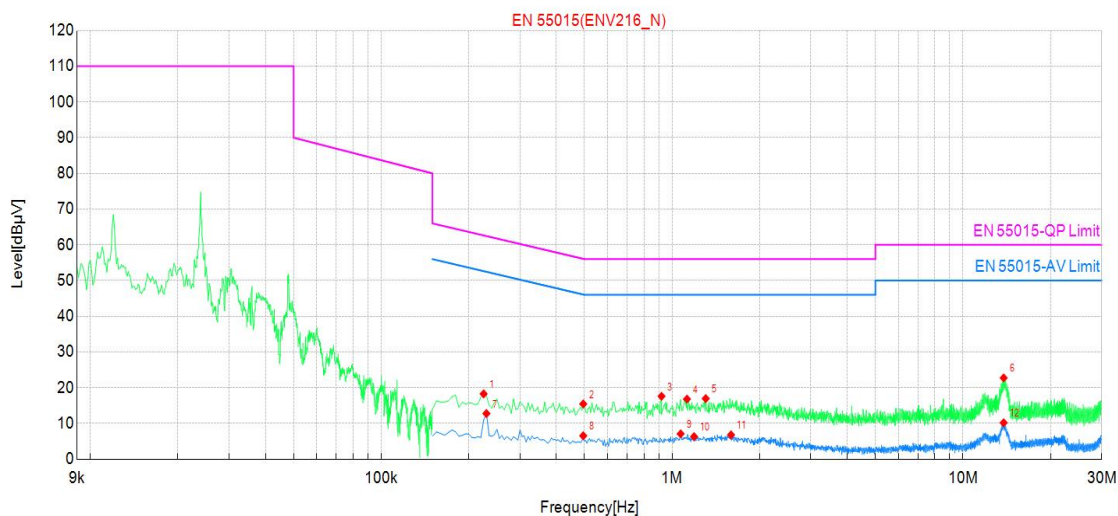
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Phase	Detector	Verdict
1	0.230000	0.50	19.68	19.18	62.45	42.77	L1	QP	PASS
2	0.585000	-2.29	16.89	19.18	56.00	39.11	L1	QP	PASS
3	1.195000	-1.76	17.44	19.20	56.00	38.56	L1	QP	PASS
4	2.020000	-2.48	16.72	19.20	56.00	39.28	L1	QP	PASS
5	2.935000	-3.53	15.68	19.21	56.00	40.32	L1	QP	PASS
6	13.665000	3.62	22.93	19.31	60.00	37.07	L1	QP	PASS
7	0.230000	-6.18	13.00	19.18	52.45	39.45	L1	AV	PASS
8	0.775000	-12.58	6.69	19.27	46.00	39.31	L1	AV	PASS
9	1.190000	-12.76	6.44	19.20	46.00	39.56	L1	AV	PASS
10	1.480000	-12.04	7.16	19.20	46.00	38.84	L1	AV	PASS
11	1.690000	-12.73	6.47	19.20	46.00	39.53	L1	AV	PASS
12	13.945000	-7.42	11.87	19.29	50.00	38.13	L1	AV	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Neutral:

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Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Phase	Detector	Verdict
1	0.225000	-0.92	18.27	19.19	62.63	44.36	N	QP	PASS
2	0.495000	-3.74	15.45	19.19	56.08	40.63	N	QP	PASS
3	0.920000	-1.62	17.60	19.22	56.00	38.40	N	QP	PASS
4	1.125000	-2.40	16.80	19.20	56.00	39.20	N	QP	PASS
5	1.305000	-2.25	16.95	19.20	56.00	39.05	N	QP	PASS
6	13.805000	3.49	22.74	19.25	60.00	37.26	N	QP	PASS
7	0.230000	-6.43	12.76	19.19	52.45	39.69	N	AV	PASS
8	0.495000	-12.66	6.53	19.19	46.08	39.55	N	AV	PASS
9	1.070000	-12.13	7.07	19.20	46.00	38.93	N	AV	PASS
10	1.190000	-12.90	6.30	19.20	46.00	39.70	N	AV	PASS
11	1.595000	-12.42	6.78	19.20	46.00	39.22	N	AV	PASS
12	13.805000	-9.08	10.17	19.25	50.00	39.83	N	AV	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

7.2. RADIATED ELECTROMAGNETIC DISTURBANCE

7.2.1. LIMITS

Frequency	Limits for loop diameter dB(μ A)*		
	2 m	3 m	4 m
9 kHz-70 kHz	88	81	75
70 kHz-150 kHz	88-58	81-51	75-45
150 kHz-3.0 MHz	58-2	51-15	45-9
3.0 MHz-30 MHz	22	15-16	9-12

* At the transition frequency, the lower limit applies.

** Decreasing linearly with the logarithm of the frequency.

*** Increasing linearly with the logarithm of the frequency.

7.2.2. TEST PROCEDURE

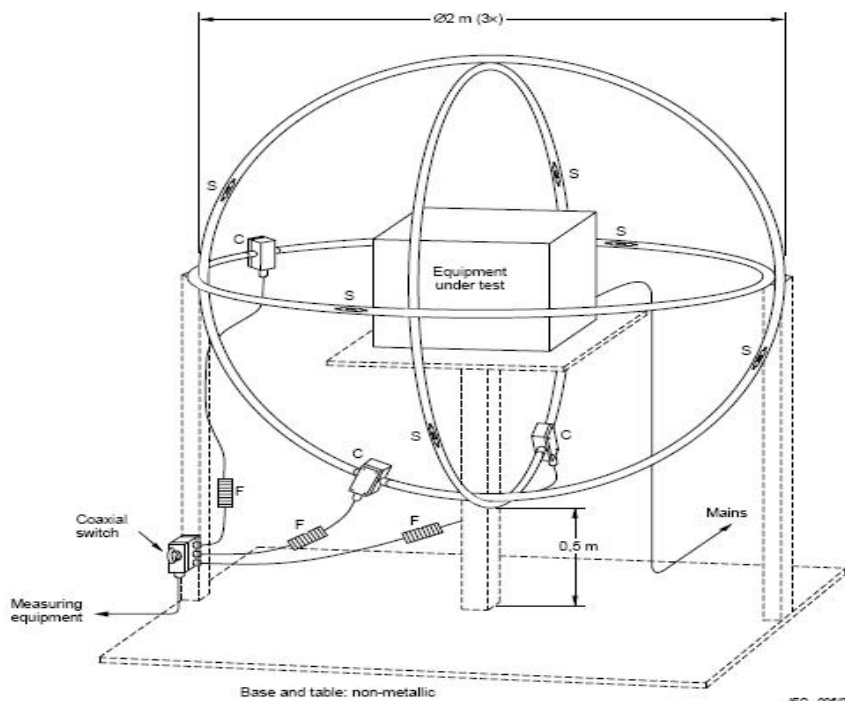
The EUT and support equipment are positioned in the centre of loop antenna system (LAS). The LAS consists of three circular, mutually perpendicular large-loop antennas (LLAs), having a diameter of 2 m, supported by a non-metallic base. A 50 Ω coaxial cable between the current probe of an LLA and the coaxial switch, and between this switch and the measuring equipment, shall have surface transfer impedance smaller than 10 m Ω /m at 100 kHz and 1 m Ω /m at 10 MHz. The distance between the outer diameter of the loop antenna system and nearby objects, such as floor and walls, shall be at least 0.5 m as per CISPR 15/ EN 55015.

The induced current in the loop antenna is measured by means of a current probe (1 V/A) and the CISPR measuring receiver. By means of a coaxial switch, the three field directions (X, Y, Z) can be measured in sequence.

The receiver scanned from 9 kHz to 30 MHz for emissions in each of the test modes, and recorded at least the six highest emissions. Each value shall comply with the requirement given.

The test data of the worst-case condition(s) was recorded.

7.2.3.TEST SETUP



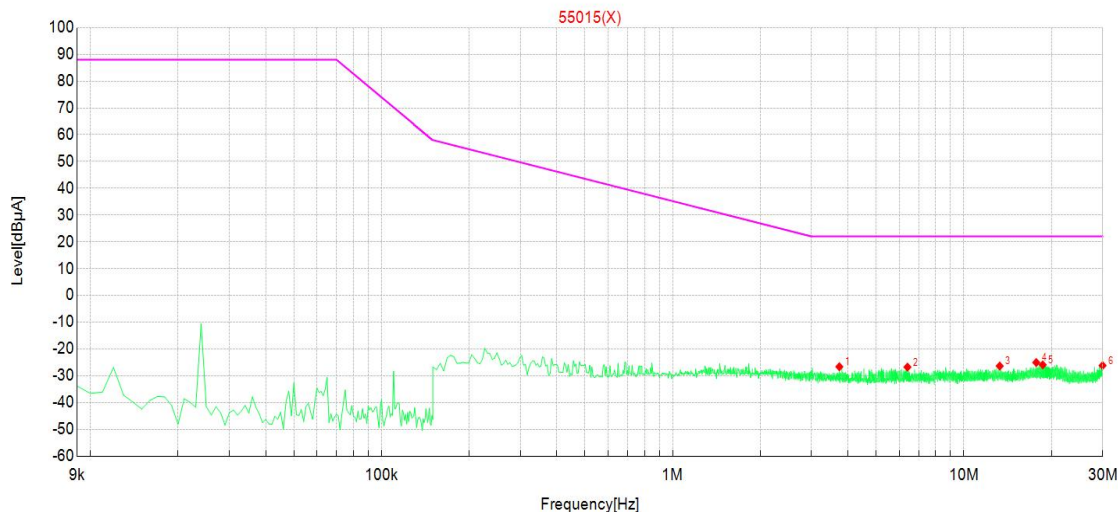
For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.2.4. TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	24.2°C
Test Mode	Mode1	Relative Humidity :	54 % RH

Please refer to the following diagram:

X:



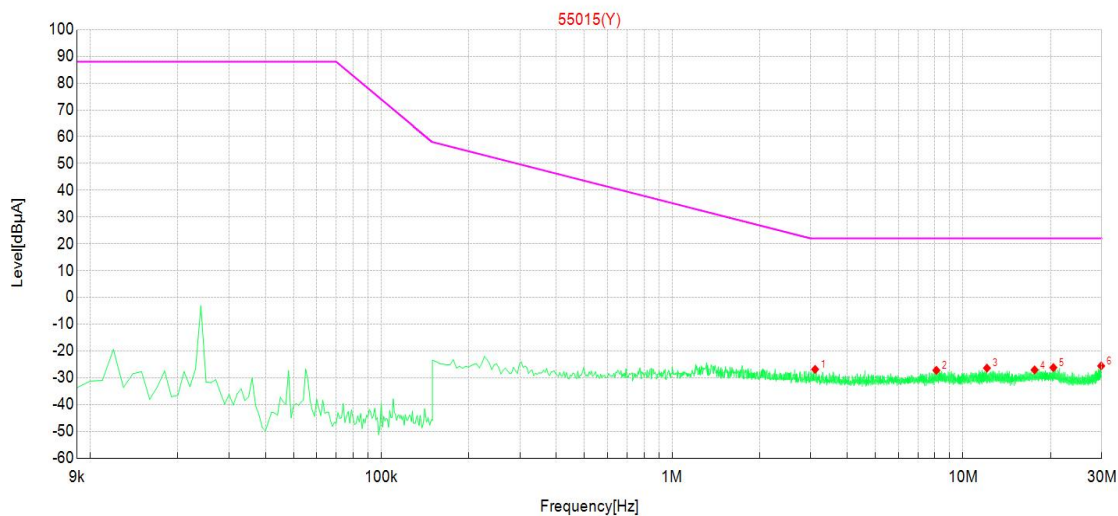
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμA]	Factor [dB]	Limit [dBμA]	Margin [dB]	Phase	Detector	Verdict
1	3.736500	-36.46	-26.63	9.83	22.00	48.63	X	QP	PASS
2	6.405000	-36.61	-26.77	9.84	22.00	48.77	X	QP	PASS
3	13.285500	-36.28	-26.36	9.92	22.00	48.36	X	QP	PASS
4	17.740500	-35.08	-25.06	10.02	22.00	47.06	X	QP	PASS
5	18.672000	-35.98	-25.94	10.04	22.00	47.94	X	QP	PASS
6	29.971500	-36.48	-26.19	10.29	22.00	48.19	X	QP	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Y:

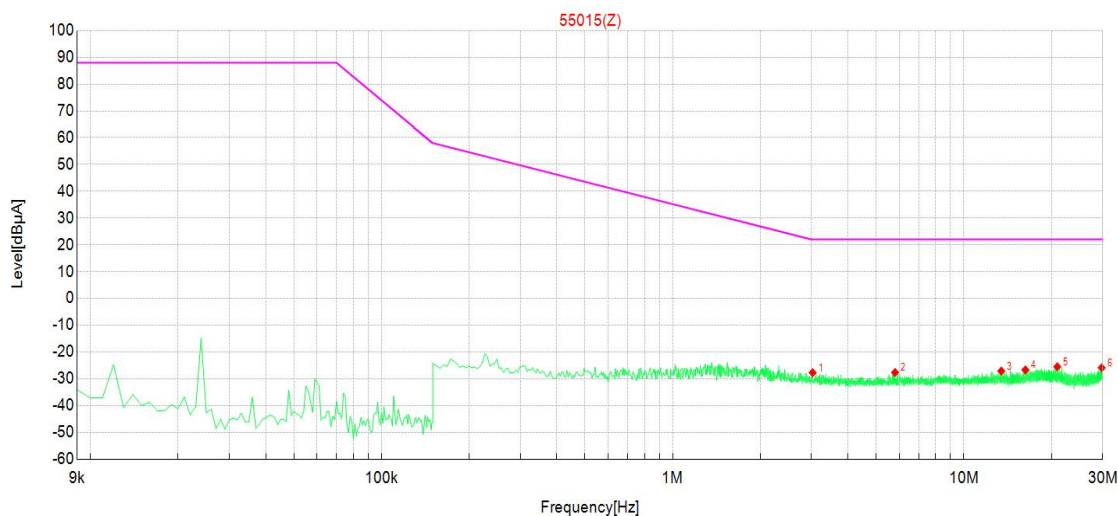
**Suspected Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμA]	Factor [dB]	Limit [dBμA]	Margin [dB]	Phase	Detector	Verdict
1	3.102000	-36.68	-26.86	9.82	22.00	48.86	Y	QP	PASS
2	8.101500	-37.08	-27.23	9.85	22.00	49.23	Y	QP	PASS
3	12.093000	-36.29	-26.39	9.90	22.00	48.39	Y	QP	PASS
4	17.628000	-37.08	-27.07	10.01	22.00	49.07	Y	QP	PASS
5	20.454000	-36.29	-26.21	10.08	22.00	48.21	Y	QP	PASS
6	29.859000	-35.89	-25.60	10.29	22.00	47.60	Y	QP	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Z:



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμA]	Factor [dB]	Limit [dBμA]	Margin [dB]	Phase	Detector	Verdict
1	3.025500	-37.53	-27.71	9.82	22.00	49.71	Z	QP	PASS
2	5.806500	-37.51	-27.67	9.84	22.00	49.67	Z	QP	PASS
3	13.456500	-37.03	-27.11	9.92	22.00	49.11	Z	QP	PASS
4	16.278000	-36.68	-26.70	9.98	22.00	48.70	Z	QP	PASS
5	20.949000	-35.60	-25.51	10.09	22.00	47.51	Z	QP	PASS
6	29.755500	-36.19	-25.91	10.28	22.00	47.91	Z	QP	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

7.3. RADIATED EMISSION

7.3.1. LIMITS

FREQUENCY (MHz)	Limit (dBμV/m) (At 3 m)	Limit (dBμV/m) (At 10 m)
30 ~ 230	40	30
230 ~ 300	47	37

Note: 1) The lower limit shall apply at the transition frequencies.

2) Emission level (dBμV/m) = 20 log Emission level (μV/m).

7.3.2. TEST PROCEDURE

The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is floor standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.

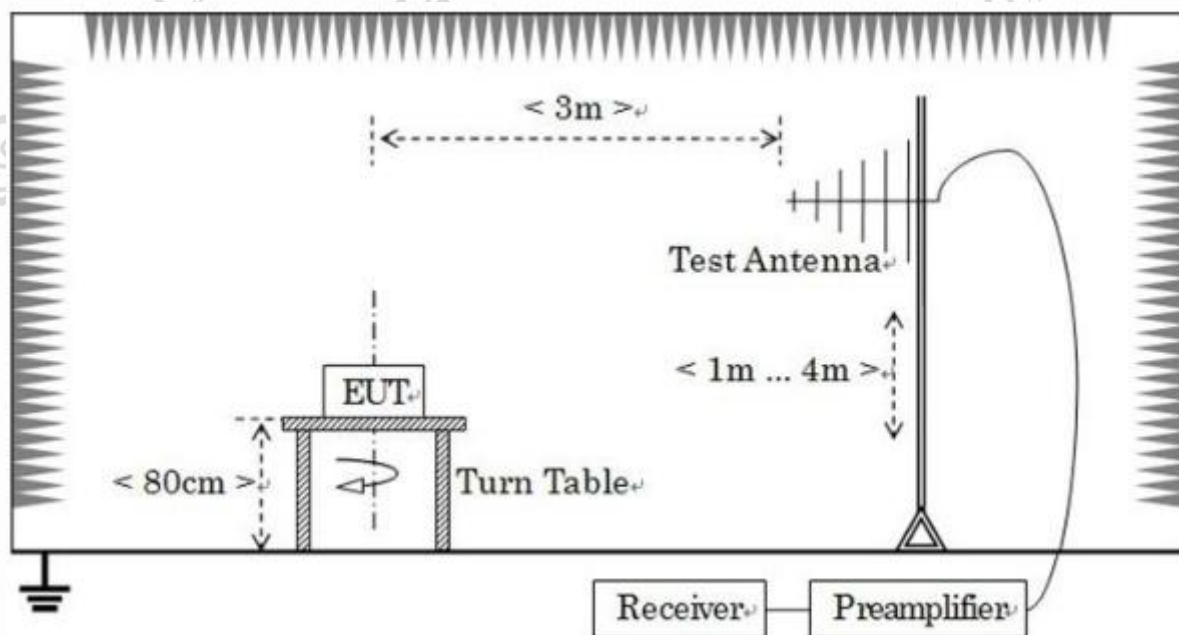
The antenna was placed at 3 meter away from the EUT. The antenna connected to the spectrum analyzer via a cable and at times a pre-amplifier would be used.

The analyzer / receiver quickly scanned from 30 MHz to 300 MHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

During the above scans, the emissions were maximized by cable manipulation. Each modes is measured, recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.

The test data of the worst-case condition(s) was recorded.

7.3.3.TEST SETUP



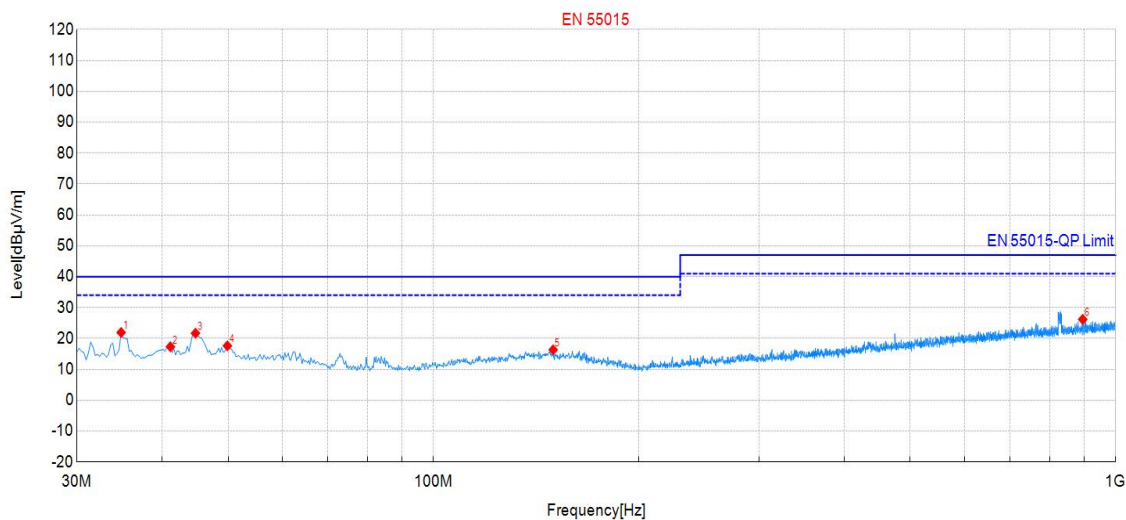
Note: For the actual test configuration, please refer to the related item – Photographs of the Test Configuration

7.3.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	23.1°C
Test Mode	Mode1	Relative Humidity :	56 % RH

Please refer to the following diagram:

Vertical:

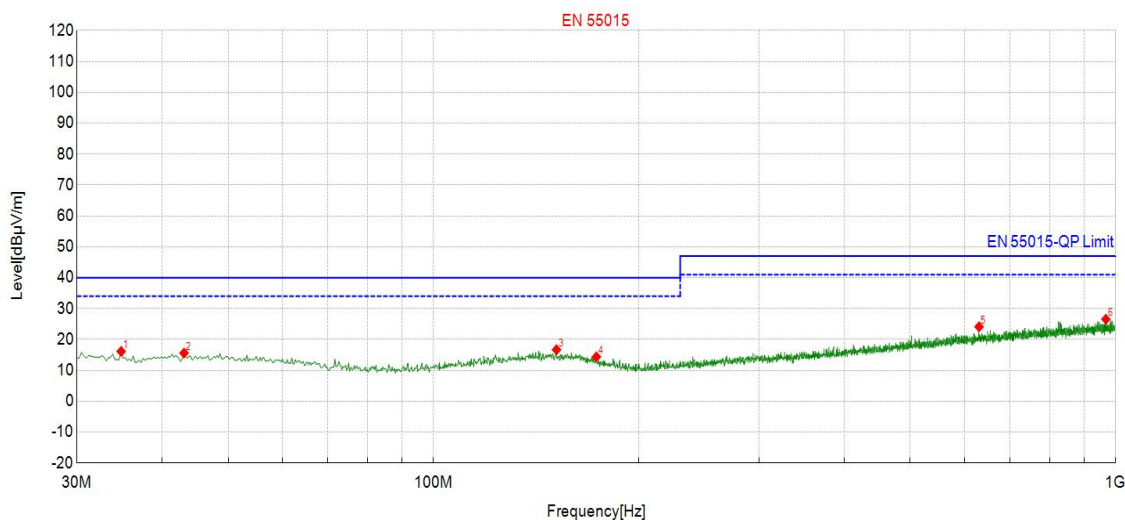


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	34.85	39.46	21.95	-17.51	40.00	18.05	100	117	QP	Vert	PASS
2	41.16	34.35	17.32	-17.03	40.00	22.68	100	183	QP	Vert	PASS
3	44.79	38.82	21.71	-17.11	40.00	18.29	100	344	QP	Vert	PASS
4	49.89	34.84	17.62	-17.22	40.00	22.38	100	22	QP	Vert	PASS
5	149.80	32.51	16.35	-16.16	40.00	23.65	100	154	QP	Vert	PASS
6	894.76	33.44	26.20	-7.24	47.00	20.80	100	0	QP	Vert	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Horizontal:



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	34.85	33.65	16.14	-17.51	40.00	23.86	100	91	QP	Hori	PASS
2	43.10	32.68	15.61	-17.07	40.00	24.39	100	139	QP	Hori	PASS
3	151.49	32.83	16.69	-16.14	40.00	23.31	100	157	QP	Hori	PASS
4	173.32	32.03	14.38	-17.65	40.00	25.62	100	252	QP	Hori	PASS
5	630.67	33.83	24.13	-9.70	47.00	22.87	100	36	QP	Hori	PASS
6	967.51	33.22	26.55	-6.67	47.00	20.45	100	110	QP	Hori	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

7.4. HARMONICS CURRENT MEASUREMENT

7.4.1.LIMITS OF HARMONICS CURRENT MEASUREMENT

Limit for Class A equipment		Limit for Class D equipment		
Harmonics Order N	Max. permissible harmonics current A	Harmonics Order n	Max. permissible harmonics current per watt mA/W	Max. permissible harmonics current A
Odd harmonics		Odd Harmonics only		
3	2.30	3	3.4	2.30
5	1.14	5	1.9	1.14
7	0.77	7	1.0	0.77
9	0.40	9	0.5	0.40
11	0.33	11	0.35	0.33
13	0.21	13	0.30	0.21
$15 \leq n \leq 39$	$0.15x(15/n)$	$15 \leq n \leq 39$ (odd harmonics only)	$3.85/n$	$0.15x(15/n)$
Even harmonics				
2	1.08			
4	0.43			
6	0.30			
$8 \leq n \leq 40$	$0.23x8/n$			

Limit for Class C equipment	
Harmonics Order n	Max. permissible harmonics current expressed as a percentage of the input current at the fundamental frequency A
2	2
3	30xF
5	10
7	7
9	5
$11 \leq n \leq 39$ (odd harmonics only)	3
F is the circuit power factor	

Note: Class A, B, C and D are classified according to item 7.4.2.of this report

7.4.2.TEST PROCEDURES

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic. The classification of EUT is according to section 5 of EN IEC 61000-3-2.

The EUT is classified as follows:

Class A:

Balanced three-phase equipment, Household appliances excluding equipment as Class D, Tools excluding portable tools, Dimmers for incandescent lamps, audio equipment, equipment not specified in one of the three other classes.

Class B:

Portable tools; Arc welding equipment which is not professional equipment.

Class C:

Working equipment

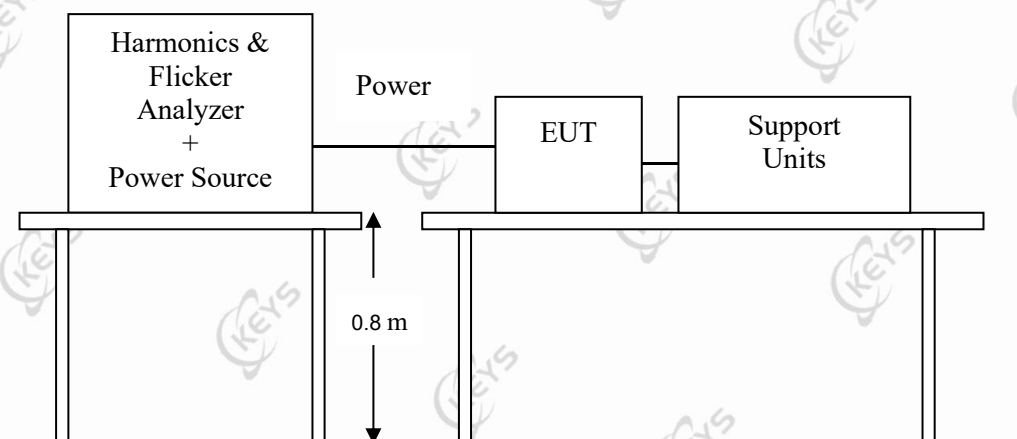
Class D:

Equipment having a specified power less than or equal to 600 W of the following types: Personal computers and personal computer monitors and television receivers.

The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen.

The measure time shall be not less than the time necessary for the EUT to be exercised.

7.4.3.TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.4.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	22.7°C
Test Mode	Mode1	Relative Humidity :	58 % RH
Limits	Class ☐ A ☐ B ☒ C ☐ D	TEST RESULT	PASS

7.5. TUATION AND FLICKS MEASUREMENT

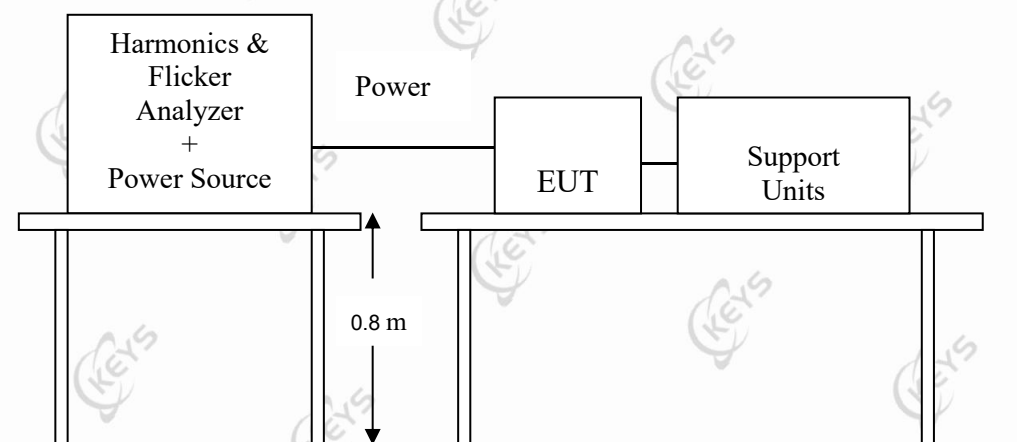
7.5.1. LIMITS OF VOLTAGE FLUCTUATION AND FLICKS MEASUREMENT

TEST ITEM	LIMIT	REMARK
P_{st}	1.0	P_{st} means short-term flicker indicator.
P_{lt}	0.65	P_{lt} means long-term flicker indicator.
T_{dt} (ms)	500	T_{dt} means maximum time that dt exceeds 3 %.
d_{max} (%)	4/6/7 %	d_{max} means maximum relative voltage change.
dc (%)	3.3 %	dc means relative steady-state voltage change

7.5.2. TEST PROCEDURE

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the most unfavorable sequence of voltage changes under Working operating conditions. During the flick measurement, the measure time shall include that part of whole operation cycle in which the EUT produce the most unfavorable sequence of voltage changes. The observation period for short-term flicker indicator is 10 minutes and the observation period for long-term flicker indicator is 2 hours.

7.5.3. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.5.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	23.4°C
Test Mode	Model	Relative Humidity :	55 % RH
Observation Period (Tp)	10min	TEST RESYLT	PASS

8. IMMUNITY TEST

8.1. GENERAL DESCRIPTION

Product Standard	EN IEC 61547	
	Test Type	Minimum Requirement
Basic Standard, Specification, and Performance Criterion required	IEC 61000-4-2	Electrostatic discharge: ±8 kV air discharge, ±4 kV Contact discharge Road and street Working equipment ±15 kV air discharge, ±8kV Contact discharge
	IEC 61000-4-3	Radio-Frequency electromagnetic fields: 80 ~1000 MHz, 3 V/m, 80 % AM(1 kHz) Performance Criterion A
	IEC 61000-4-4	Fast Transient: AC Power Port: ±1 kV, DC Power port ±0.5 kV, signal/control lines and load ports: ±0.5 kV, Performance Criterion B
	IEC 61000-4-5	Surges: 1.2/50 µs Open Circuit Voltage, 8 /20 µs Short Circuit Current, AC Power Port ~ Line to line: ±0.5 kV, Line to ground:N/A (to self-ballasted lamps and semi-luminaries; luminaires and independent auxiliaries which are less than or equal to 25 W) AC Power Port ~ Line to line: ±1 kV, Line to ground: ±2 kV (to luminaires and independent auxiliaries which are more than 25 W) Road and street Working equipment~ Line to line: ±2 kV, Line to ground: ±4 kV Performance Criterion C
	IEC 61000-4-6	Injected currents(radio-frequency common mode): AC Power Port, DC Power port ,signal/control lines, 0.15 ~ 80 MHz, 3 Vrms, 80 % AM, 1 kHz, Performance Criterion A
	IEC 61000-4-8	Power frequency magnetic fields 50 /60Hz, 3 A/m Performance Criterion A
	IEC 61000-4-11	Voltage Dips and Short Interruptions: 70 % test levels for 10 period, Performance Criterion B 0 % test levels for 0.5 period, Performance Criterion B

8.2. GENERAL PERFORMANCE CRITERIA DESCRIPTION

Performance Criteria A:	During the test no change of the luminous intensity shall be observed and the regulating control, if any, shall operate during the test as intended.
Performance Criteria B:	During the test the luminous intensity may change to any value. After the test the luminous intensity shall be restored to its initial value within 1 min.(30 min for high pressure gas discharge lamps).Regulating controls need not function during the test, but after the test, the mode of the control shall be the same as before the test, provided that during the test no mode changing commands were given.
Performance Criteria C:	During and after the test, any change of the luminous intensity is allowed and the light source(s) may be extinguished. After the test, within 30 min, all functions shall return to normal, if necessary by temporary interruption of the mains supply and/or operating the regulating control.

8.3. ELECTROSTATIC DISCHARGE

8.3.1. TEST SPECIFICATION

Basic Standard:	IEC 61000-4-2
Discharge Impedance:	330 Ω
Charging Capacity:	150 pF
Discharge Voltage:	Air Discharge: ± 8 kV (Direct) Contact Discharge: ± 4 kV (Direct/Indirect) Other :Road and street Working equipment Air Discharge: ± 15 kV (Direct) Contact Discharge: ± 8 kV (Direct/Indirect)
Polarity:	Positive & Negative
Number of Discharge:	10 times at each test point
Discharge Mode:	1 time/s
Performance Criterion:	B

8.3.2. TEST PROCEDURE

The discharges shall be applied in two ways:

a) Contact discharges to the conductive surfaces and coupling planes:

Twenty dischargers (10 with positive and 10 with negative polarity) shall be applied on each accessible metallic part of the enclosure, terminals are excluded. In case of a non-conductive enclosure, dischargers shall be applied on the horizontal or vertical coupling planes. Test shall be performed at a maximum repetition rate of one discharge per second.

b) Air discharges at slots and apertures and insulating surfaces:

On those parts of the EUT where it is not possible to perform contact discharge testing, the equipment should be investigated to identify user accessible points where breakdown may occur. Such points are tested using the air discharge method. This investigation should be restricted to those area normally handled by the user. A minimum of 10 single air discharges shall be applied to the selected test point for each such area.

The basic test procedure was in accordance with IEC 61000-4-2:

a) The EUT was located 0.1 m minimum from all side of the HCP (dimensions 1.6 m x 0.8 m).

b) The support units were located another table 30 cm away from the EUT, but direct support unit was/were located at same location as EUT on the HCP and keep at a distance of 10cm with EUT.

c) The time interval between two successive single discharges was at least 1 second.

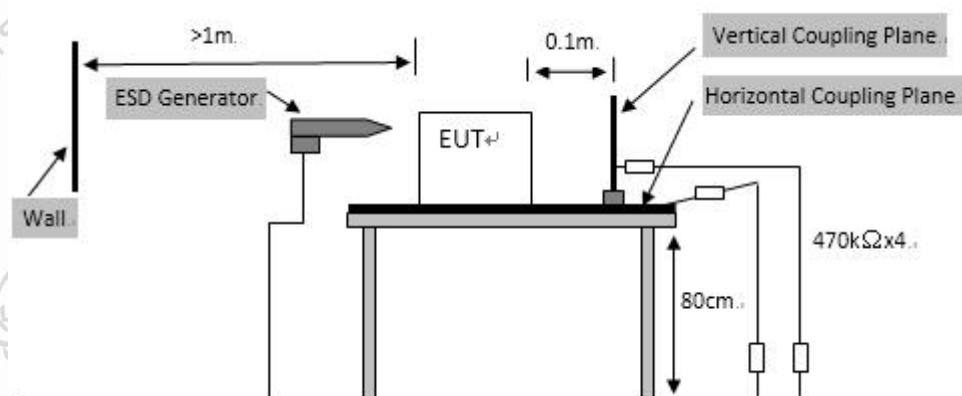
d) Contact discharges were applied to the non-insulating coating, with the pointed tip of the generator penetrating the coating and contacting the conducting substrate.

e) Air discharges were applied with the round discharge tip of the discharge electrode approaching the EUT as fast as possible (without causing mechanical damage) to touch the EUT. After each discharge, the ESD generator was removed from the EUT and re-triggered for a new single discharge. The test was repeated until all discharges were complete.

f) At least ten single discharges (in the most sensitive polarity) were applied at the front edge of each HCP opposite the center point of each unit of the EUT and 0.1 meters from the front of the EUT. The long axis of the discharge electrode was in the plane of the HCP and perpendicular to its front edge during the discharge.

g) At least ten single discharges (in the most sensitive polarity) were applied to the center of one vertical edge of the Vertical Coupling Plane (VCP) in sufficiently different positions that the four faces of the EUT were completely illuminated. The VCP (dimensions 0.5 m x 0.5 m) was placed vertically to and 0.1 meters from the EUT.

8.3.3.TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

Note:

1) TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table 0.8 meters high standing on the ground reference plane (GRP). The GRP consisted of a sheet of aluminum at least 0.25 mm thick, and 2.5 meters square connected to the protective grounding system. A horizontal coupling plane (HCP) (1.6 m x 0.8 m) was placed on the table and attached to the GRP by means of a cable with 940k total impedance. The equipment under test, was installed in a representative system as described in section 7 of IEC 61000-4-2, and its cables were placed on the HCP and isolated by an insulating support of 0.5 mm thickness. A distance of 1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

2) FLOOR-STANDING EQUIPMENT

The equipment under test was installed in a representative system as described in section 7 of IEC 61000-4-2, and its cables were isolated from the ground reference plane by an insulating support of 0.1 meter thickness. The GRP consisted of a sheet of aluminum that is at least 0.25 mm thick, and 2.5 meters square connected to the protective grounding system and extended at least 0.5 meters from the EUT on all sides.

8.3.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	22.8°C
Test Mode	Model1	Relative Humidity :	58 % RH

Discharge Type	Level (kV)	Test Point	Observation	Performance Criterion
Direct Air Discharge	± 8	1	Note ☒ 1 ☐ 2 ☐ 3	A
Contact Discharge	± 4	2	Note ☒ 1 ☐ 2 ☐ 3	A
Indirect Discharge (HCP)	± 4	3	Note ☒ 1 ☐ 2 ☐ 3	A
Indirect Discharge (VCP)	± 8	3	Note ☒ 1 ☐ 2 ☐ 3	A
Test point: 1.All insulated enclosure and seams. 2.All accessible metal parts of the enclosure 3.All side				

Note: 1) There was no change compared with initial operation during the test.

2) During the test the luminous intensity change ,and after the test the luminous intensity can be restored to its initial value within 1 min.

3) During the test, the luminous intensity change, and after the test the luminous intensity can return to normal within 30 min.

8.4. RADIO-FREQUENCY ELECTROMAGNETIC FIELD

8.4.1. TEST SPECIFICATION

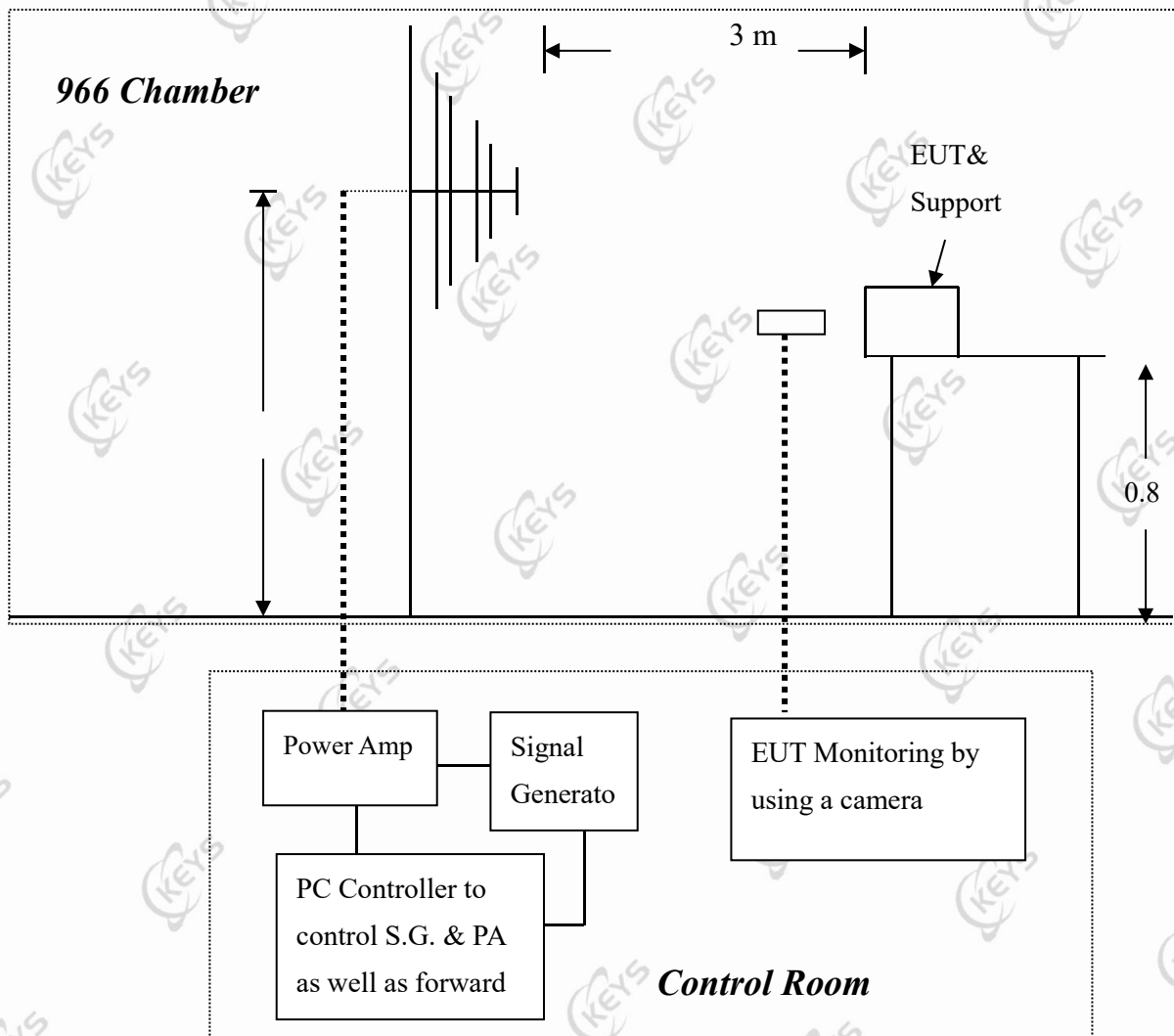
Basic Standard:	IEC 61000-4-3
Frequency Range:	80 MHz ~ 1000 MHz
Field Strength:	3 V/m
Modulation:	1 kHz Sine Wave, 80 %, AM Modulation
Frequency Step:	1 % of preceding frequency value
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5 m
Performance Criterion:	A

8.4.2. TEST PROCEDURE

The test procedure was in accordance with IEC 61000-4-3

- The testing was performed in a fully anechoic chamber. The transmit antenna was located at a distance of 3 meters from the EUT.
- The frequency range is swept from 80 MHz to 1000 MHz, with the signal 80% amplitude modulated with a 1 kHz sine-wave. The rate of sweep did not exceed 1.5×10^{-3} decade/s, where the frequency range is swept incrementally, the step size was 1 % of preceding frequency value.
- The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
- The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

8.4.3.TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

Note:

TABLETOP EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

FLOOR STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

8.4.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	23.4°C
Test Mode	Model1	Relative Humidity :	57 % RH

Frequency (MHz)	Polarity	Position	Field Strength (V/m)	Observation	Performance Criterion
80 ~ 1000	V&H	Front	3	Note ☒ 1 ☐ 2 ☐ 3	A
80 ~ 1000	V&H	Rear	3	Note ☒ 1 ☐ 2 ☐ 3	A
80 ~ 1000	V&H	Left	3	Note ☒ 1 ☐ 2 ☐ 3	A
80 ~ 1000	V&H	Right	3	Note ☒ 1 ☐ 2 ☐ 3	A

Note: 1) There was no change compared with initial operation during the test.

2) During the test the luminous intensity change ,and after the test the luminous intensity can be restored to its initial value within 1 min.

3) During the test, the luminous intensity change, and after the test the luminous intensity can return to normal within 30 min.

8.5. FAST TRANSIENTS

8.5.1.TEST SPECIFICATION

Basic Standard:	IEC 61000-4-4
Test Voltage:	AC Power Line: ± 1 kV DC Power Line: ± 0.5 kV Signal/Control Line: ± 0.5 kV
Polarity:	Positive & Negative
Impulse Frequency:	5 kHz
Impulse Wave-shape:	5/50 ns
Burst Duration:	15 ms
Burst Period:	300 ms
Test Duration:	2 mins
Performance Criterion:	B

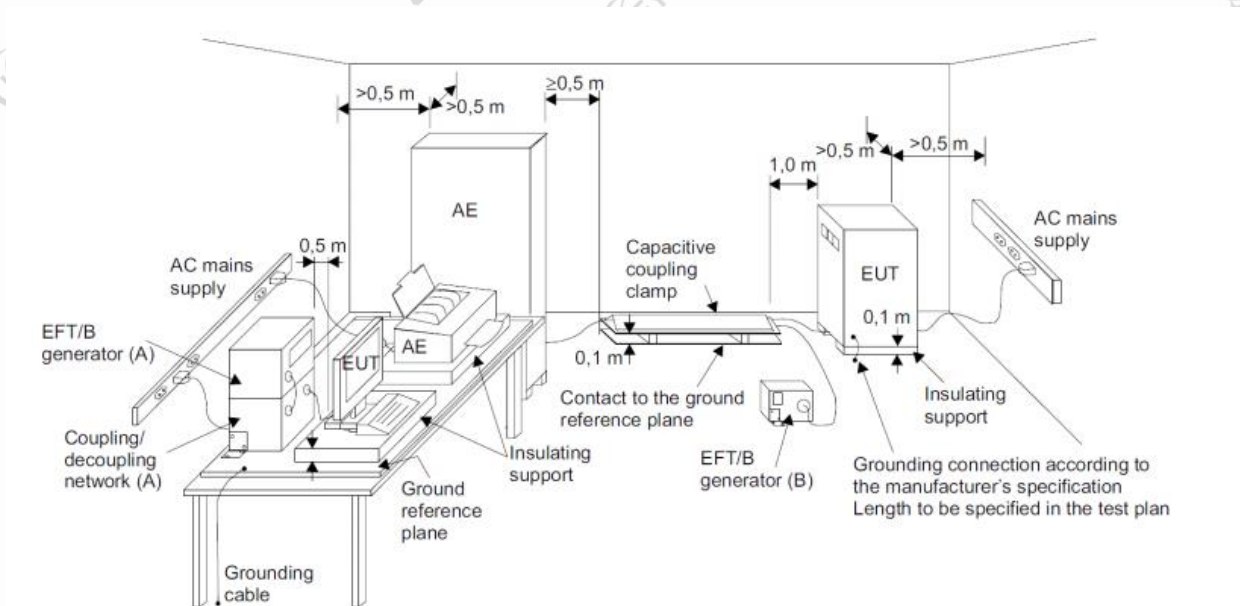
8.5.2.TEST PROCEDURE

EUT is placed on a 0.1 m tall wooden table.

EUT operate at normal mode, the transient/burst was 5/50 ns in accordance with EN 61000-4-4, both positive and negative polarity burst waveform were applied.

The duration time of each test line was 2 minutes.

8.5.3.TEST SETUP



For the actual test configuration, please refer to the related item – photographs of the test configuration.

8.5.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	24.2°C
Test Mode	Mode1	Relative Humidity :	55 % RH

Test Point	Polarity	Test Level (kV)	Observation	Performance Criterion
L	+/-	1	Note ☒ 1 ☐ 2 ☐ 3	A
N	+/-	1	Note ☒ 1 ☐ 2 ☐ 3	A
L – N	+/-	1	Note ☒ 1 ☐ 2 ☐ 3	A
L – PE	+/-	1	Note ☒ 1 ☐ 2 ☐ 3	A
N – PE	+/-	1	Note ☒ 1 ☐ 2 ☐ 3	A
L – N – PE	+/-	1	Note ☒ 1 ☐ 2 ☐ 3	A

Note: 1) There was no change compared with initial operation during the test.

2) During the test the luminous intensity change ,and after the test the luminous intensity can be restored to its initial value within 1 min.

3) During the test, the luminous intensity change, and after the test the luminous intensity can return to normal within 30 min.

8.6. SURGES

8.6.1.TEST SPECIFICATION

Basic Standard:	IEC 61000-4-5
Wave-Shape:	Combination Wave 1.2/50 μ s Open Circuit Voltage 8/20 μ s Short Circuit Current Power Port ~ Line to line: ± 0.5 kV, Line to ground: N.A (to self-ballasted lamps and semi-luminaires; luminaires and independent auxiliaries which are less than 25 W)
Test Voltage:	Power Port ~ Line to line: ± 1 kV, Line to ground: ± 2 kV (to luminaires and independent auxiliaries which are more than 25 W) Road and street Working equipment~ Line to line: ± 2 kV, Line to ground: ± 4 kV
Surge Input/Output:	Power Line: L-N / L-PE / N-PE
Generator Source Impedance:	2 Ω between networks 12 Ω between network and ground
Polarity:	Positive/Negative
Phase Angle:	90°(positive polarity pulses) / 270°(negative polarity pulses)
Pulse Repetition Rate:	1 time / min.
Number of Tests:	5 positive polarity pulses at the 90° phase angle, and 5 negative polarity pulses at 270° phase angle
Performance Criterion:	C

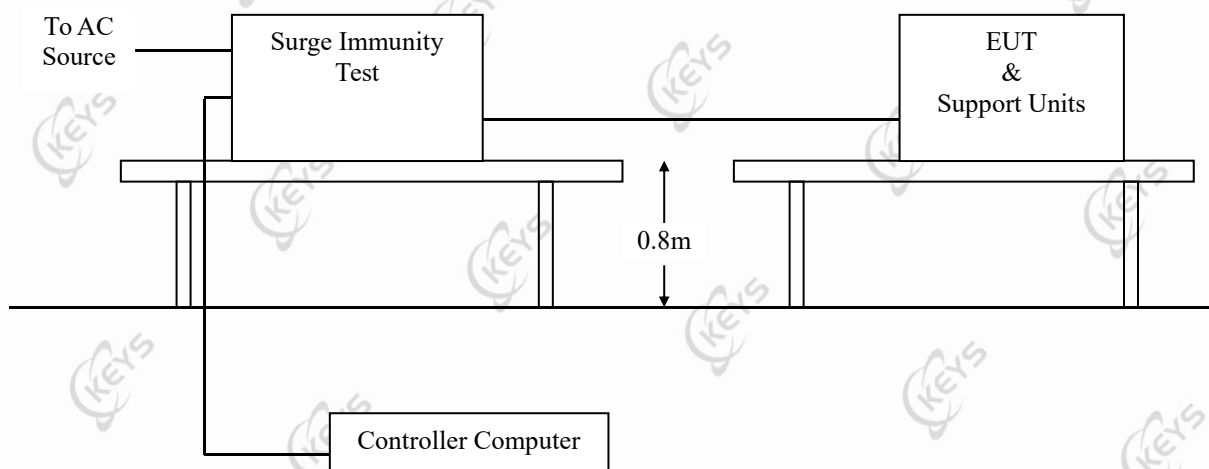
8.6.2.TEST PROCEDURE

EUT is placed on a 0.1 m (table type equipment) / 0.8 m (floor type equipment) tall wooden table.

EUT operate at normal mode, two types of combination wave generator (1.2/50 us open-circuit voltage and 8/20 us short-circuit current) are applied to the EUT power supply terminals via the capacitive coupling network.

The power cord between the EUT and the coupling/decoupling network shall not exceed 2 m in length.

8.6.3.TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

8.6.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	22.5°C
Test Mode	Mode1	Relative Humidity :	56 % RH

Test Point	Polarity	Test Level (kV)	Phase angle (°)	Observation	Performance Criterion
L - N	+	1	90	Note ☒ 1 ☐ 2 ☐ 3	A
L - N	-	1	270	Note ☒ 1 ☐ 2 ☐ 3	A
L - PE	+	2	90	Note ☒ 1 ☐ 2 ☐ 3	A
L - PE	-	2	270	Note ☒ 1 ☐ 2 ☐ 3	A
N - PE	+	2	90	Note ☒ 1 ☐ 2 ☐ 3	A
N - PE	-	2	270	Note ☒ 1 ☐ 2 ☐ 3	A

Note: 1) There was no change compared with initial operation during the test.

2) During the test the luminous intensity change ,and after the test the luminous intensity can be restored to its initial value within 1 min.

3) During the test, the luminous intensity change, and after the test the luminous intensity can return to normal within 30 min.

8.7. INJECTED CURRENTS(RADIO-FREQUENCY COMMON MODE)

8.7.1.TEST SPECIFICATION

Basic Standard:	IEC 61000-4-6
Frequency Range:	0.15 MHz ~80 MHz
Field Strength:	3 V
Modulation:	1 kHz Sine Wave, 80 %, AM Modulation
Frequency Step:	1 % of preceding frequency value
Coupled cable:	Power Mains, Shielded
Coupling device:	CDN-M3/2 (3 wires/2 wires)
Performance Criterion:	A

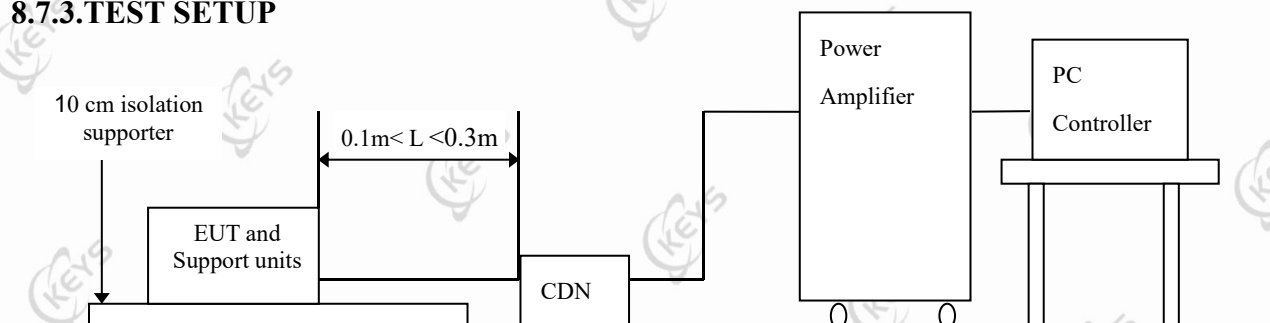
8.7.2.TEST PROCEDURE

The EUT shall be tested within its intended operating and climatic conditions.

The test shall performed with the test generator connected to each of the coupling and decoupling devices in turn, while the other non-excited RF input ports of the coupling devices are terminated by a 50 Ω load resistor.

The frequency range was swept from 150 kHz to 80 MHz, using the signal level established during the setting process and with a disturbance signal of 80 % amplitude. The signal was modulated with a 1 kHz sine wave, pausing to adjust the RF signal level or the switch coupling devices as necessary. The sweep rate was 1.5×10^{-3} decades/s. Where the frequency range is swept incrementally, the step size was 1 % of preceding frequency value the dwell time of the amplitude modulated carrier at each frequency was 0.5 s.

8.7.3.TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration

Note: 1) The EUT is setup 0.1 m above Ground Reference Plane

2) All relevant cables shall be provided with the appropriate coupling and decoupling devices at a distance between 0.1 meters and 0.3 meters from the projected geometry of the EUT on the ground reference plane.

8.7.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	23.4°C
Test Mode	Mode1	Relative Humidity :	59 % RH

Frequency (MHz)	Field Strength (Vrms)	Injected Position	Injection Method	Observation	Performance Criterion
0.15 ~ 80	3	AC Mains	CDN-M3	Note ☒ 1 ☐ 2 ☐ 3	A

Note: 1) There was no change compared with initial operation during the test.

2) During the test the luminous intensity change ,and after the test the luminous intensity can be restored to its initial value within 1 min.

3) During the test, the luminous intensity change, and after the test the luminous intensity can return to normal within 30 min.

8.8. POWER FREQUENCY MAGNETIC FIELDS

8.8.1.TEST SPECIFICATION

Basic Standard:	IEC 61000-4-8
Frequency Range:	50 /60Hz
Field Strength:	3A/m
Observation Time:	5 minutes
Inductance Coil:	Rectangular type, 1 m x 1 m
Performance Criterion:	A

8.8.2.TEST PROCEDURE

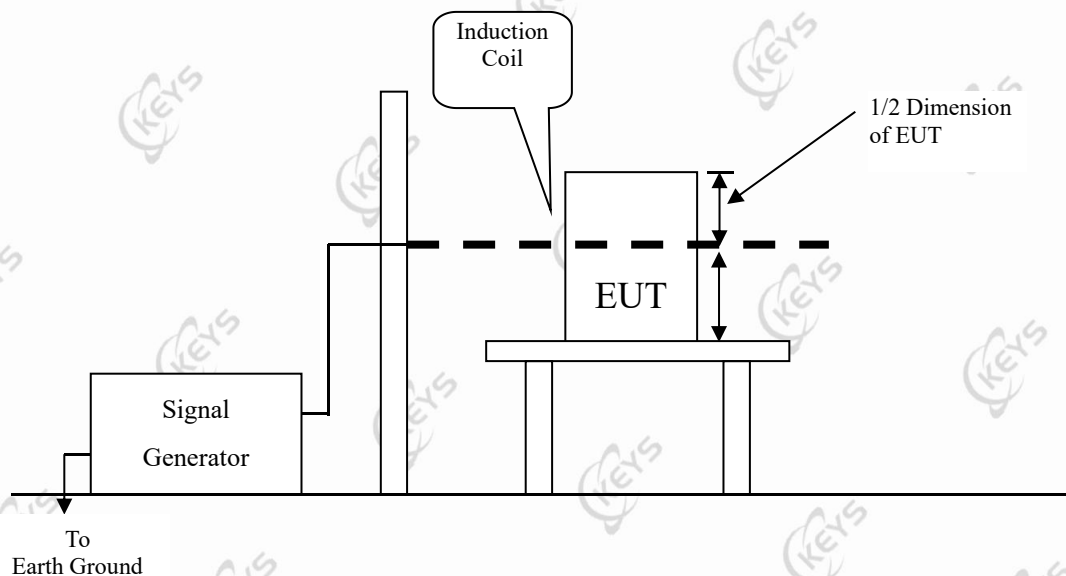
The equipment is configured and connected to satisfy its functional requirements. It shall be placed on the GRP with the interposition of a 0.1 m-thick insulating support.

The equipment cabinets shall be connected to the safety earth directly on the GRP via the earth terminal of the EUT.

The power supply, input and output circuits shall be connected to the sources of power supply, control and signal.

The cables supplied or recommended by the equipment manufacturer shall be used. 1 meter of all cables used shall be exposed to the magnetic field.

8.8.3.TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration

Guangdong KEYS Testing Technology Co., Ltd.

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This report is only responsible for the test results of the samples submitted for inspection, and is not responsible for the source of the samples submitted for inspection. This report shall not be altered, increased or deleted. Without written approval of KEYS, this test report shall not be copied except in full and published as advertisement.

Note:

TABLETOP EQUIPMENT

The equipment shall be subjected to the test magnetic field by using the induction coil of standard dimension (1 m x 1 m). The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.

FLOOR-STANDING EQUIPMENT

The equipment shall be subjected to the test magnetic field by using induction coils of suitable dimensions. The test shall be repeated by moving and shifting the induction coils, in order to test the whole volume of the EUT for each orthogonal direction. The test shall be repeated with the coil shifted to different positions along the side of the EUT, in steps corresponding to 50 % of the shortest side of the coil. The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.

8.8.4.TEST RESULT

Not applicable.

8.9. VOLTAGE DIPS AND SHORT INTERRUPTIONS

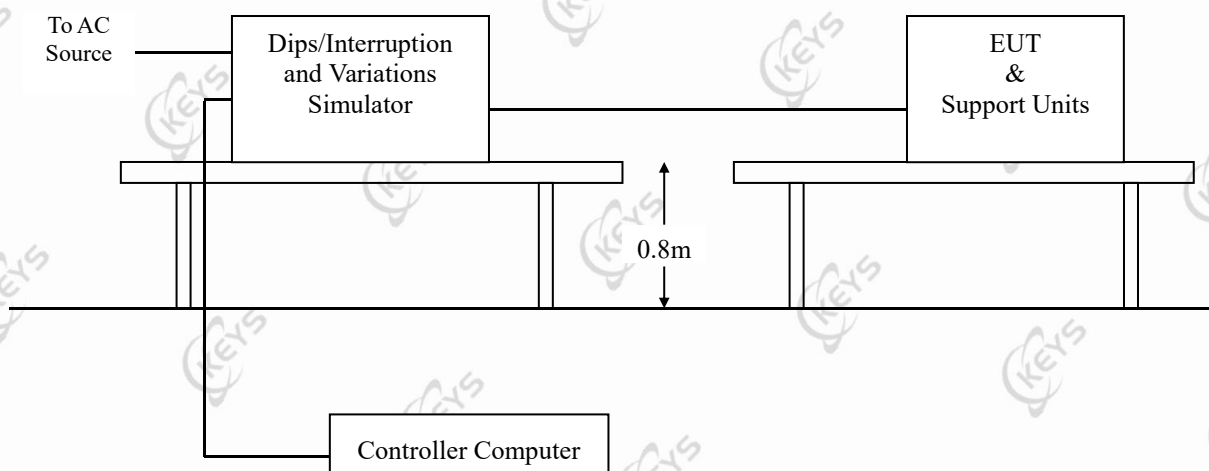
8.9.1. TEST SPECIFICATION

Basic Standard:	IEC 61000-4-11
Test Duration Time:	3 test events in sequence
Interval Between Event:	10 seconds
Phase Angle:	0°
Test Cycle:	3 times
Performance Criterion:	70% U_T / 10P, Criterion: B 0% U_T / 0.5 P, Criterion: B

8.9.2. TEST PROCEDURE

The EUT and support units were located on a wooden table, 0.8 m away from ground floor.
Setting the parameter of tests and then perform the test software of test simulator.
Changes to the voltage level shall occur at 0 degree crossing point in the a.c. voltage waveform.
Record the test result in test record form.

8.9.3. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

8.9.4.TEST RESULT

Product name	LED FLOODLIGHT	Test voltage:	230V/50Hz
Model	VT-44209CCT	Temperature:	23.4°C
Test Mode	Mode1	Relative Humidity :	56 % RH

Voltage (% U_T)	Duration (Period)	Observation	Performance Criterion
70	10	Note ☒ 1 ☐ 2 ☐ 3	A
0	0.5	Note ☒ 1 ☐ 2 ☐ 3	A

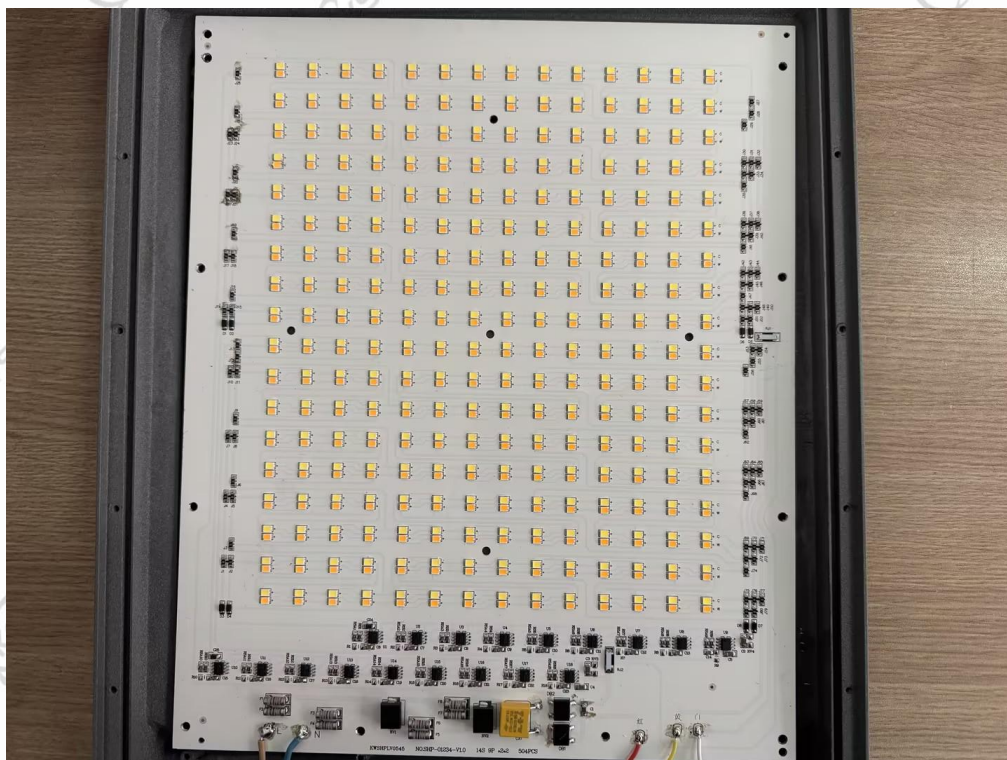
Note: 1) There was no change compared with initial operation during the test.

2) During the test the luminous intensity change ,and after the test the luminous intensity can be restored to its initial value within 1 min.

3) During the test, the luminous intensity change, and after the test the luminous intensity can return to normal within 30 min.

9. PHOTOGRAPHS OF EUT





**** End of Report ****