EMC TEST REPORT

for

3D Printed Ball Lamp

Model: DG-ML15

Other models see the list on Page 3 of the report

Prepared for: Foshan Sandagao Intelligent Technology Co., Ltd
Room 818, Block E, Xingguang Plaza, No. B270, East Lecong Avenue, Luzhou Village Committee, Lecong Town, Shunde District, Foshan, Guangdong

Prepared by: Shenzhen EZT Testing Technology Co., LTD
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Report Number：EZT20210410058ER
Date of Test： Apr.04,2021-Apr.10,2021
Date of Issue： Apr.10,2021

Tested By Mark Dan
Mark Dan

Approved By Steven
Steven

The results detailed in this test report relate only to the specific sample(s) tested. It is the Application's responsibility to ensure that all production units are manufactured with equivalent EMC characteristics. This report is not to be reproduced except in full, without written approval from EZT Testing Technology.

Table of contents

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1.0 General Information

1.1 Client Information

Application:	Foshan Sandagao Intelligent Technology Co., Ltd
Address of Application:	Room 818, Block E, Xingguang Plaza, No. B270, East Lecong Avenue, Luzhou Village Committee, Lecong Town, Shunde District, Foshan, Guangdong
Manufacturer:	Foshan Three Moon Technology Co., Ltd
Address of Manufacturer:	Floor 3, Stair B, Building B1, Core Area, Guangdong New Light Source Industrial Base, LuoCun, Shishan Town, Nanhai District, Foshan City, Guangdong Province

1.2 General Description of E.U.T.

Product Name:	3D Printed Ball Lamp
Model:	DG-ML15
Additional Model:	DG-XQxx, DG-MLxx, DG-STxx, DG-MSxx, DG-ETxx , DG-JPxx, DG-SLxx, DG-VNxx, (xx=04, 08, 10, 12, 13, 14, 15, 18, 20, 22, 24, 28, 30, 32, 40, 45, 50） DG-GLx, DG-MCxx, DG-FBxx, (xx=04,08,10,12,13,14,15,18,20,22,24,28,30,32,40,45,50）
Trade Mark:	N/A
Power Supply:	5V⎓5W

Model Difference:	All models above are identical in interior structure, electrical circuits and components same, just model names and sharp are different.

1.3 Test Facility:

Name of Test Lab:	Shenzhen EZT Testing Technology Co., Ltd.
Address of Test Lab:	3F, Zhongchuang Business Center, No.70 Xihuan Avenue , Matian Street, Guangming District, Shenzhen City, Guangdong Province, China.
Telephone:	+86-0755-33150178
Fax:	+86-0755-23218109

2.0 List of Measurement Equipment

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
Conducted emission					
EMI Test Receiver	ESCS30	1102.4500.30	RS	Oct. 06, 2020	Oct. 05, 2021
LISN	LS16C	10010947251	AFJ	Oct. 06, 2020	Oct. 05, 2021
Radiated emission					
EMI Test Receiver	ESVD	1026.5506.10	RS	Oct. 06, 2020	Oct. 05, 2021
Spectrum Analyzer	FSEM	1079.8500.30	RS	Oct. 06, 2020	Oct. 05, 2021
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
Amplifier	8447D	2727A05017	HP	Oct. 06, 2020	Oct. 05, 2021
Bilog Antenna	VULB9163	9163/340	Schwarebeck	Oct. 06, 2020	Oct. 05, 2021
Harmonic & Flicker					
Harmonics Flicker Test System	PACS-1	72305	CI	Oct. 06, 2020	Oct. 05, 2021
5K VA AC Power source	5001iX	56060	CI	Oct. 06, 2020	Oct. 05, 2021
Electrostatic Discharge					
Electostastic Discharge Generator	ESD61002AG	PR12092502	Prima	Oct. 06, 2020	Oct. 05, 2021
Continuous radiated disturbances					
Signal Generator	2022D	119246/003	Maconi	Oct. 06, 2020	Oct. 05, 2021
Power Amplifier	A00181-1000	9801-112	M2S	Oct. 06, 2020	Oct. 05, 2021
Power Amplifier	AC8113/ 800-250A	9801-179	M2S	Oct. 06, 2020	Oct. 05, 2021
Power Antenna	CBL6140A	1204	SCHAFFNER	Oct. 06, 2020	Oct. 05, 2021
EFT/Surge/Dip					
Fast Transient Burst Simulator	EFT61004BG	PR12074375	Prima	Oct. 06, 2020	Oct. 05, 2021
Lightning Surge Generator	SUG61005BG	PR12125534	Prima	Oct. 06, 2020	Oct. 05, 2021
CYCLE SAG SIMULATOR	DRP61011AG	PR12106201	Prima	Oct. 06, 2020	Oct. 05, 2021
Continuous conducted disturbances					
Signal Generator	2022D	119246/003	Maconi	Oct. 06, 2020	Oct. 05, 2021
Power Amplifier	A00181-1000	9801-112	M2S	Oct. 06, 2020	Oct. 05, 2021
CDN	M3-8016	003683	MEB		
Power-frequency Magnetic field					
Continuous Wave Simulator	UCS 500 M4	0304-42	EM TEST	Oct. 06, 2020	Oct. 05, 2021
Power Source Network	MV 2616	0104-14	EM TEST	Oct. 06, 2020	Oct. 05, 2021
Current Transformer	MC2630	--	EM TEST	Oct. 06, 2020	Oct. 05, 2021
Magnetic Coil	MS100	0304-42	EM TEST	Oct. 06, 2020	Oct. 05, 2021

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3.0 Technical Details

3.1 Investigations Requested

Perform Electromagnetic Interference [EMI] & Electromagnetic Susceptibility [EMS] tests for CE Marking

3.2 Test Standards

EN 55015:2013+A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61000-3-2:2014	Electromagnetic compatibility(EMC)- Part 3-2:Limits-Limits for harmonic current emissions(equipment input current ≤16A per phase)
EN 61000-3-3:2013	Electromagnetic compatibility (EMC)- Part 3-3:Limits-Limitation of voltage changes, Voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16A per phase and not subject to conditional connection
EN 61547:2009	Equipment for general lighting purposes-EMC immunity requirements

3.3 Performance Criteria

Criterion 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.

Criterion 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. 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.

Criterion C During and after the test, any change of the luminous intensity is allowed and the lamp(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. Additional requirement for lighting equipment incorporating a starting device: After the test, the lighting equipment is switched off. After half an hour, it is switched on again. The lighting equipment shall start and operate as intended.

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3.4 Test standards and Results Summary Tables

Test Condition	Test Requirement	Test Method	Test Result
EMISSION Results Summary			
Conducted Emission on AC Mains, 9KHz to 30MHz	EN 55015:2013+A1:2015	EN 55015:2013+A1:2015	N/A
Radiated Electromagnetic Disturbances 9KHz to 30MHz	EN 55015:2013+A1:2015	EN 55015:2013+A1:2015	N/A
Radiated Emissions, 30MHz to 300MHz	EN 55015:2013+A1:2015	EN 55015:2013+A1:2015	Pass
Harmonic Emissions on AC supply	EN 61000-3-2:2014	EN 61000-3-2:2014	N/A
Voltage fluctuations on AC supply	EN 61000-3-3:2013	EN 61000-3-3:2013	N/A
IMMUNITY Results Summary			
Electrostatic Discharge	EN 61547:2009	EN 61000-4-2: 2009	Pass
RF field strength susceptibility	EN 61547:2009	EN 61000-4-3:2006 +A1:2008+A2:2010	Pass
Electrical Fast transients /Burst Immunity	EN 61547:2009	EN 61000-4-4:2012	Pass
Surge	EN 61547:2009	EN 61000-4-5: 2006	N/A
Conducted susceptibility	EN 61547:2009	EN 61000-4-6: 2009	Pass
Power-frequency Magnetic Field	EN 61547:2009	EN 61000-4-8: 2010	Pass
Dips/Voltage Interruption Variation	EN 61547:2009	EN 61000-4-11: 2004	N/A

Note: N/A=Not applicable

3.5 Measurement Uncertainty（95% confidence levels, k=2)

No.	Item	MU
1.	Temperature	±0.1℃
2.	Humidity	±1.0%
3.	Spurious emissions, conducted	±3.70dB
4.	All emissions, radiated	±4.50dB

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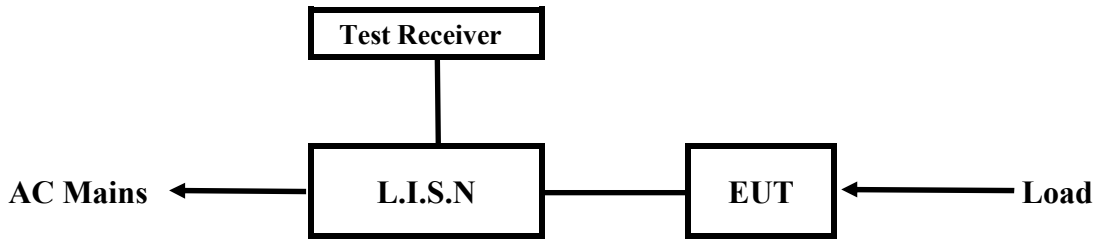
4.0 Electromagnetic Interference Test results

4.1 Power Line Conducted Emission Test

4.1.1 Schematics of the test



EUT: Equipment Under Test

4.1.2 Test Method and test Procedure

The test was performed in accordance with EN 55015

Test Voltage: 230V~, 50Hz

4.1.3 Test Equipment

Please refer to the Section 2

4.1.4 Power line conducted Emission Limit

The limits of the mains terminal disturbance voltage for the frequency range 9KHz to 30MHz are given in Table 2a, and the limits of the load/control terminal disturbance voltage for the frequency 150KHz to 30MHz are given in Table 2b/Table 2c.

Table 2a - Disturbance voltage limits at mains terminals

Frequency range	Limits dB(μ V)	
	Quasi-peak Level	Average Level
9 kHz to 50 kHz	110	-
50 kHz to 150 kHz	90 to 80	-
150 kHz to 0.5MHz	66 to 56	56 to 46
0.5MHz to 5.0MHz	56	46
5MHz to 30MHz	60	50
a、At the transition frequency, the lower limit applies. b、The limit decreases linearly with the logarithm of the frequency in the ranges 50 kHz to 150 kHz and 150 kHz to 0.5MHz. c、For electrodeless lamps and luminaires, the limit in the frequency range of 2,51MHz to 3,0MHz is 73 dB(μ V) Quasi-peak and 63 dB(μ V) average.		

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Table 2b - Disturbance voltage limits at load terminals

Frequency(MHz)	Limits dB(μ V)	
	Quasi-peak Level	Average Level
0.15MHz to 0.50MHz	80	70
0.50MHz to 30MHz	74	64

At the transition frequency, the lower limit applies.

Table 2c - Disturbance voltage limits at control terminals

Frequency(MHz)	Limits dB(μ V)	
	Quasi-peak Level	Average Level
0.15MHz to 0.50MHz	84 to 74	74 to 64
0.50MHz to 30MHz	74	64

NOTE 1: The limits decrease linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.
NOTE 2: The voltage disturbance limits are derived for use with an impedance stabilization network (ISN) which Presents a common mode (asymmetric mode) impedance of 150Ω to the control terminal.

4.1.5 Photo documentation of the test set-up

Please refer to the Section 7

4.1.6 Test specification:

Environmental conditions: Temperature: 26° C Humidity: 56% Atmospheric pressure: 103kPa

Frequency range: 0.009 MHz – 30 MHz

4.1.7 Test result

The requirements are FULFILLED

Remarks: According to the EN 55015: 2013

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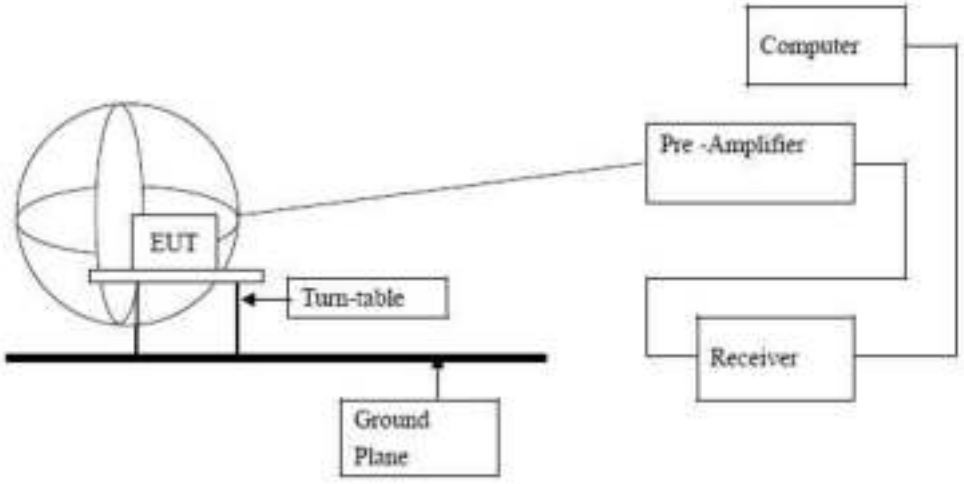
4.2 Radiated electromagnetic disturbances

4.2.1 Test Method:

The test was performed in accordance with EN 55015

Block diagram of Test setup



4.2.2 Radiated electromagnetic disturbances Limits

Frequency Range (MHz)	Limits for loop diameter (dB μ A)		
	2m	3m	4m
9kHz to 70kHz	88	81	75
70kHz to 150kHz	88 to 58	81 to 51	75 to 45
150kHz to 2.2MHz	58 to 26	51 to 22	45 to 16
2.2MHz to 3.0MHz	58	51	45
3.0Hz to 30MHz	22	15 to 16	9 to 12

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

2. Decreasing/Increasing linearly with the logarithm of the frequency.

4.2.3 Photo documentation of the test set-up

Please refer to the Section 7

4.2.4 Test Equipment:

Please refer to the Section 2

4.2.5 Test specification:

Environmental conditions: Temperature 26° C Humidity: 51% Atmospheric pressure: 103kPa

4.2.6 Test Result

Please refer to next page

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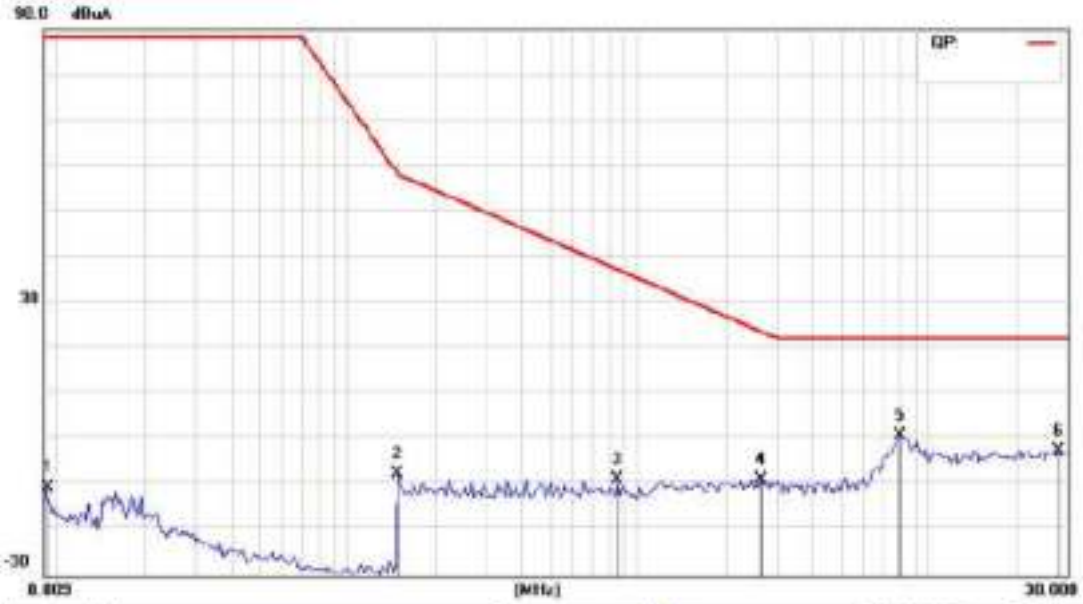
Radiated electromagnetic disturbances in X (9kHz to 30MHz)



Site: Chamber #1 Phase: X Temperature: 26 (C)

Limit: EN55015_2LOOP Power: Humidity: 51 %

Mode: LIGHTING

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuA	dB	dBuA	dBuA	dB	Detector	Comment
1		0.0092	-5.21	-5.57	-10.78	88.00	-98.78	peak	
2		0.1488	12.32	-19.99	-7.67	58.29	-65.96	peak	
3		0.8522	12.08	-20.93	-8.85	37.12	-45.97	peak	
4		2.6318	12.28	-21.02	-8.74	23.57	-32.31	peak	
5	*	7.9963	13.89	-13.22	0.67	22.00	-21.33	peak	
6		27.8878	14.81	-17.33	-2.52	22.00	-24.52	peak	

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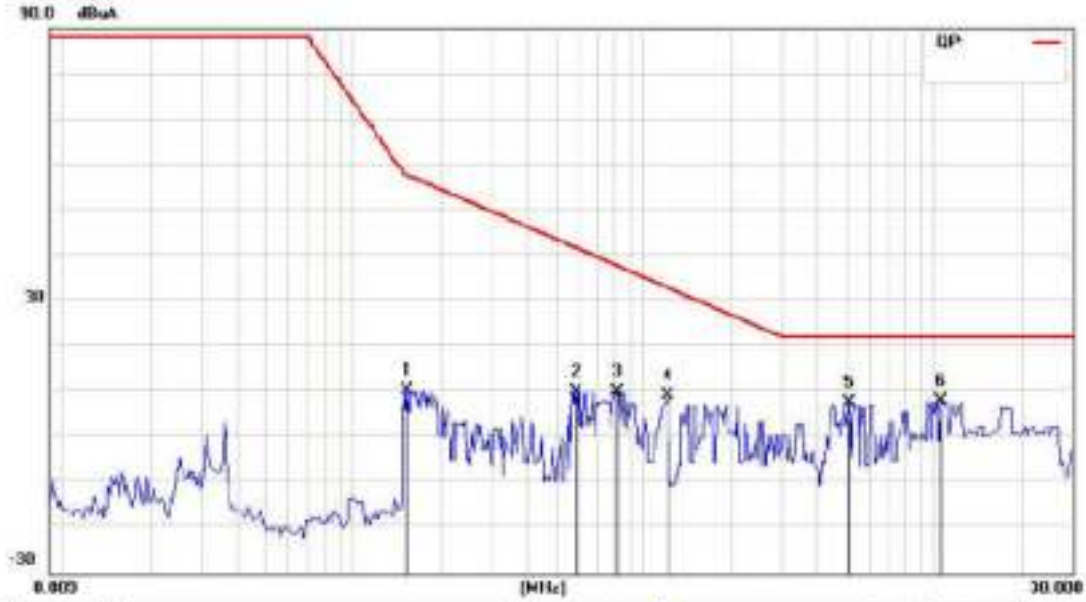
Radiated electromagnetic disturbances in Y (9kHz to 30MHz)



Site: Chamber #1 Phase: Y Temperature: 26 (C)
Limit: EN55015_2LOOP Power: Humidity: 51 %

Mode: LIGHTING
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuA	dB	dBuA	dBuA	dB	Detector	Comment
1		0.1539	30.46	-20.02	10.44	57.88	-47.24	peak	
2		0.5866	30.97	-20.79	10.18	41.61	-31.43	peak	
3		0.8114	30.94	-20.83	10.11	37.71	-27.60	peak	
4		1.2076	30.21	-21.18	9.03	32.93	-23.90	peak	
5		5.1181	30.19	-22.43	7.76	22.00	-14.24	peak	
6	*	10.5358	24.51	-16.57	7.94	22.00	-14.06	peak	

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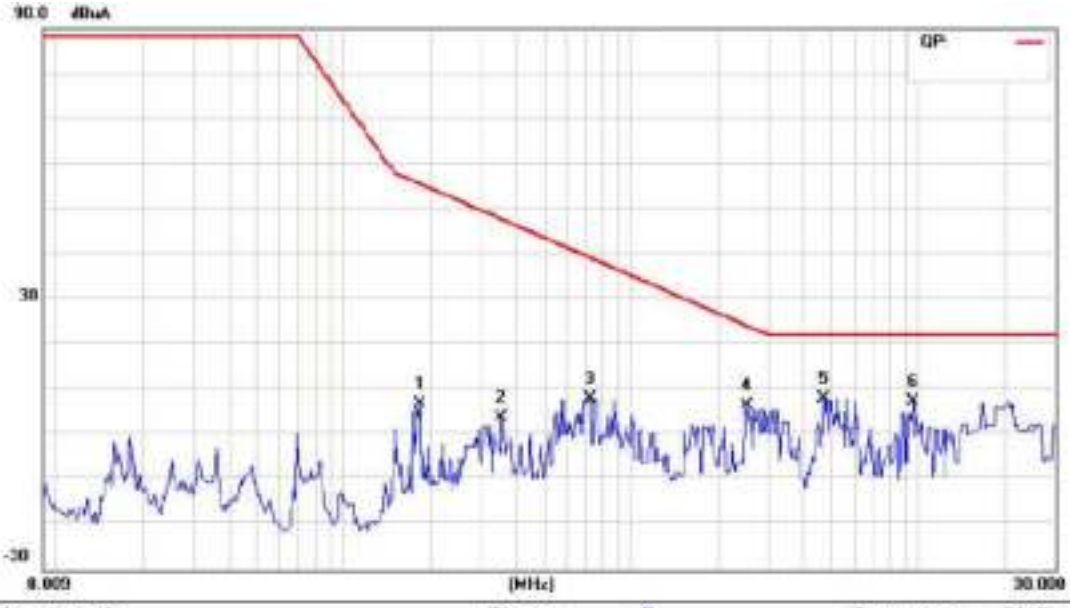
Radiated electromagnetic disturbances in Z (9kHz to 30MHz)



Site: Chamber #1 Phase: Z Temperature: 26 (C)
Limit: EN55015_2LOOP Power: Humidity: 51 %

Mode: LIGHTING
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuA	dB	dBuA	dBuA	dB	Detector	Comment
1		0.1839	26.99	-20.20	6.79	55.54	-48.75	peak	
2		0.3548	24.40	-20.53	3.87	47.65	-43.78	peak	
3		0.7246	28.79	-20.80	7.99	39.07	-31.08	peak	
4		2.5272	27.35	-20.96	6.39	24.06	-17.67	peak	
5	*	4.6814	30.17	-22.14	8.03	22.00	-13.97	peak	
6		9.5586	23.10	-15.77	7.33	22.00	-14.67	peak	

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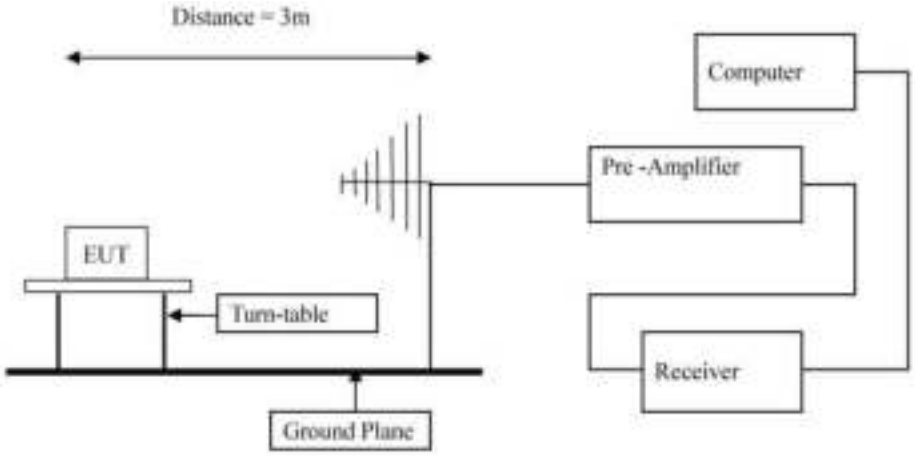
4.3 Radiated Emission Test

4.3.1 Test Method: The test was performed in accordance with EN 55015

4.3.2 Block diagram of Test setup



4.3.3 Radiated Emission Limit

Frequency Range (MHz)	Distance (m)	Quasi-Peak limits (dB μ V/m)
30-230	3	40.00
230-300	3	47.00

Note: The lower limit shall apply at the transition frequencies

4.3.4 Photo documentation of the test set-up

Please refer to the Section 7

4.3.5 Test Equipment:

Please refer to the Section 2

4.3.6 Test specification:

Environmental conditions: Temperature 26° C Humidity: 56% Atmospheric pressure: 103kPa

4.3.7 Test result

The requirements are FULFILLED

Remarks: According to the EN 55015: 2013

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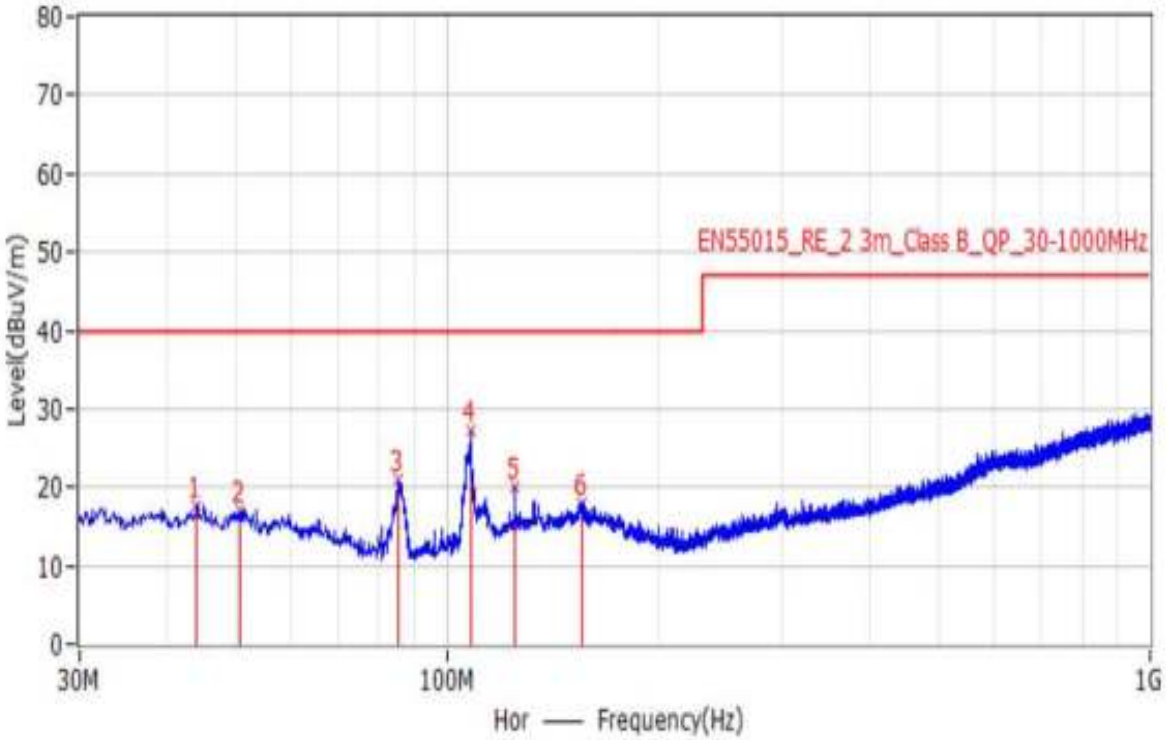
A. Radiated Emission In Horizontal (30MHz----300MHz)



No.	Frequency	Level dBuV/m	Factor dB/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Angle deg
1*	44.065 MHz	17.6	17.3	40.0	-22.4	PK	Hor	199.0	291.0
2*	50.612 MHz	17.2	17.3	40.0	-22.8	PK	Hor	199.0	229.0
3*	85.411 MHz	20.9	12.8	40.0	-19.1	PK	Hor	196.0	0.0
4*	107.964 MHz	27.4	14.2	40.0	-12.6	PK	Hor	175.0	0.0
5*	124.939 MHz	20.2	15.6	40.0	-19.8	PK	Hor	199.0	1.0
6*	155.615 MHz	18.1	17.2	40.0	-21.9	PK	Hor	100.0	0.0

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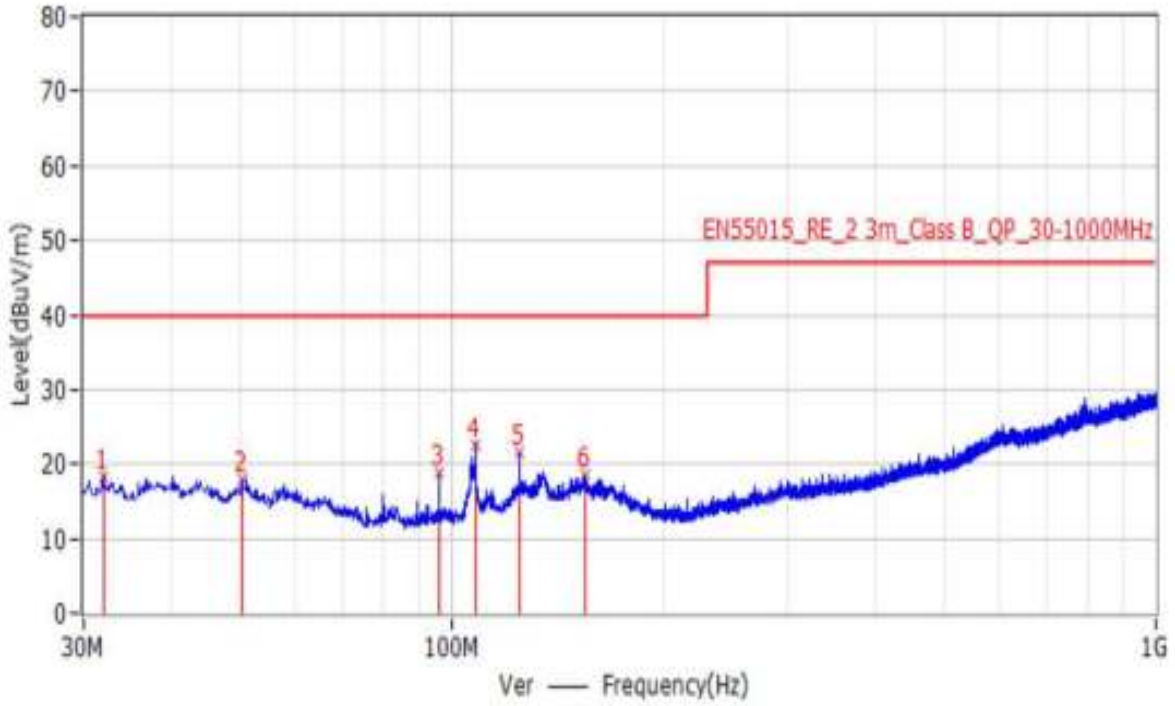
B. Radiated Emission In Vertical (30MHz----300MHz)



No.	Frequency	Level dBuV/m	Factor dB/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Angle deg
1*	31.940 MHz	18.4	16.7	40.0	-21.6	PK	Ver	100.0	70.0
2*	50.370 MHz	18.1	17.3	40.0	-21.9	PK	Ver	100.0	0.0
3*	95.960 MHz	18.8	13.3	40.0	-21.2	PK	Ver	100.0	0.0
4*	107.964 MHz	22.6	14.2	40.0	-17.4	PK	Ver	100.0	0.0
5*	124.939 MHz	21.5	15.6	40.0	-18.5	PK	Ver	100.0	70.0
6*	154.281 MHz	18.6	17.1	40.0	-21.4	PK	Ver	100.0	297.0

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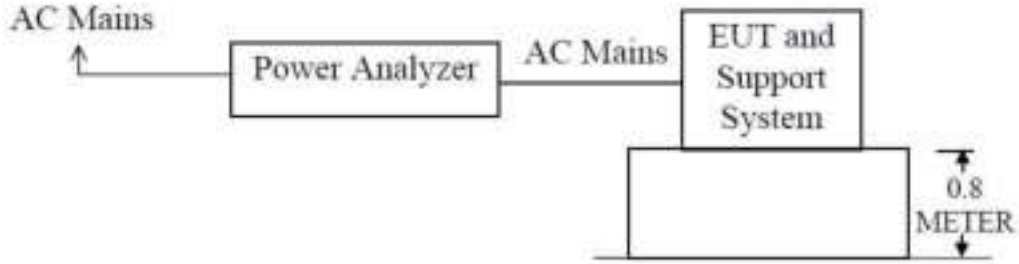
4.4 Harmonic Current Emissions

4.4.1 EUT Operating Mode

Lighting Mode

4.4.2 Block Diagram of Test Setup.



This test was performed as per EMC Basic Standard EN61000-3-2 Class C

4.4.3 Test Equipment

Please refer to Section 2 this report.

4.4.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

4.4.5 Results

Port	EUT Operating mode	Result (Passed / Failed)
AC Input	Lighting Mode	Pass

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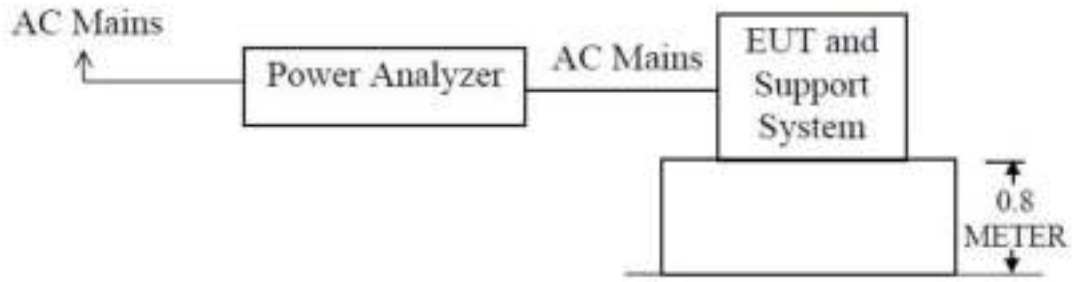
4.5 Flicker and Voltage Fluctuation

4.5.1 EUT Operating Mode

Lighting Mode

4.5.2 Block Diagram of Test Setup.



This test was performed as per EMC Basic Standard EN 61000-3-3

4.5.3 Limits of Voltage Fluctuation and Flicks Measurement

Test Item	Limit	Note
P_{st}	1.0	Pst means short-term flicker indicator
P_{lt}	0.65	Plt means long-term flicker indicator
T_{dt} (ms)	500	Tdt means maximum time that dt exceeds 3%.
d_{max} (%)	4	Dmax means maximum relative voltage change.
dc (%)	3.3	Dc means relative steady-state voltage change.

4.5.4 Test Equipment

Please refer to Section 2 this report.

4.5.5 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

4.5.6 Results

Port	EUT Operating mode	Result (Passed / Failed)
AC Input	Lighting Mode	Pass

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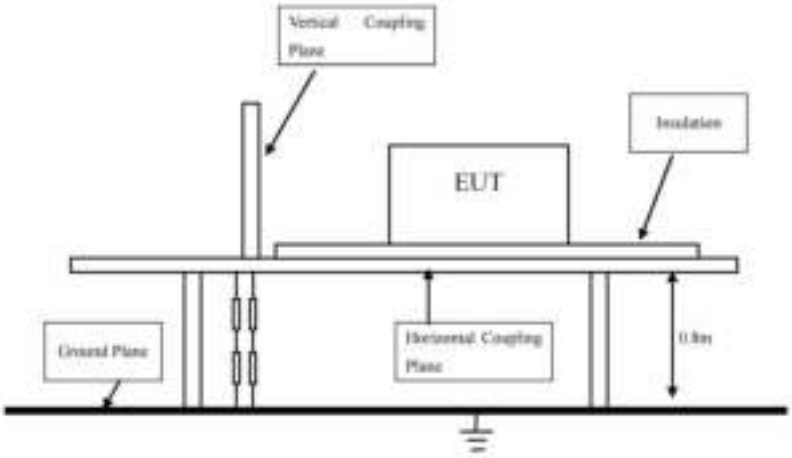
5.0 Immunity Test

5.1 Electrostatic Discharge

5.1.1 Schematic of the test



5.1.2 Test method

The test was performed in accordance with EN 61000-4-2

5.1.3 Test severity

±4kV for direct & in-direct Contact Discharge

±8kV for air Discharge

Performance Criterion Require: **B**

5.1.4 Test Equipment

Please refer to Section 2 this report.

5.1.5 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.1.6 Operation mode: Lighting Mode

5.1.7 Discharge location
- HCP
- VCP
- Shell

5.1.8 Test Result Pass

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5.2 RF field strength susceptibility (80MHz------ 1000MHz)

5.2.1 Test Method:

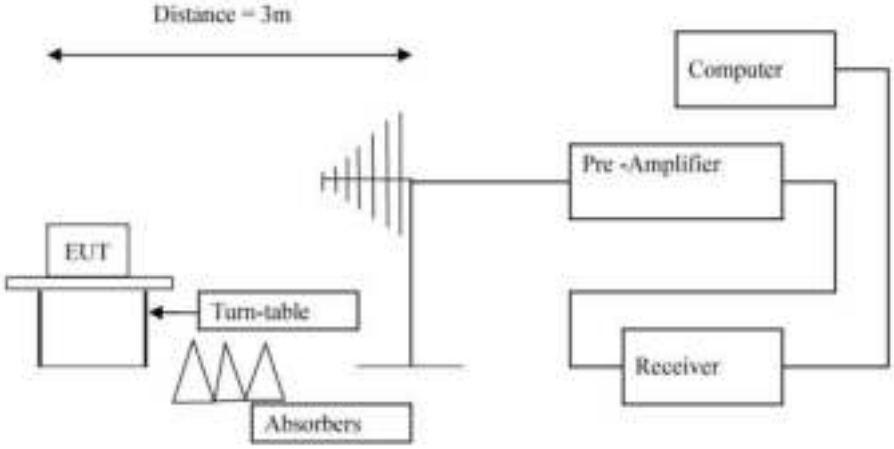
The test was performed in accordance with EN 61000-4-3

Severity: Level 2 (3V/m)

Modulation: 1 KHz 80% AM

Performance Criterion Require: A

Block diagram of Test setup



5.2.2 Test Equipment

Please refer to Section 2 this report.

5.2.3 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.2.4 Operation mode: Lighting Mode

5.2.5 Test Result:

Please refer to the following table for individual results.

Frequency (MHz)	Radiation to	Polarity	Level (V/m)	Dwell Time(s)	Sweep Rate (%)	Results
80-1000	Front	Horizontal	3	1	1	Pass
80-1000	Rear	Horizontal	3	1	1	Pass
80-1000	Left	Horizontal	3	1	1	Pass
80-1000	Right	Horizontal	3	1	1	Pass
80-1000	Front	Vertical	3	1	1	Pass
80-1000	Rear	Vertical	3	1	1	Pass
80-1000	Left	Vertical	3	1	1	Pass
80-1000	Right	Vertical	3	1	1	Pass

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5.3 Electrical Fast Transient/Burst (EFT/B) immunity test

5.3.1 Schematics of the test

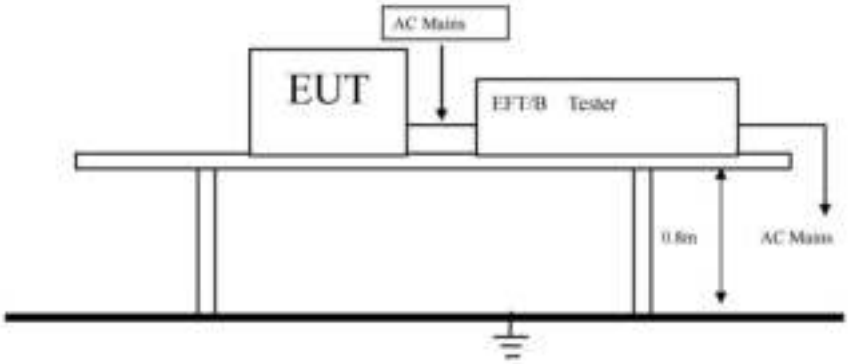
5.3.2 Test Method

The test was performed in accordance with EN 61000-4-4

Severity: Level 2 (1kV)

Performance Criterion Require: **B**

Block diagram of Test setup



5.3.3 Test Equipment

Please refer to Section 2 this report.

5.3.4 Test specification:

Environmental conditions: Temperature: 22° C Humidity: 54% Atmospheric pressure: 103kPa

5.3.5 Operation mode: Lighting Mode

5.3.6 Test Results

Inject location: AC mains

Inject Line	Voltage kV	Inject Times (s)	Method	Results
L	±1	120	Direct	N/A
N	±1	120	Direct	N/A
L、N	±1	120	Direct	N/A
E	±1	120	Direct	N/A
L、E	±1	120	Direct	N/A
N、E	±1	120	Direct	N/A
L、N、E	±1	120	Direct	N/A

Note: N/A=Not applicable

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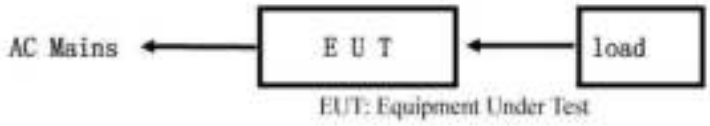
5.4 Surge test

5.4.1 Schematics of the test



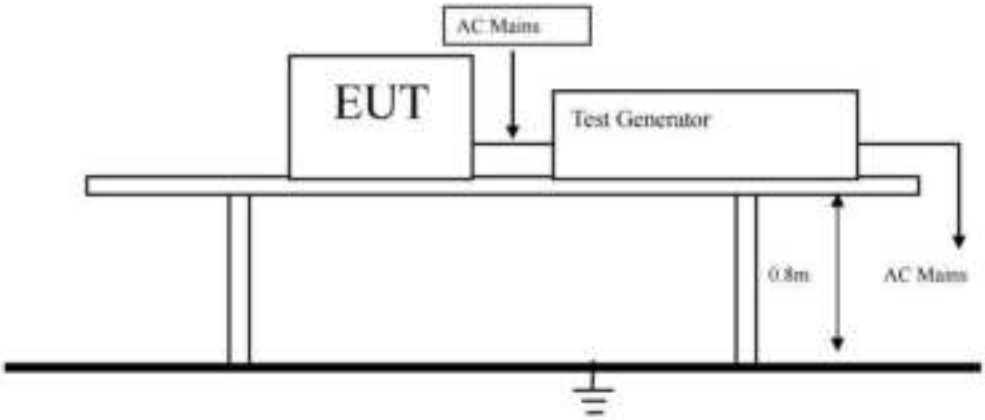
5.4.2 Test Method:

The test was performed in accordance with EN 61000-4-5

Severity: Level 2

Performance Criterion Require: B

Block diagram of Test setup



5.4.3 Test Equipment

Please refer to Section 2 this report.

5.4.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.4.5 Operation mode: Lighting Mode

5.4.6 Test Results

5 pulses for each polarity and test voltage, and repetition rate is 1 per min.

Location	Polarity	0°	90°	180°	270°	Results
L-N	+1 KV	N/A	n.r.r.	N/A	N/A	Pass
	-1 KV	N/A	N/A	N/A	n.r.r.	Pass
L-PE	+2 KV	N/A	N/A	N/A	N/A	N/A
	-2 KV	N/A	N/A	N/A	N/A	N/A
N-PE	+2 KV	N/A	N/A	N/A	N/A	N/A
	-2 KV	N/A	N/A	N/A	N/A	N/A

Remark: 1) n.r.r. = no reaction recognized, N/A = not applicable.

2) Performance Criteria A Observed.

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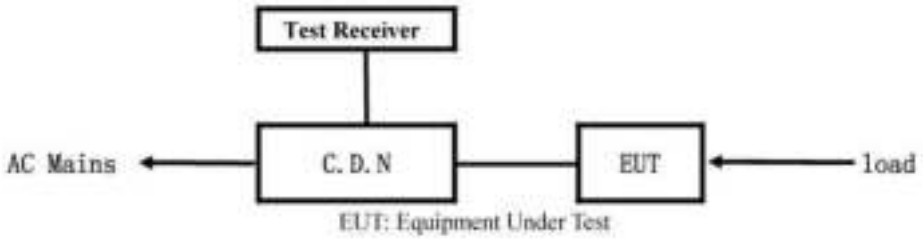
5.5 Conducted Immunity test

5.5.1 Schematics of the test



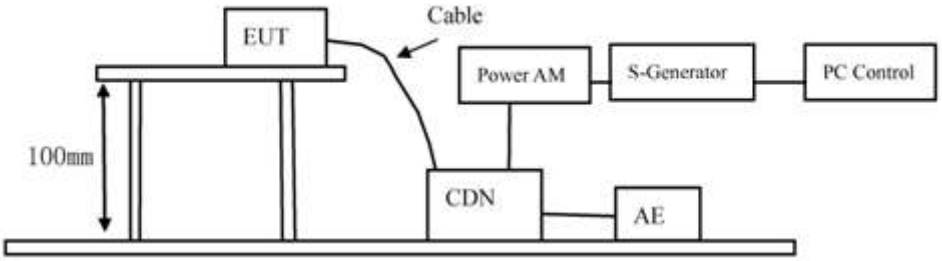
5.5.2 Test Method

The test was performed in accordance with EN 61000-4-6

Severity: Level 2 (3 V rms),0.15MHz—80MHz

Performance Criterion Require: A

Block diagram of Test setup



5.5.3 Test Equipment

Please refer to Section 2 this report.

5.5.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.5.5 Operation mode: Lighting Mode

5.5.6 Test Results:

Frequency Range (MHz)	Injected Position	Strength	Criterion	Result
0.15 - 80	AC Line	3V (rms) Unmodulated	A	Pass

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5.6 Power-Frequency magnetic field test

5.6.1 Schematics of the test

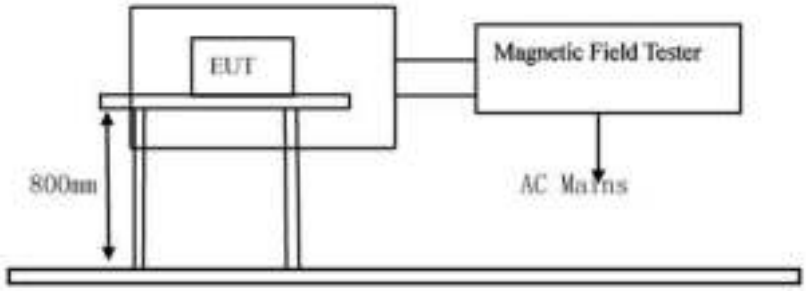
5.6.2 Test Method

The test was performed in accordance with EN 61000-4-8

Severity: Level 2 (3A/m),

Performance Criterion Require: A

Block diagram of Test setup



5.6.3 Test Equipment

Please refer to Section 2 this report.

5.6.4 Test specification:

Environmental conditions: Temperature: 24° C Humidity: 54% Atmospheric pressure: 103kPa

5.6.5 Operation mode: Lighting Mode

5.6.6 Test Results:

Test Level	Testing Duration	Coil Orientation	Criterion	Result
3A/m	5 Mins	X	A	Pass
3A/m	5 Mins	Y	A	Pass
3A/m	5 Mins	Z	A	Pass

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5.7 Voltage Dips/Interruptions immunity test

5.7.1 Schematics of the test

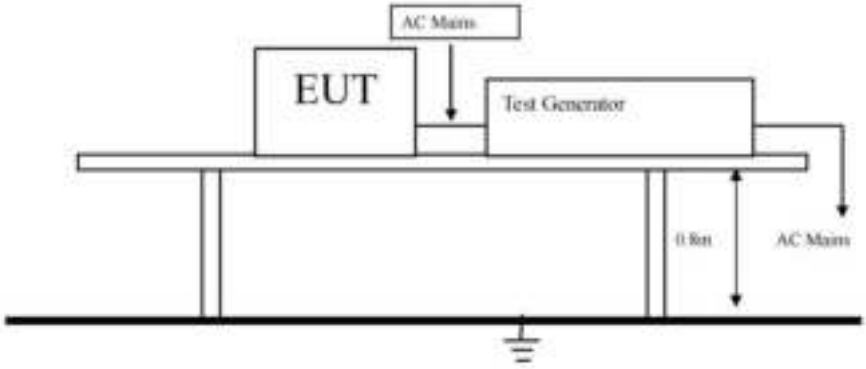
EUT: Equipment Under Test

5.7.2 Test Method:

The test was performed in accordance with EN 61000-4-11

Performance Criterion Require: C&B

Block diagram of Test setup



5.7.3 Test Equipment

Please refer to Section 2 this report.

5.7.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.7.5 Operation mode: Lighting Mode

5.7.6 Test Result:

Voltage Dip: Voltage Interceptions:

Test Level % Ut	Reduction	Duration (periods)	Phase Angle	Meet Criterion	Result
0	100	0.5	0° - 360°	B	Pass
70	30	10	0° - 360°	C	Pass

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6.0 CE Label

6.1 label specification

Text of the mark is black or white in color and is left justified. Labels are printed in indelible ink on permanent adhesive backing and shall be affixed at a conspicuous location on the EUT or silk-screened onto the EUT.

6.2 Mark Location: On the product body

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7.0 Photos of the Testing

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8.0 Photos of the EUT

****** END OF REPORT******

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