



Test Report

Report No.: BC-107E-1278/26

Product : Double-capped LED lamp
Model/Type : See model list
Brand Name : DICHANG
Applicant : DICHANG PTY LTD
Application No. : BC-20260408-008
Date of Issue : 2026-07-11
Standards : AS/NZS CISPR 15:2025

Zhongshan Botech Certification and Testing Co., Ltd.
1-2F, Building 11, No. 8, MuLinsen Avenue, Xiaolan Town,
Zhongshan City, Guangdong Province, P.R.China



TABLE OF CONTENTS

1- GENERAL INFORMATION.....	1
1.1 TEST SUMMARY.....	1
1.2 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	2
1.3 TEST STANDARDS.....	2
1.4 TEST METHODOLOGY.....	3
1.5 TEST LOCATION.....	3
2- SYSTEM TEST CONFIGURATION.....	4
2.1 JUSTIFICATION.....	4
2.2 EQUIPMENT MODIFICATIONS.....	4
2.3 BASIC CONFIGURATION OF TEST SYSTEM.....	4
2.4 GENERAL DESCRIPTION OF TEST AUXILIARY.....	4
3- DISTURBANCE VOLTAGE AT POWER SUPPLY INTERFACE.....	5
3.1 MEASUREMENT UNCERTAINTY.....	5
3.2 LIMIT OF DISTURBANCE VOLTAGE AT MAINS TERMINALS.....	5
3.3 EUT SETUP.....	5
3.4 TEST EQUIPMENT LIST AND DETAILS.....	6
3.5 INSTRUMENT SETUP.....	6
3.6 TEST PROCEDURE.....	6
3.7 TEST DATA.....	6
4- LLAS RADIATED DISTURBANCE.....	13
4.1 MEASUREMENT UNCERTAINTY.....	13
4.2 LIMIT OF RADIATED ELECTROMAGNETIC DISTURBANCE.....	13
4.3 EUT SETUP.....	13
4.4 TEST EQUIPMENT LIST AND DETAILS.....	14
4.5 INSTRUMENT SETUP.....	14
4.6 TEST PROCEDURE.....	14
4.7 CORRECTED AMPLITUDE & MARGIN CALCULATION.....	14
4.8 TEST DATA.....	14
5- RADIATED DISTURBANCES (CDNE METHOD).....	24
5.1 MEASUREMENT UNCERTAINTY.....	24
5.2 LIMIT OF RADIATED DISTURBANCES.....	24
5.3 EUT SETUP.....	24
5.4 TEST EQUIPMENT LIST AND DETAILS.....	24
5.5 TEST RECEIVER SETUP.....	25
5.6 TEST PROCEDURE.....	25
5.7 CORRECTED AMPLITUDE & MARGIN CALCULATION.....	25
5.8 TEST DATA.....	25
APPENDIX A - EUT PHOTOGRAPHS.....	29
APPENDIX B - TEST SETUP PHOTOGRAPHS.....	37

1- GENERAL INFORMATION

1.1 Test Summary

Table 1:

Standard	Test Items	Status	Result
AS/NZS CISPR 15	Disturbance Voltage at power supply interface (9kHz to 30MHz)	☒	Pass
	LLAS Radiated Disturbance (9kHz to 30MHz)	☒	Pass
	Radiated Disturbances (30MHz to 300MHz, CDN method)	☒	Pass

Note: ☒ Indicates that the test is applicable, ☐ Indicates that the test is not applicable or not tested.

Table2:

Standard	Test Items	Status	Result
IEC 61000-3-2	Harmonic Current Test	☐	N/A
IEC 61000-3-3	Voltage Fluctuations and Flicker Test	☐	N/A

Note: ☒ Indicates that the test is applicable, ☐ Indicates that the test is not applicable or not tested.

Table 3

Standard	Test Items	Status	Result
IEC 61547:	Test items as below listed	☐	N/A
IEC 61000-4-2	Electrostatic discharge Immunity	☐	N/A
IEC 61000-4-3	Radiated Susceptibility (80MHz to 1GHz)	☐	N/A
IEC 61000-4-4	Electrical Fast Transient/Burst Immunity	☐	N/A
IEC 61000-4-5	Surge Immunity	☐	N/A
IEC 61000-4-6	Conducted Susceptibility (150kHz to 80MHz)	☐	N/A
IEC 61000-4-8	Power Frequency Magnetic Field Immunity (50/60Hz)	☐	N/A
IEC 61000-4-11	Voltage Dips, Short Interruptions Immunity	☐	N/A

Note: ☒ Indicates that the test is applicable, ☐ Indicates that the test is not applicable or not tested.

Tested By: Yihui He

/ Yihui

Date: 2026-07-11

Reviewed By: Weiling Liao

/ Weiling

Date: 2026-07-11

Approved By: Leo Wang

/ Leo

Date: 2026-07-11



1.2 Product Description for Equipment under Test (EUT)

Client Information

Applicant: DICHANG PTY LTD
 Address of applicant: 326/28 Bonar street, Arncliffe, NSW 2205
 Manufacturer: Zhongshan Shuori Lighting and Electrical Appliances Co., Ltd.
 Address of manufacturer: 4 of 2nd Floor, No.19 Building Second Floor, Bank West Road Haizhou District, Guzhen Town 528421 Zhongshan, Guangdong, CHINA
 Factory: Same as manufacturer
 Address of factory: Same as manufacturer

General Description of E.U.T

EUT Name: Double-capped LED lamp

Trade Mark:



EUT Model No.: T8-15W-G13, T8-28W-G13, T8-30W-G13

Supplementary Models: See model list

Power Supply: ☒ 220-240V~, 50/60Hz
☐ Power by AC/DC adaptor

Remark:

1. The products are double-capped LED lamps, for indoor use only.
2. The products are classified as type A that one end of the lamp has the lamp cap pins electrically bridged and the other end of the lamp has the line and neutral supply connected to the pins of that lamp cap.
3. Models T8-15W-G13, T8-28W-G13 and T8-30W-G13 were chosen for full tests.

Model list

Model name	Rated power (W)	Length (mm)	LED quantity (pcs)	PCB type for LED driver
T8-9W-G13	9	600	54	Type 1
T8-15W-G13	15	600	87	Type 1
T8-18W-G13	18	1200	96	Type 2
T8-28W-G13	28	1200	160	Type 2
T8-24W-G13	24	1500	120	Type 2
T8-30W-G13	30	1500	170	Type 2

1.3 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with
 AS/NZS CISPR 15:2025

The objective of the manufacturer is to demonstrate compliance with the described standards above.

1.4 Test Methodology

All measurements contained in this report were conducted with CISPR 16 series.
According to the declaration of the applicant, the clock frequency of the product is less than 30MHz. Therefore, CDNE method is acceptable for the radiated disturbance test.

1.5 Test Location

Tested by: Zhongshan Botech Certification and Testing Co., Ltd.
1-2F, Building 11, No. 2, MuLinShen Avenue, Xiaolan Town, Zhongshan City, Guangdong Province,
P.R.China

2- SYSTEM TEST CONFIGURATION

2.1 Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

2.2 Equipment Modifications

The EUT tested was not modified by BCT.

2.3 Basic Configuration of Test System

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

Immunity: The equipment under test (EUT) was configured to the representative operating mode and conditions.



EUT

2.4 General Description of Test Auxiliary

None

EUT Description:	Manufacturer	Model No.	Certificate
/	/	/	/

3- DISTURBANCE VOLTAGE AT POWER SUPPLY INTERFACE

3.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN. The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is 3.3 dB.

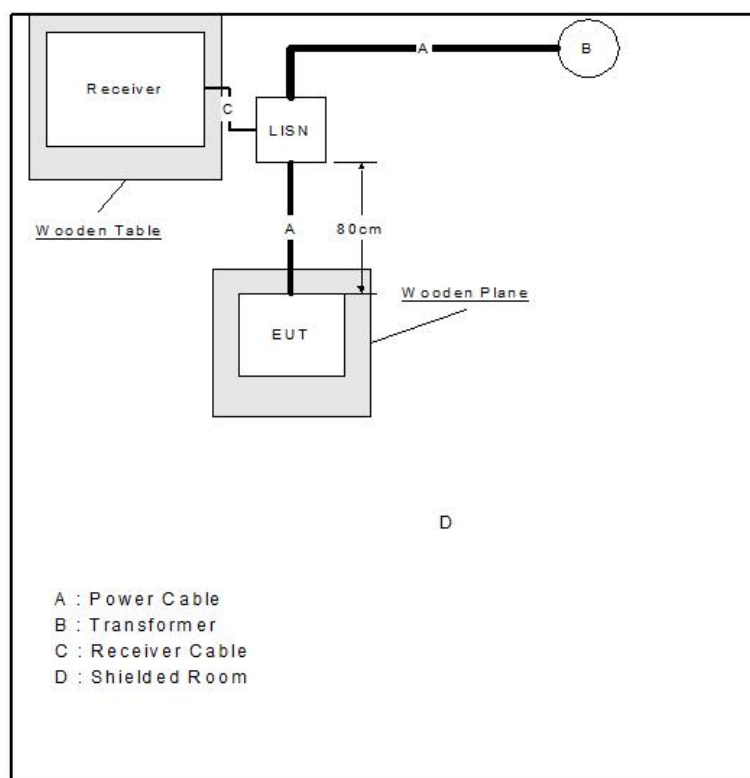
3.2 Limit of Disturbance Voltage at Mains Terminals

Frequency Range (MHz)	Quasi-Peak (dB μ V)	Average (dB μ V)
9kHz ~ 50kHz	110	-----
50kHz ~ 150kHz	90 ~ 80*	-----
150kHz ~ 0.5MHz	66 ~ 56*	56~46*
0.5MHz ~ 5.0MHz	56	46
5.0MHz ~ 30MHz	60	50

NOTE 1: The tighter limit shall apply at the edge between two frequency bands.

NOTE 2: The limits decrease linearly with the logarithm of the frequency in the range 50kHz to150 kHz and 150 kHz to 0.5 MHz.

3.3 EUT Setup



The setup of EUT is according with CISPR 16-1-1: 2006, CISPR 16-2-1: 2014+A1:2017 measurement procedure. The specification used was the CISPR 15 limits.

The EUT was placed center and the back edge of the test table.

The cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

3.4 Test Equipment List and Details

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R & S	ESR3	102173	2026-05-12	2027-05-11
L.I.S.N.	R & S	ENV216	102182	2026-06-24	2027-06-23

3.5 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....9 kHz to 30 MHz
 Detector.....Peak & Quasi-Peak & Average
 Sweep Speed.....Auto
 IF Band Width.....200Hz / 9kHz

3.6 Test Procedure

1. During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.
2. Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.
3. All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "QP". Average readings are distinguished with a "AVG".

3.7 Test Data

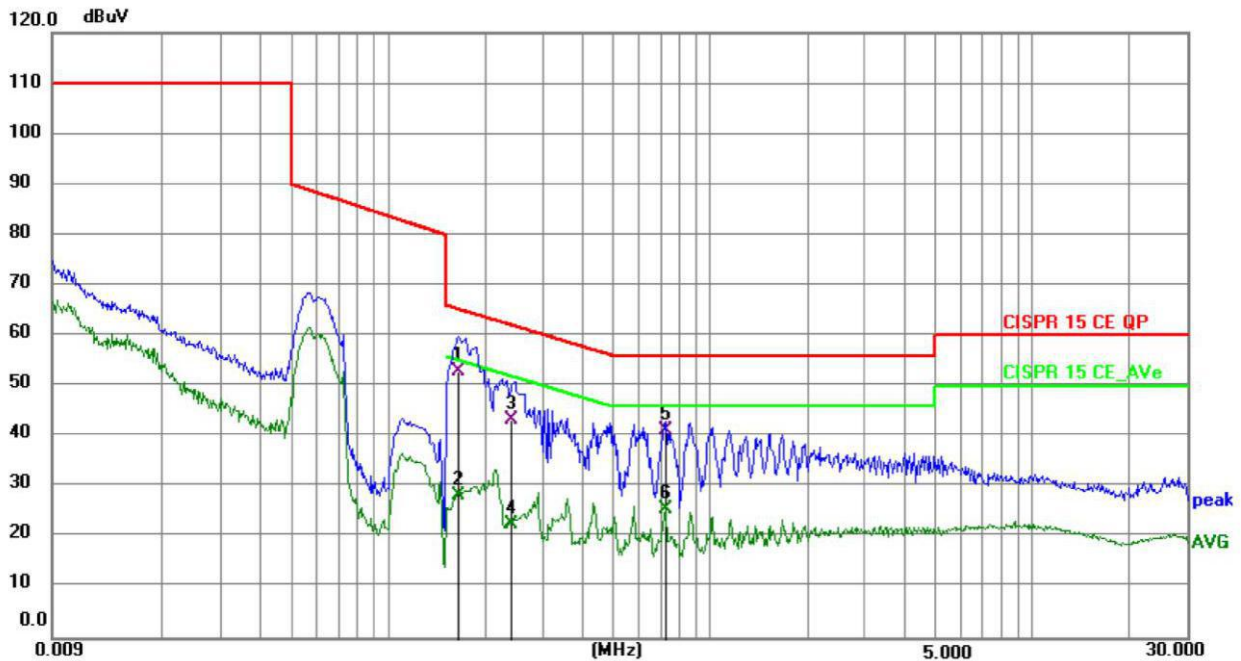
Temperature:	24.7 (°C)
Humidity:	56 (%R.H.)
Barometric Pressure:	1010 (mbar)
Operating Mode:	On
Test Specification:	AC 230V/50Hz
Date of Test:	2026-05-15
Test Result:	Pass

EUT Model No.: T8-15W-G13

Comment: Live Line

Level: dB μ V

Peak & Average Scan



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1651	33.28	19.58	52.86	65.20	-12.34	QP	P	
2	0.1651	8.88	19.58	28.46	55.20	-26.74	AVG	P	
3	0.2393	23.77	19.57	43.34	62.12	-18.78	QP	P	
4	0.2393	3.13	19.57	22.70	52.12	-29.42	AVG	P	
5	0.7256	21.78	19.59	41.37	56.00	-14.63	QP	P	
6	0.7256	6.12	19.59	25.71	46.00	-20.29	AVG	P	

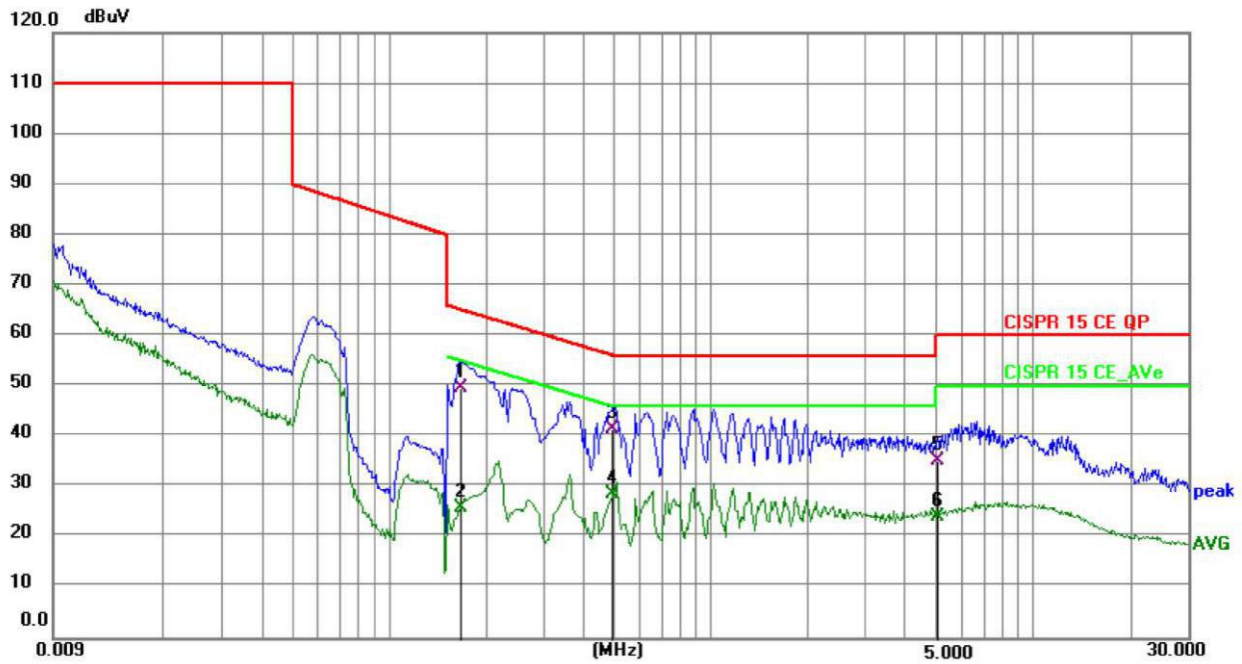
Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-15W-G13

Comment: Neutral Line

Level dB μ V

Peak & Average Scan



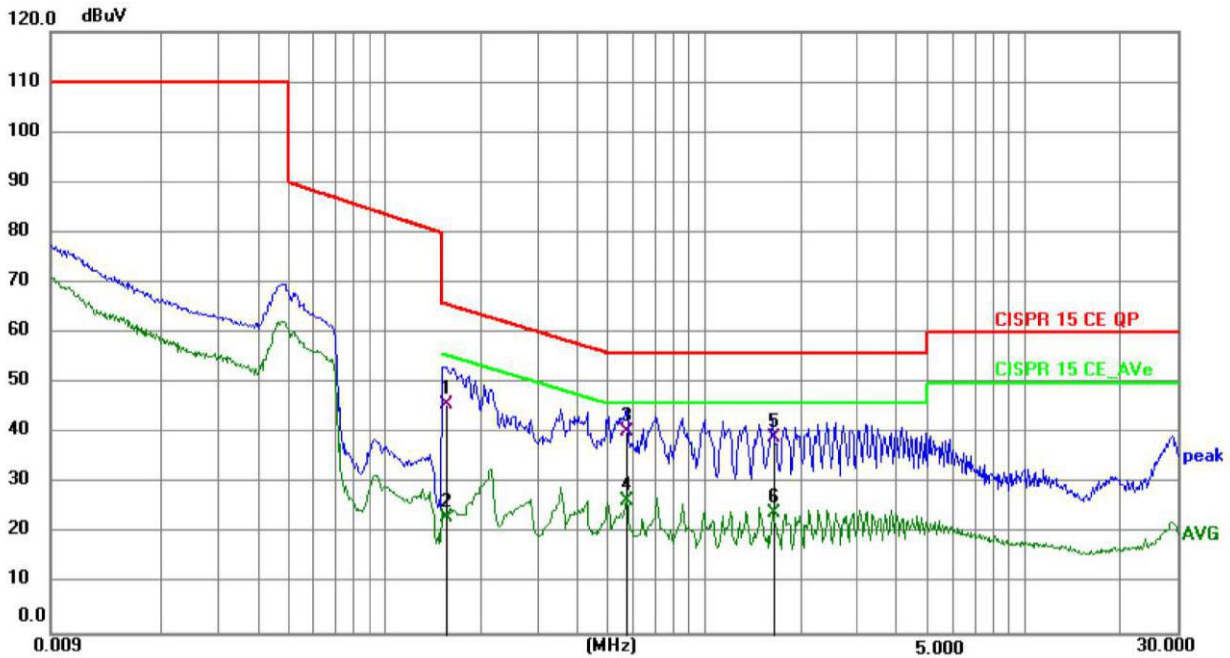
Remark: data mark with "*" comes nearest to limit.

EUT Model No.: T8-28W-G13

Comment: Live Line

Level dBμV

Peak & Average Scan



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector	P/F	Remark
1	0.1561	26.06	19.58	45.64	65.67	-20.03	QP	P	
2	0.1561	3.61	19.58	23.19	55.67	-32.48	AVG	P	
3 *	0.5687	20.83	19.58	40.41	56.00	-15.59	QP	P	
4	0.5687	6.97	19.58	26.55	46.00	-19.45	AVG	P	
5	1.6488	19.50	19.63	39.13	56.00	-16.87	QP	P	
6	1.6488	4.51	19.63	24.14	46.00	-21.86	AVG	P	

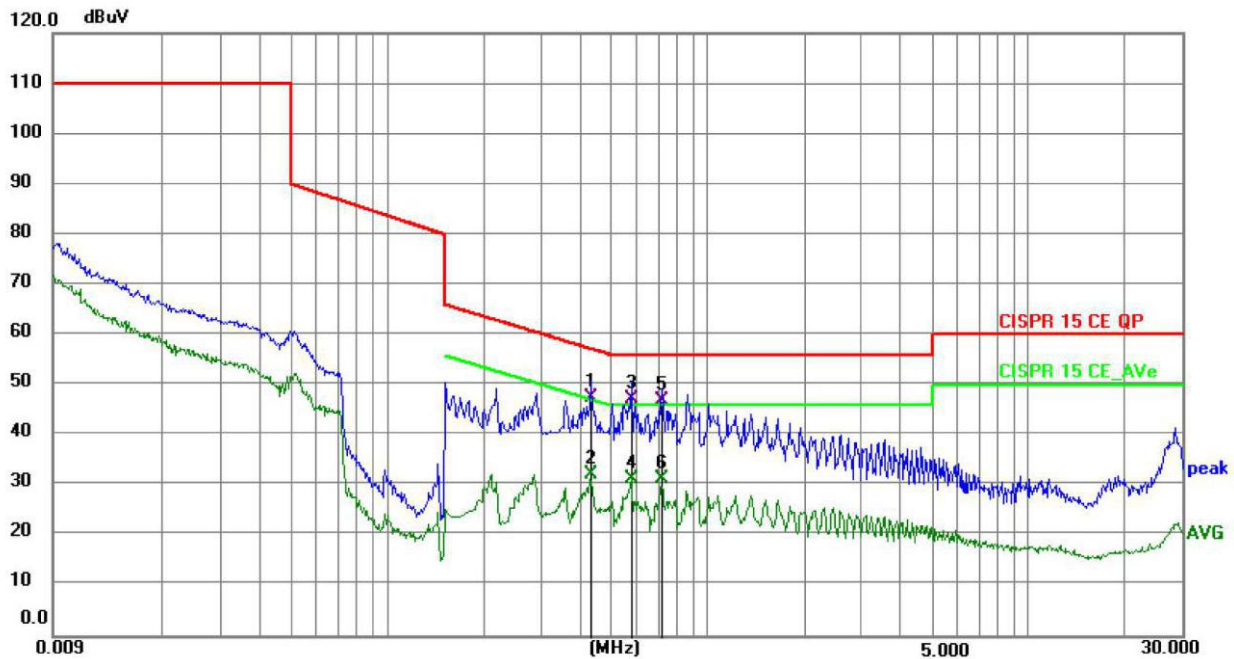
Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-28W-G13

Comment: Neutral Line

Level dBμV

Peak & Average Scan



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector	P/F	Remark
1	0.4327	28.17	19.50	47.67	57.20	-9.53	QP	P	
2	0.4327	12.90	19.50	32.40	47.20	-14.80	AVG	P	
3 *	0.5775	27.77	19.50	47.27	56.00	-8.73	QP	P	
4	0.5775	12.00	19.50	31.50	46.00	-14.50	AVG	P	
5	0.7204	27.58	19.51	47.09	56.00	-8.91	QP	P	
6	0.7204	11.81	19.51	31.32	46.00	-14.68	AVG	P	

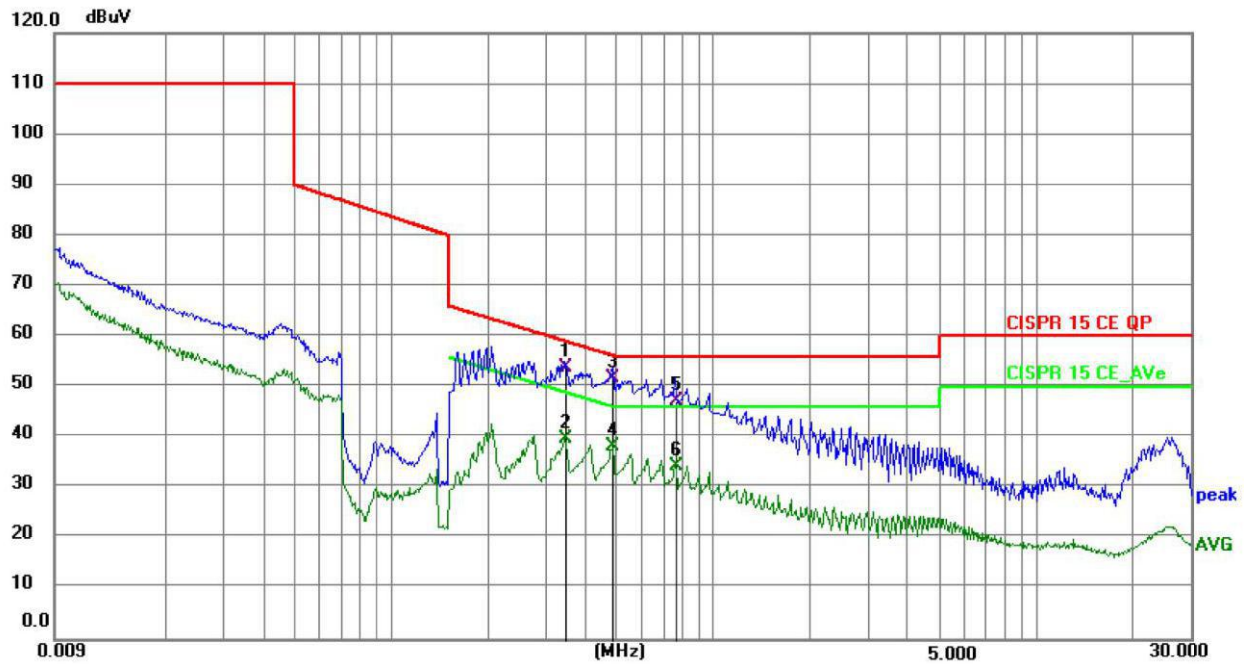
Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-30W-G13

Comment: Live Line

Level dBμV

Peak & Average Scan



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector	P/F	Remark
1	0.3474	34.36	19.57	53.93	59.02	-5.09	QP	P	
2	0.3474	20.21	19.57	39.78	49.02	-9.24	AVG	P	
3 *	0.4845	32.26	19.58	51.84	56.26	-4.42	QP	P	
4	0.4845	18.74	19.58	38.32	46.26	-7.94	AVG	P	
5	0.7624	27.65	19.59	47.24	56.00	-8.76	QP	P	
6	0.7624	14.72	19.59	34.31	46.00	-11.69	AVG	P	

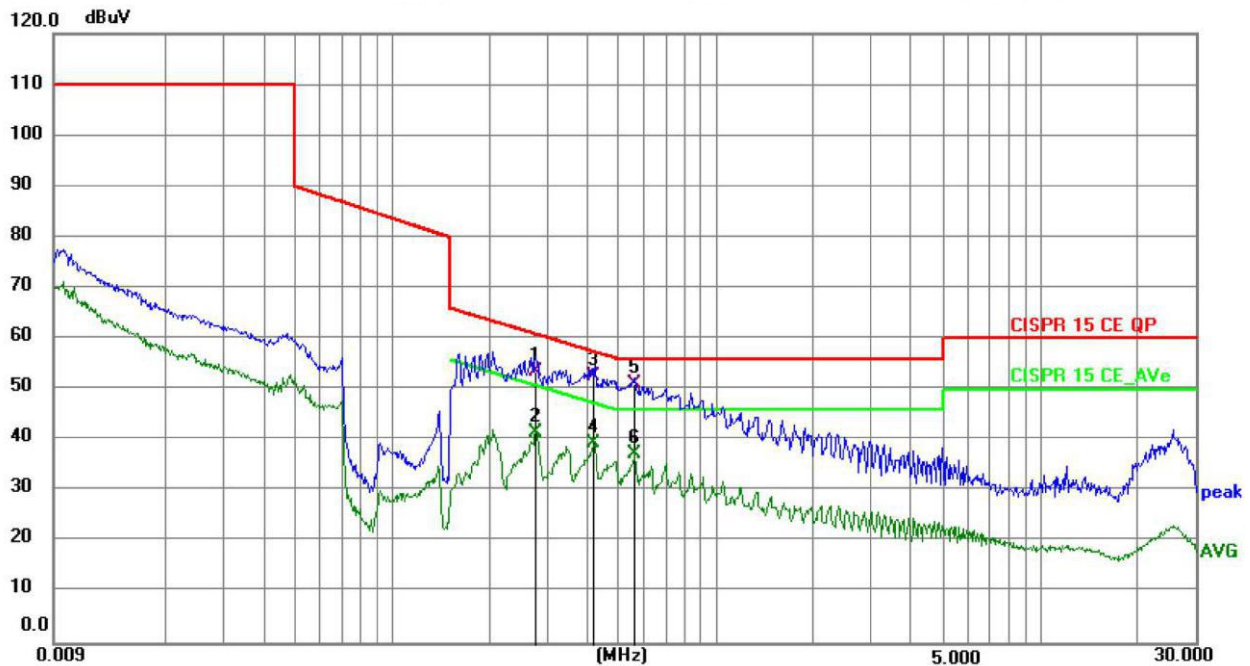
Remark: data mark with "*" comes nearest to limit.

EUT Model No.: T8-30W-G13

Comment: Neutral Line

Level dB μ V

Peak & Average Scan



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	P/F	Remark
1	0.2772	34.18	19.49	53.67	60.90	-7.23	QP	P	
2	0.2772	22.01	19.49	41.50	50.90	-9.40	AVG	P	
3 *	0.4194	33.26	19.50	52.76	57.46	-4.70	QP	P	
4	0.4194	20.01	19.50	39.51	47.46	-7.95	AVG	P	
5	0.5608	31.79	19.50	51.29	56.00	-4.71	QP	P	
6	0.5608	17.83	19.50	37.33	46.00	-8.67	AVG	P	

Remark: data mark with '*' comes nearest to limit.

4- LLAS RADIATED DISTURBANCE

4.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are test receiver, cable loss, antenna factor calibration, measurement distance variation, site imperfections, mismatch (average), and system repeatability. The treatment of uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is $\pm 3.7\text{dB}$.

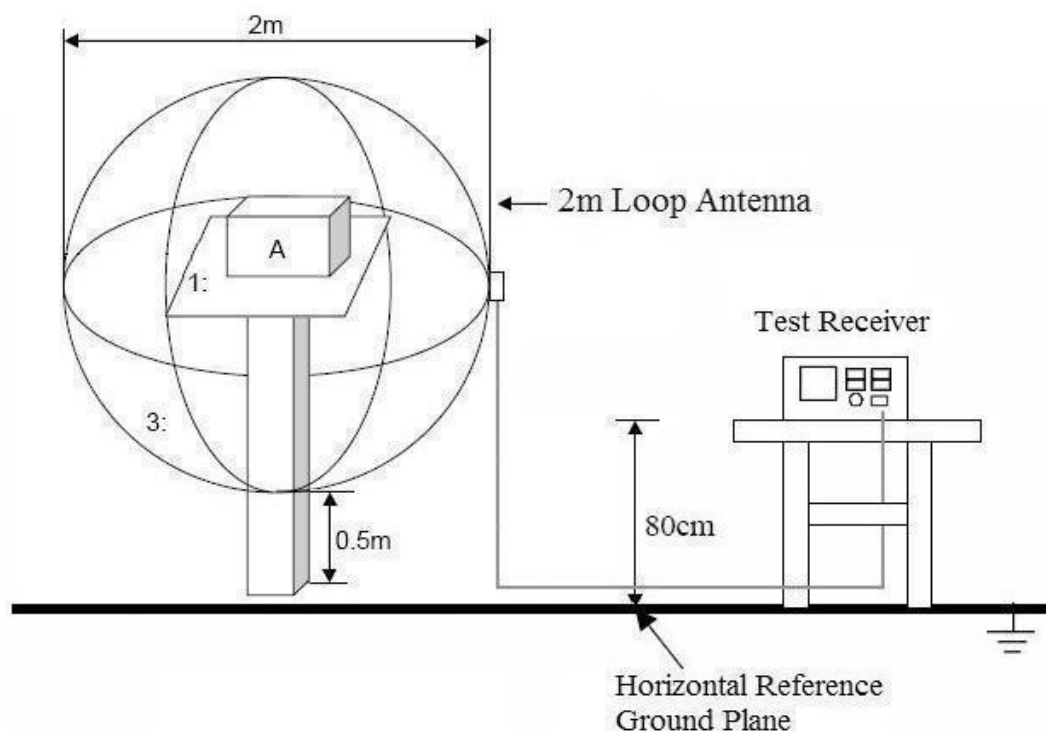
4.2 Limit of Radiated Electromagnetic Disturbance

Frequency Range	Limits for loop antenna (dB μA)
	2m
9kHz ~ 70kHz	88
70kHz ~ 150kHz	88 ~ 58*
150kHz ~ 3.0MHz	58 ~ 26*
3.0MHz ~ 30MHz	22

NOTE 1: The tighter limit shall apply at the edge between two frequency bands.

NOTE 2: Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

4.3 EUT Setup



4.4 Test Equipment List and Details

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
Triple Loop Antenna	R & S	HM020	100995	2026-05-12	2027-05-11
EMI Test Receiver	R & S	ESR3	102173	2026-05-12	2027-05-11

4.5 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....9 kHz to 30 MHz
 Detector.....Peak & Quasi-Peak
 Sweep Speed.....Auto
 IF Band Width.....200Hz / 9kHz

4.6 Test Procedure

1. The EUT is placed on a wood table in the center of a loop antenna and the onerous position is considered. 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.
2. The frequency range from 9 kHz to 30MHz is investigated. Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.
3. All data was recorded in the peak detection mode. Quasi-peak readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "QP".

4.7 Corrected Amplitude & Margin Calculation

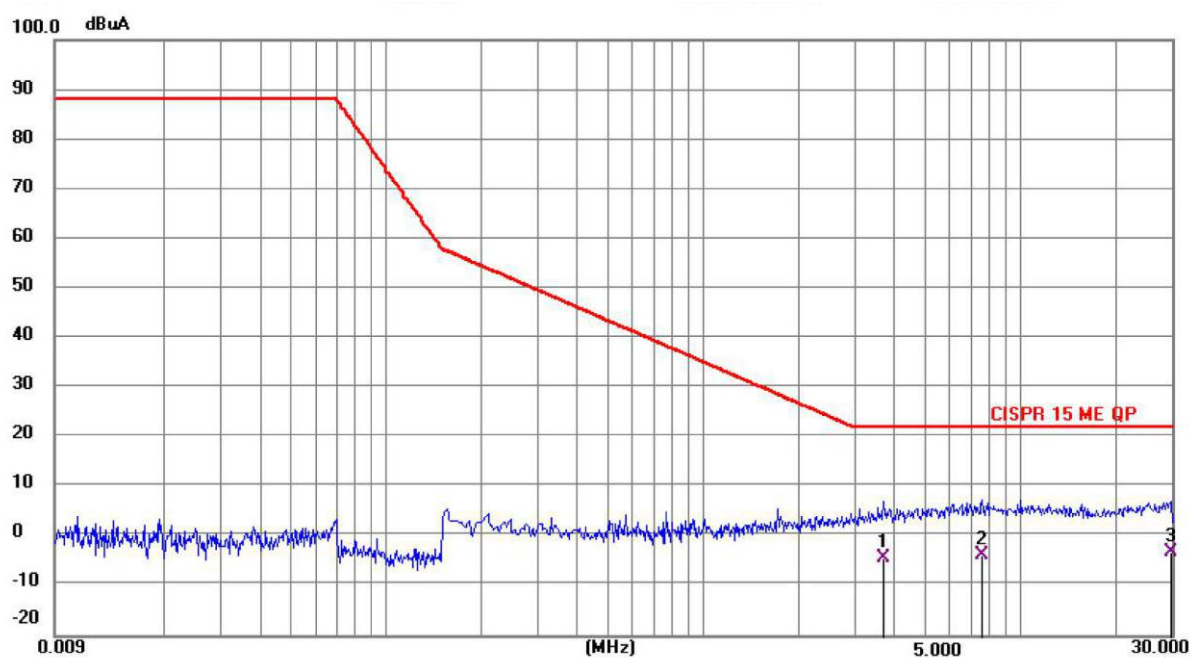
The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor

4.8 Test Data

Temperature:	24.7 (°C)
Humidity:	56 (%R.H.)
Barometric Pressure:	1010 (mbar)
Operating Mode:	On
Test Specification:	AC 230V/50Hz
Start of Test:	2026-05-22
Test Result:	Pass

EUT Model No.: T8-15W-G13
 Comment: Polarization: X
 Level: dBμA
 Peak Scan



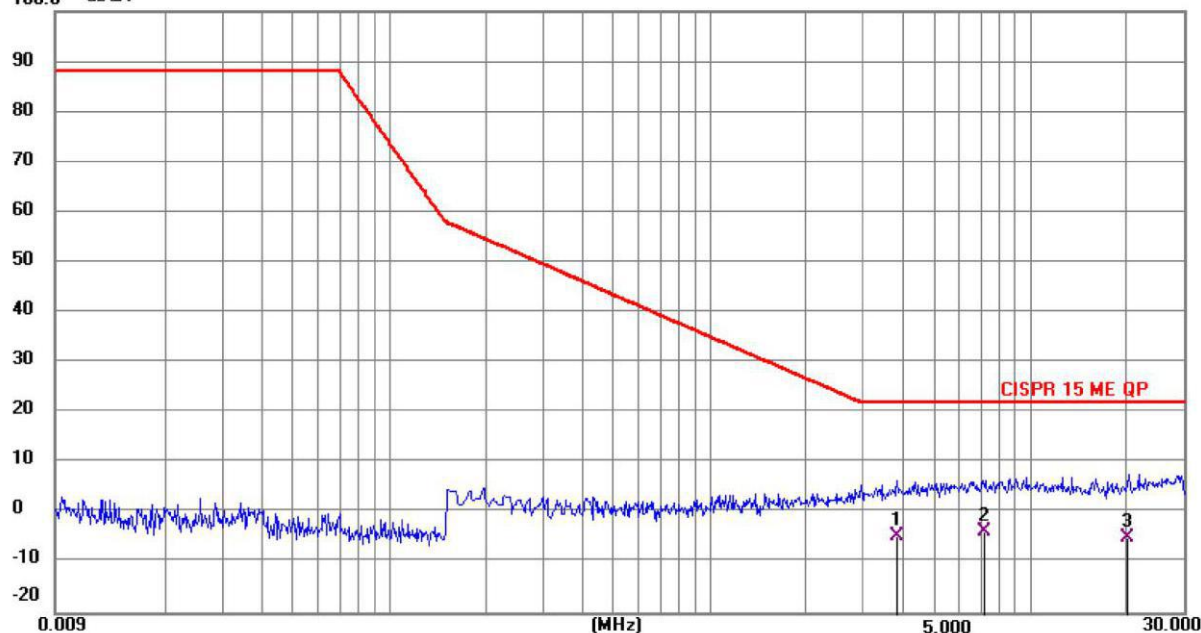
No.	Frequency (MHz)	Reading (dBuA)	Factor (dB)	Level (dBuA)	Limit (dBuA)	Margin (dB)	Detector	P/F	Remark
1	3.7261	-38.49	34.10	-4.39	22.00	-26.39	QP	P	
2	7.5942	-37.83	34.15	-3.68	22.00	-25.68	QP	P	
3 *	29.8526	-37.41	34.32	-3.09	22.00	-25.09	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-15W-G13
 Comment: Polarization: Y
 Level: dBμA

Peak Scan

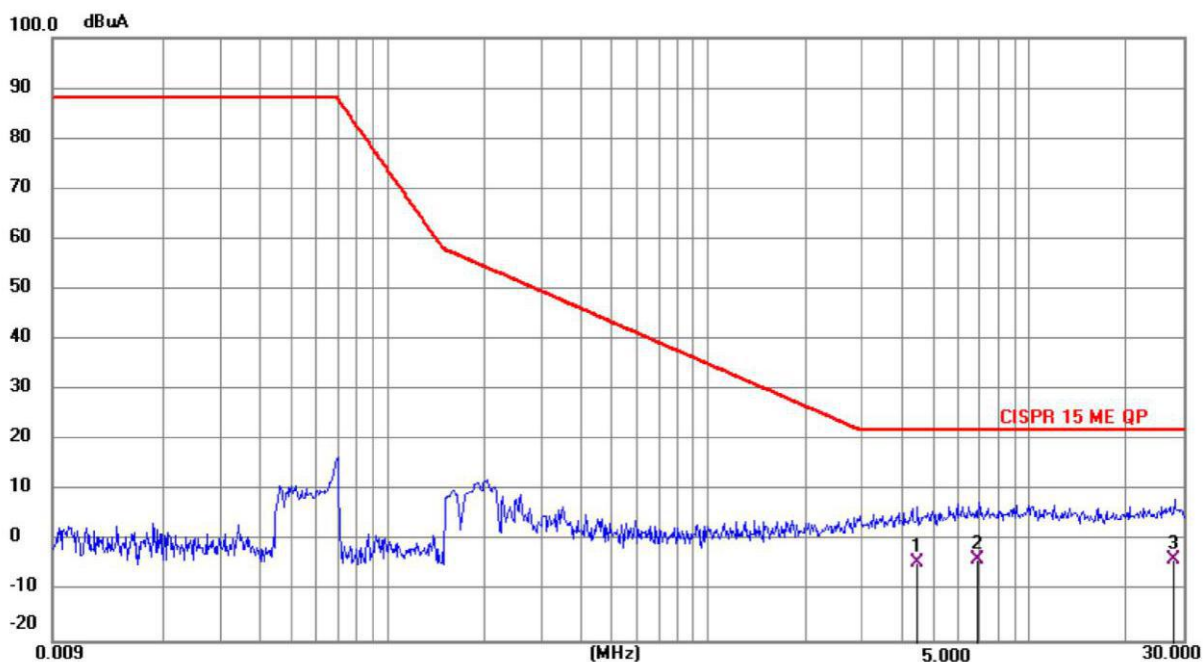
100.0 dBμA



No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	3.8365	-38.69	34.10	-4.59	22.00	-26.59	QP	P	
2 *	7.2086	-37.89	34.14	-3.75	22.00	-25.75	QP	P	
3	20.2916	-39.01	34.26	-4.75	22.00	-26.75	QP	P	

Remark: data mark with "*" comes nearest to limit.

EUT Model No.: T8-15W-G13
 Comment: Polarization: Z
 Level: dBμA
 Peak Scan

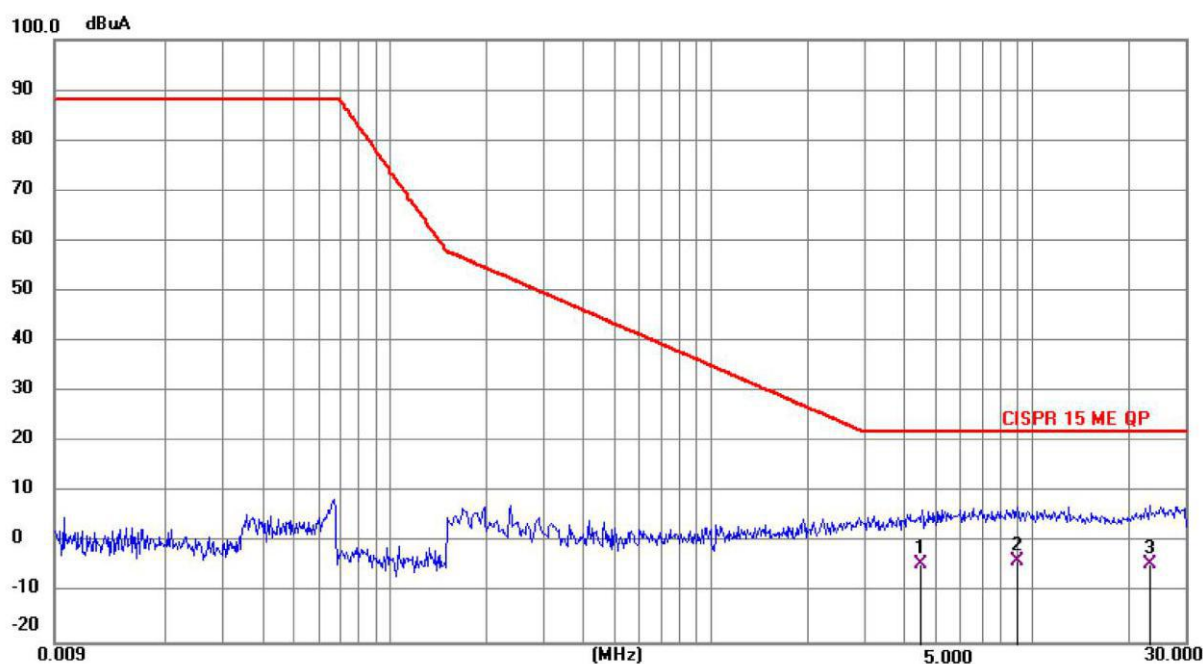


No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	4.4950	-38.25	34.11	-4.14	22.00	-26.14	QP	P	
2 *	6.9072	-37.78	34.14	-3.64	22.00	-25.64	QP	P	
3	28.1699	-38.06	34.31	-3.75	22.00	-25.75	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-28W-G13
 Comment: Polarization: X
 Level: dBμA

Peak Scan



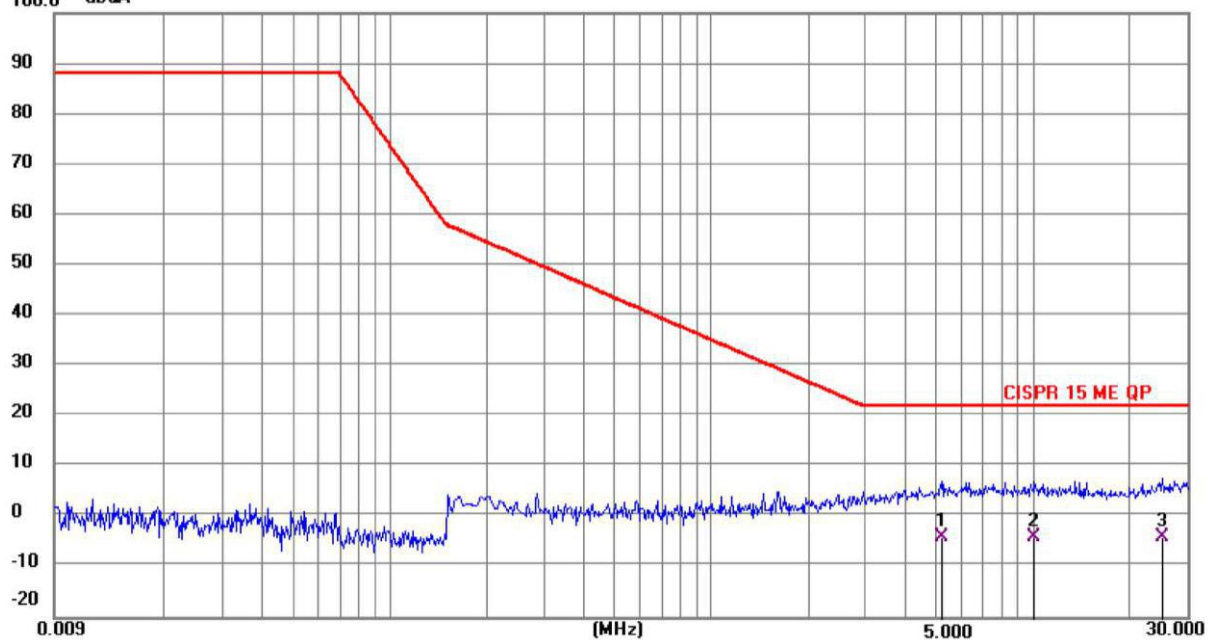
No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	4.5139	-38.26	34.11	-4.15	22.00	-26.15	QP	P	
2 *	9.0117	-37.67	34.16	-3.51	22.00	-25.51	QP	P	
3	23.2115	-38.46	34.28	-4.18	22.00	-26.18	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-28W-G13
 Comment: Polarization: Y
 Level dBμA

Peak Scan

100.0 dBμA



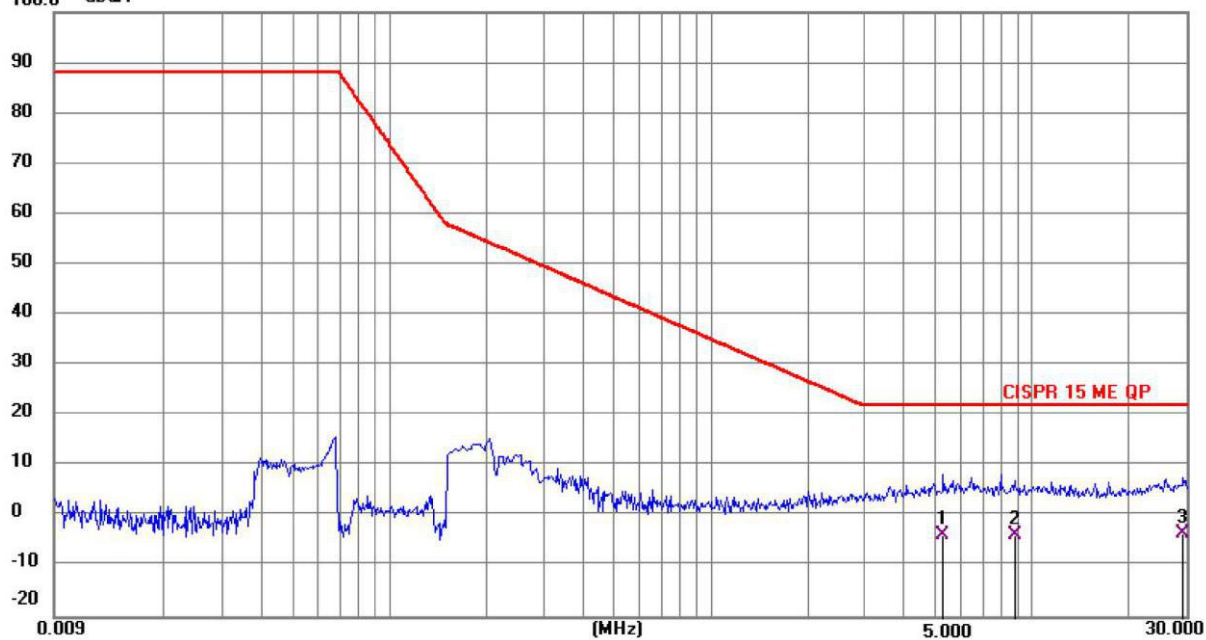
No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1 *	5.1792	-38.00	34.12	-3.88	22.00	-25.88	QP	P	
2	10.0577	-38.12	34.17	-3.95	22.00	-25.95	QP	P	
3	25.1122	-38.23	34.29	-3.94	22.00	-25.94	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-28W-G13
 Comment: Polarization: Z
 Level dBμA

Peak Scan

100.0 dBμA



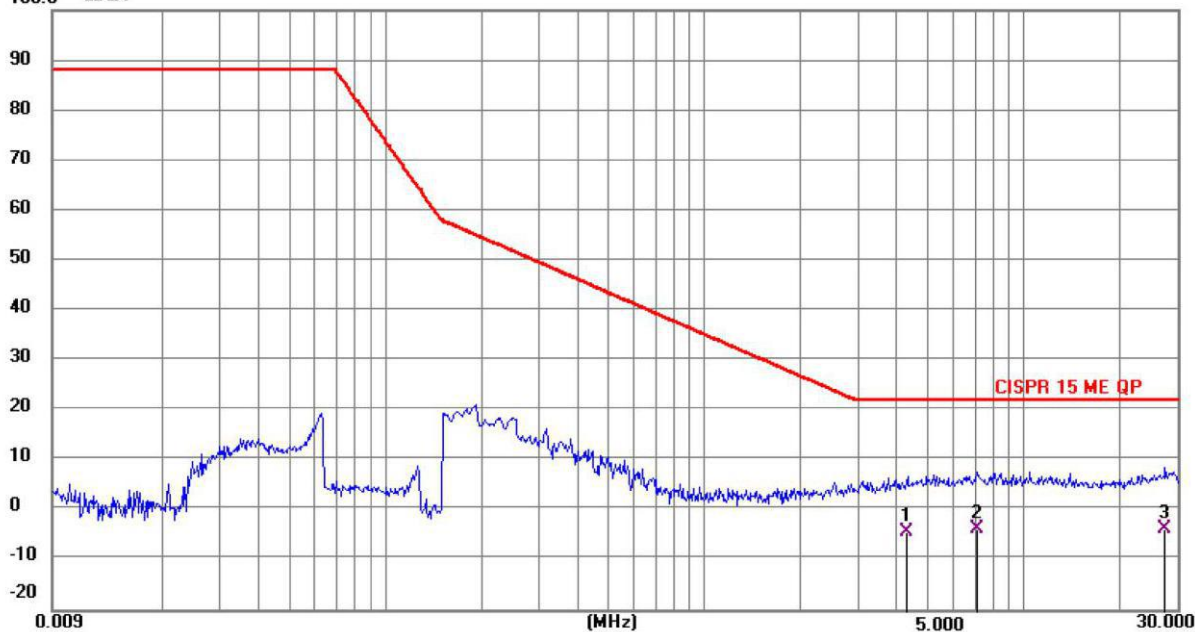
No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	5.2497	-37.85	34.12	-3.73	22.00	-25.73	QP	P	
2	8.7521	-37.83	34.16	-3.67	22.00	-25.67	QP	P	
3 *	29.4391	-37.55	34.32	-3.23	22.00	-25.23	QP	P	

Remark: data mark with "*" comes nearest to limit.

EUT Model No.: T8-30W-G13
 Comment: Polarization: X
 Level: dBμA

Peak Scan

100.0 dBμA



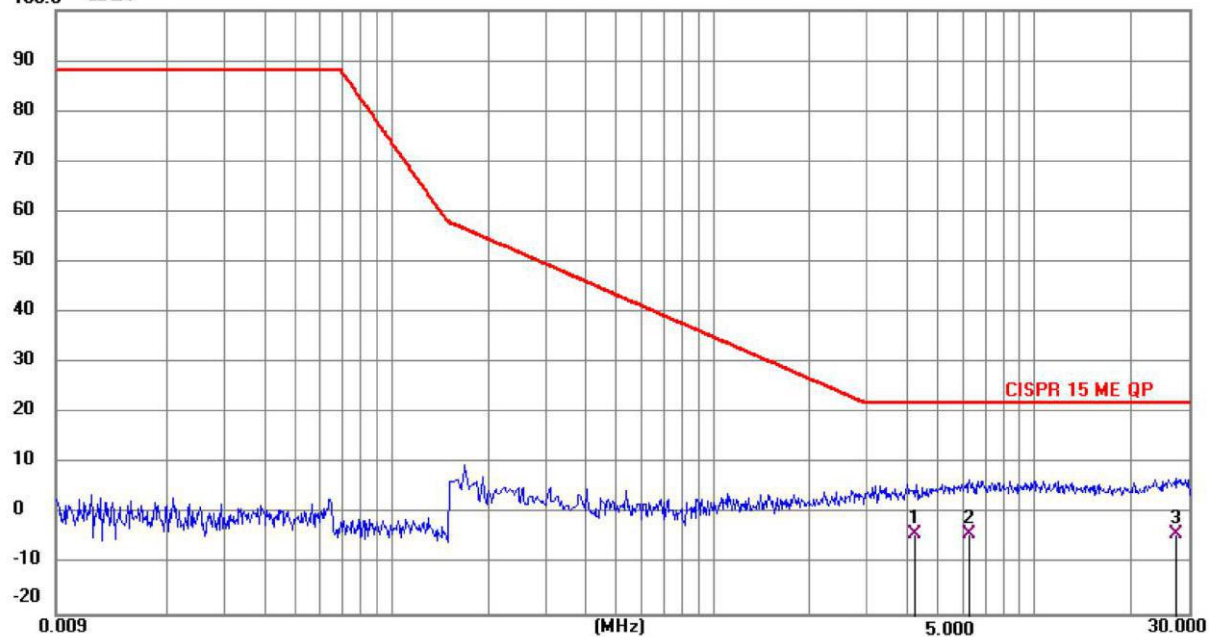
No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	4.3054	-38.28	34.11	-4.17	22.00	-26.17	QP	P	
2 *	7.1472	-37.66	34.14	-3.52	22.00	-25.52	QP	P	
3	27.4520	-38.05	34.30	-3.75	22.00	-25.75	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-30W-G13
 Comment: Polarization: Y
 Level: dBμA

Peak Scan

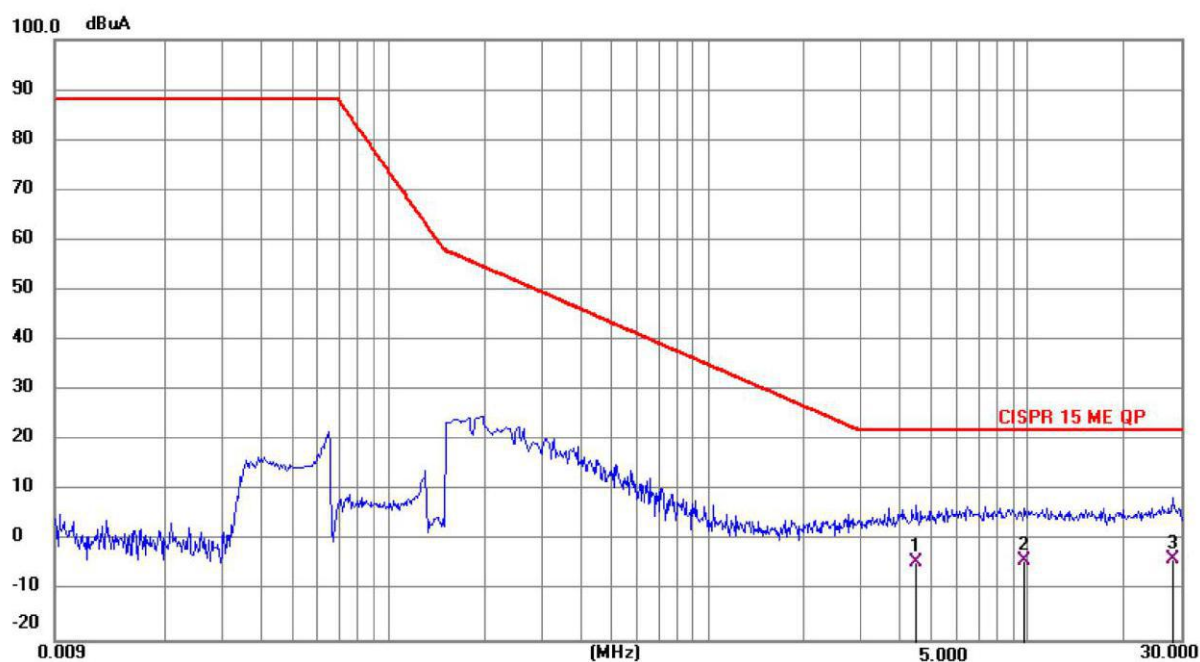
100.0 dBμA



No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	4.2442	-38.19	34.11	-4.08	22.00	-26.08	QP	P	
2 *	6.2514	-37.94	34.13	-3.81	22.00	-25.81	QP	P	
3	27.3589	-38.14	34.30	-3.84	22.00	-25.84	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-30W-G13
 Comment: Polarization: Z
 Level: dBμA
 Peak Scan



No.	Frequency (MHz)	Reading (dBμA)	Factor (dB)	Level (dBμA)	Limit (dBμA)	Margin (dB)	Detector	P/F	Remark
1	4.4816	-38.25	34.11	-4.14	22.00	-26.14	QP	P	
2	9.7412	-37.98	34.17	-3.81	22.00	-25.81	QP	P	
3 *	28.3322	-37.97	34.31	-3.66	22.00	-25.66	QP	P	

Remark: data mark with "*" comes nearest to limit.

5- RADIATED DISTURBANCES (CDNE METHOD)

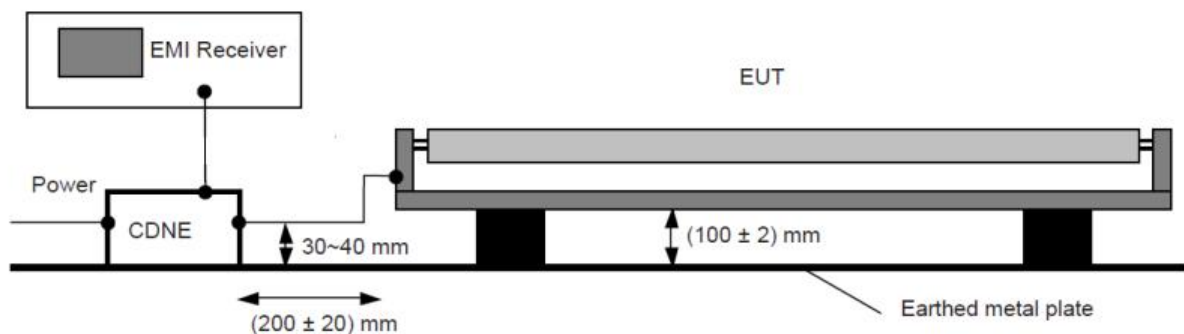
5.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, measurement distance variation, site imperfections, mismatch (average), and system repeatability. The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is 3.7dB.

5.2 Limit of Radiated Disturbances

Frequency (MHz)	Quasi-Peak (dB μ V)
30 ~ 100	64 ~ 54
100 ~ 200	54
200 ~ 300	54 ~ 51

5.3 EUT Setup



The radiated emission tests were performed in the shielded chamber, using the setup accordance with the CISPR 16-2-1:2014+A1:2017. The specification used was CISPR 15 limits.

The EUT was placed on the center of the non-conductive test table and the distance to other metallic object is ≥ 0.8 m. The edge of the earthed metal plane shall be at least 200mm beyond the CDNE and EUT.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

5.4 Test Equipment List and Details

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESR3	102173	2026-05-12	2027-05-11
Coupling Decoupling Network	Schwarzbeck	CDNE-M2	00074	2026-05-12	2027-05-11
Coupling Decoupling Network	Schwarzbeck	CDNE-M3	00077	2026-05-12	2027-05-11

5.5 Test Receiver Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Detector.....Peak & Quasi-Peak
IF Band Width.....120kHz
Frequency Range.....30MHz to 300MHz

5.6 Test Procedure

1. The test is conducted in a shielding room, by means of CDNE method. EUT is placed upon a wood board 10cm above the ground reference plane. Cable length between CDN and EUT is 20cm $\pm$ 2cm.
2. All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB μ V of specification limits), and are distinguished with a "QP" in the data table.

5.7 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the CDNE Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + CDNE Factor + Cable Factor

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB μ V means the emission is 7dB μ V below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit – Corr. Ampl.

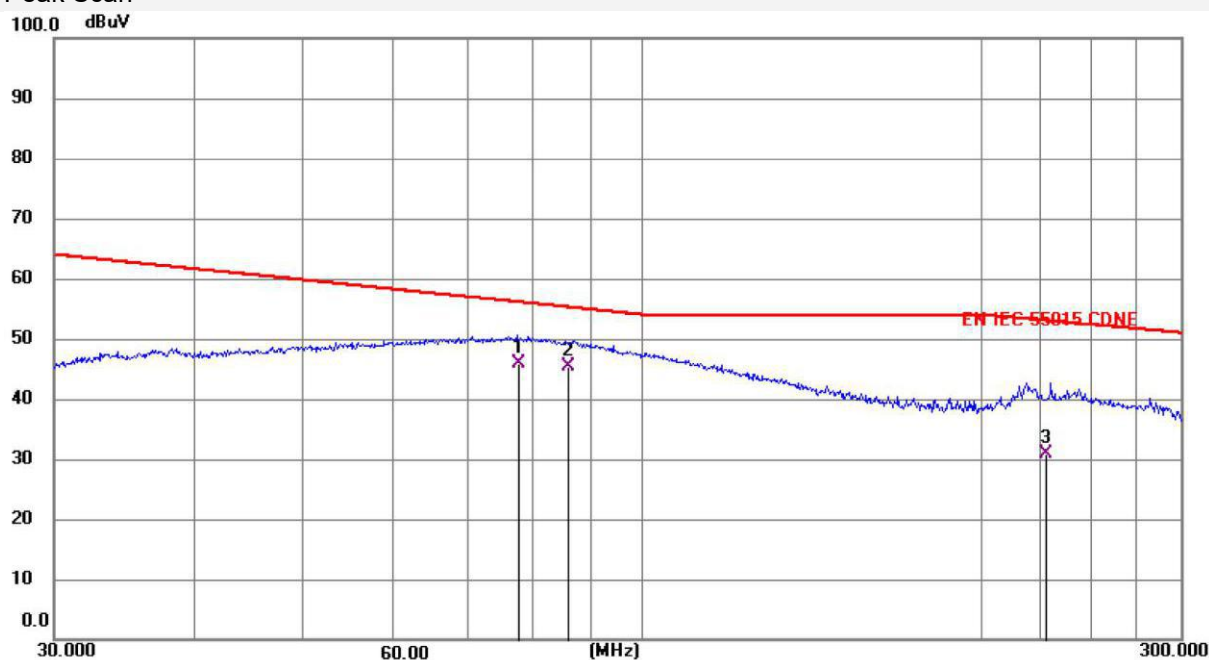
5.8 Test Data

Temperature:	24.7 (°C)
Humidity:	56 (%R.H.)
Barometric Pressure:	1010 (mbar)
Operating Mode:	On
Test Specification:	AC 230V/50Hz
Start of Test:	2026-05-15
Test Result:	Pass

EUT Model No.: T8-15W-G13

Level dB μ V

Peak Scan



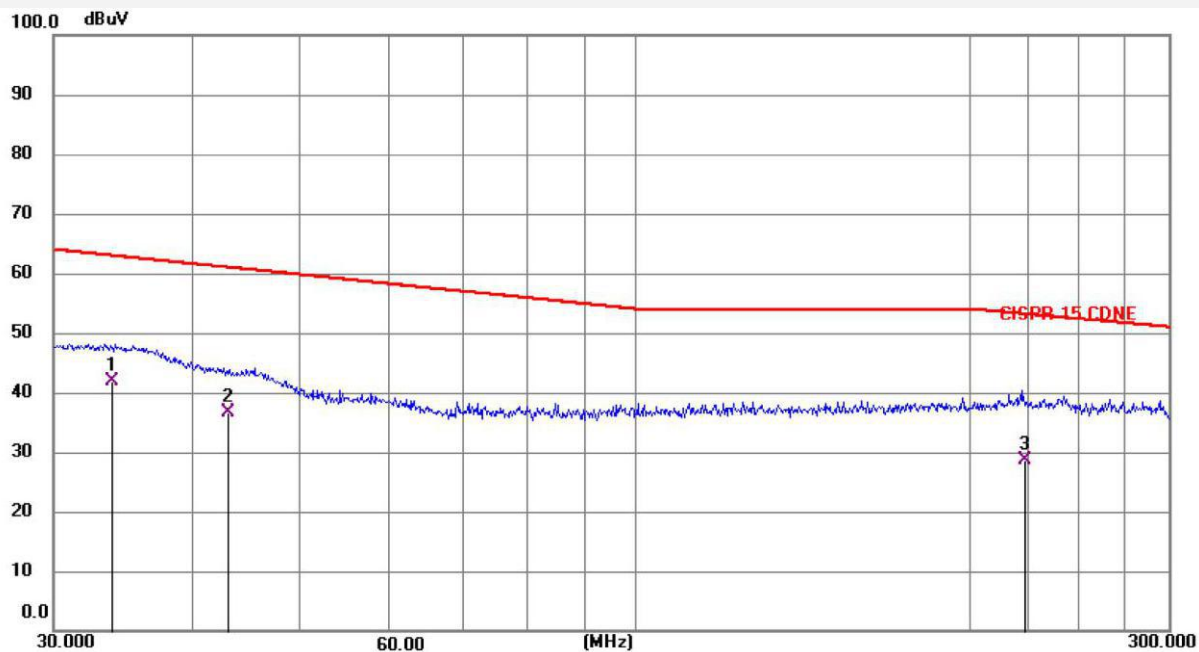
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	P/F	Remark
1	77.7446	26.54	19.44	45.98	56.09	-10.11	QP	P	
2 *	86.1905	26.05	19.44	45.49	55.23	-9.74	QP	P	
3	228.7219	11.50	19.37	30.87	53.01	-22.14	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-28W-G13

Level dB μ V

Peak Scan



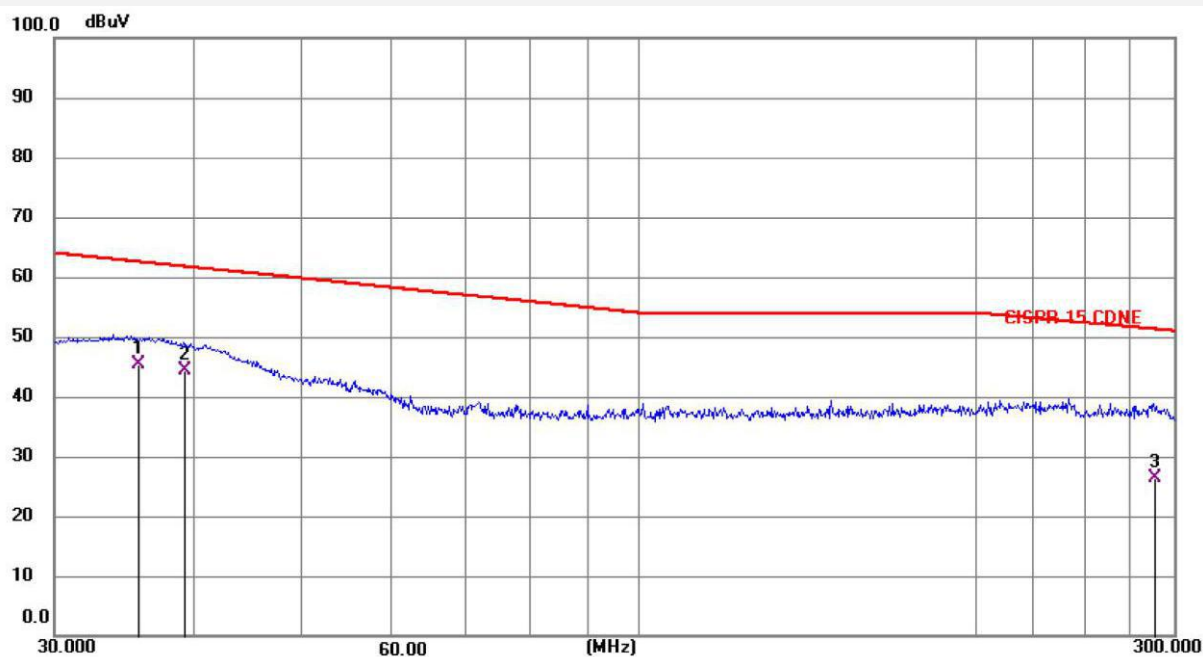
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	33.8964	22.48	19.42	41.90	62.99	-21.09	QP	P	
2	43.1473	17.34	19.41	36.75	60.98	-24.23	QP	P	
3	223.5932	9.20	19.38	28.58	53.17	-24.59	QP	P	

Remark: data mark with '*' comes nearest to limit.

EUT Model No.: T8-30W-G13

Level dB μ V

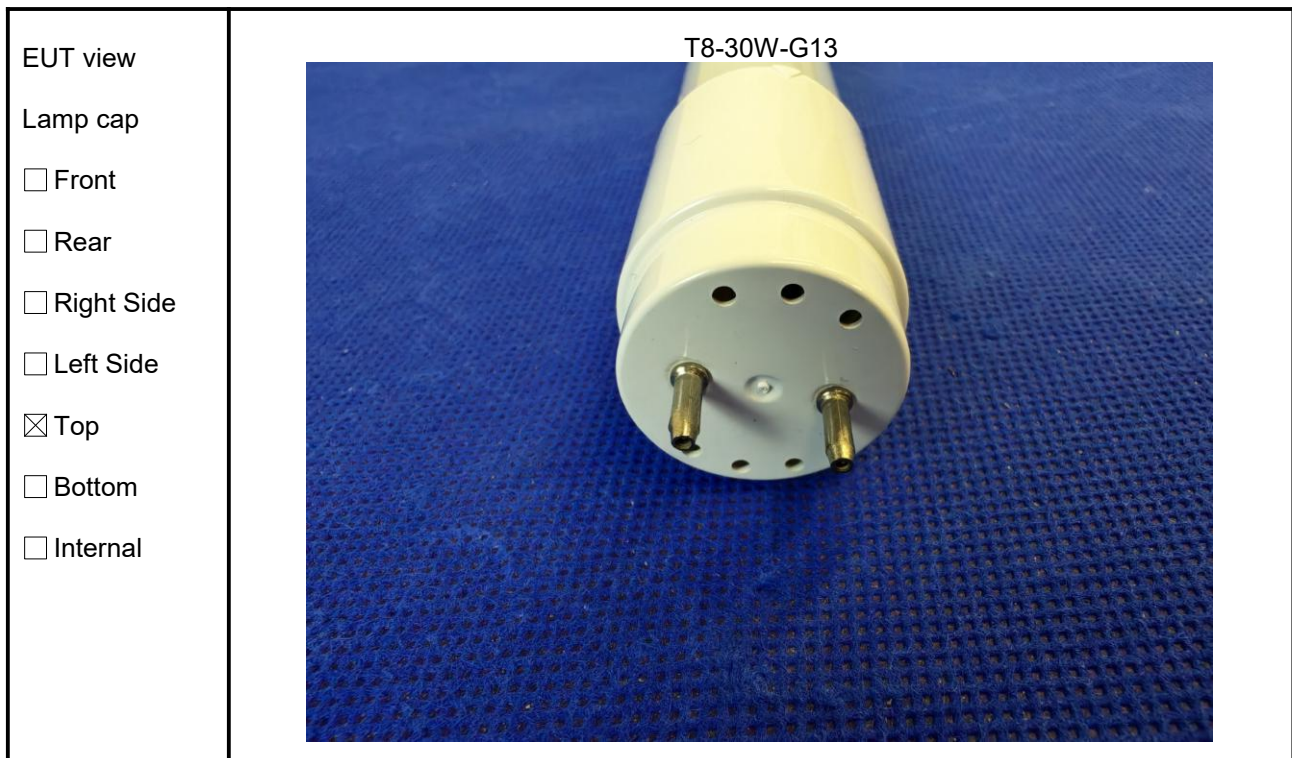
Peak Scan

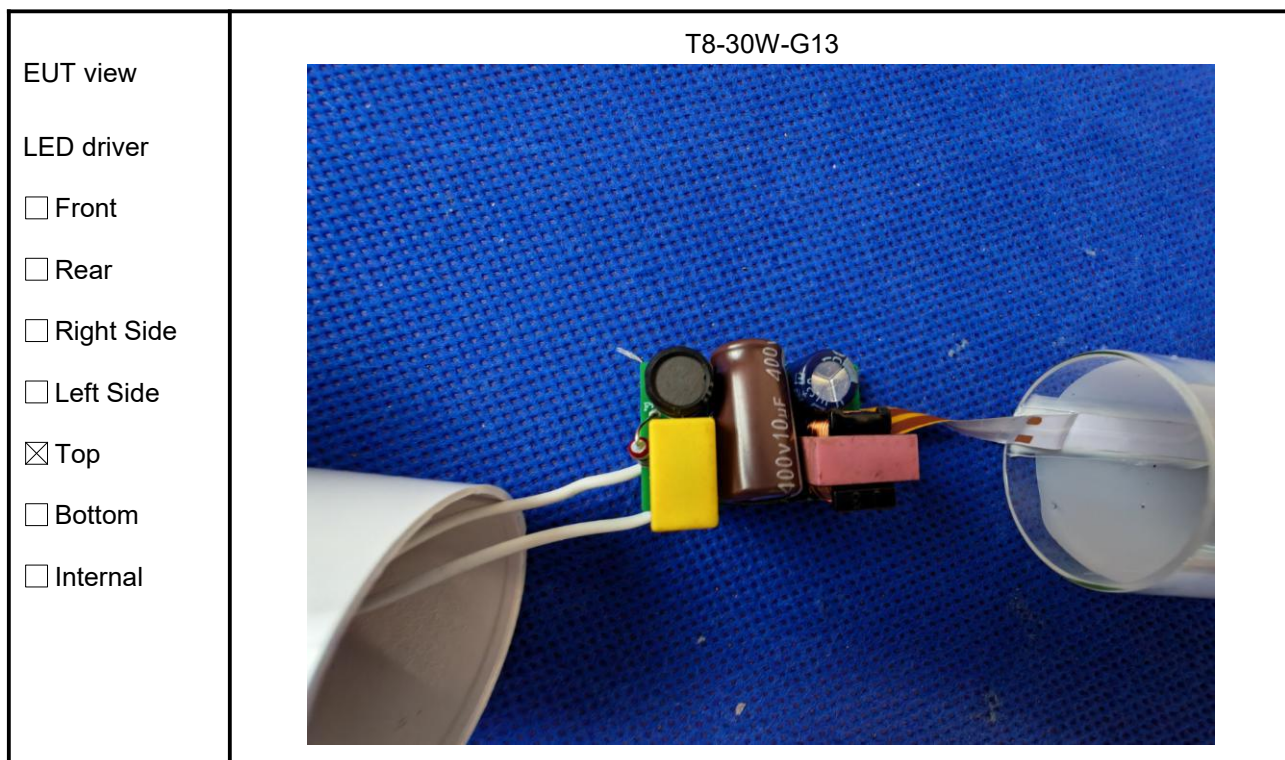
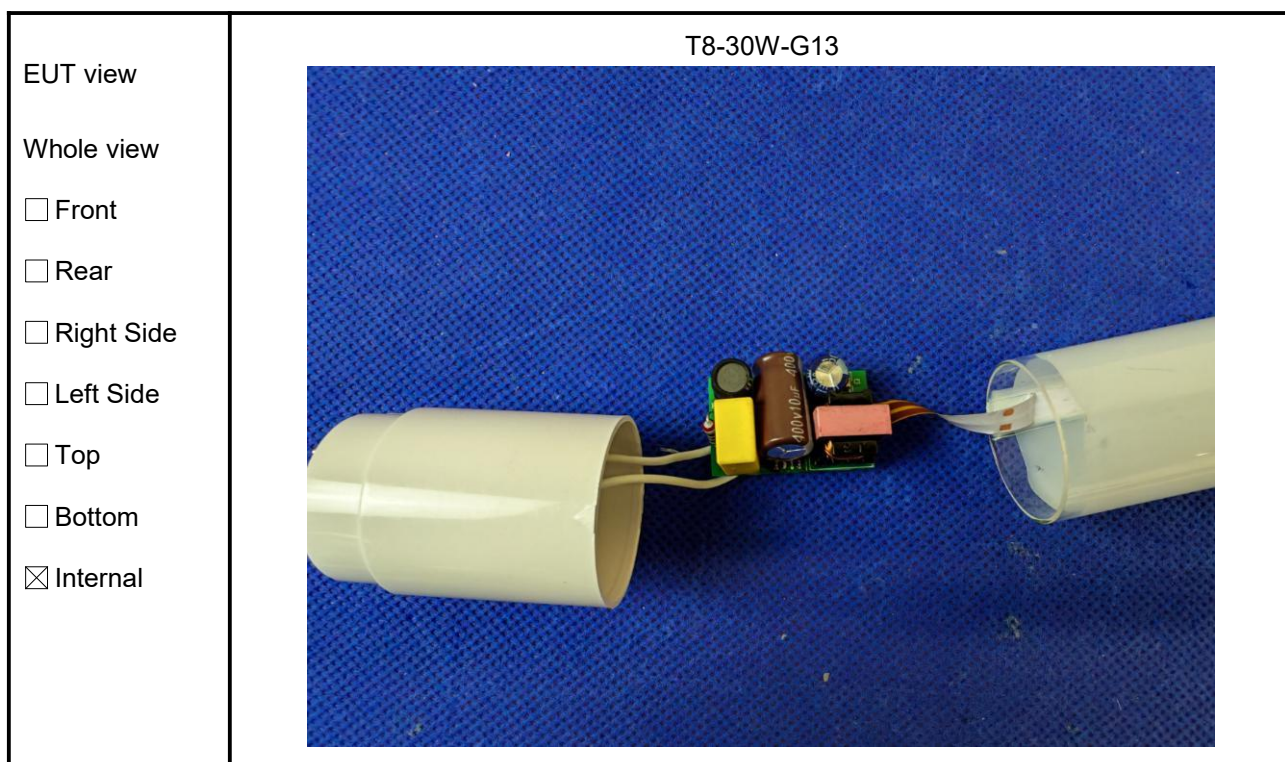


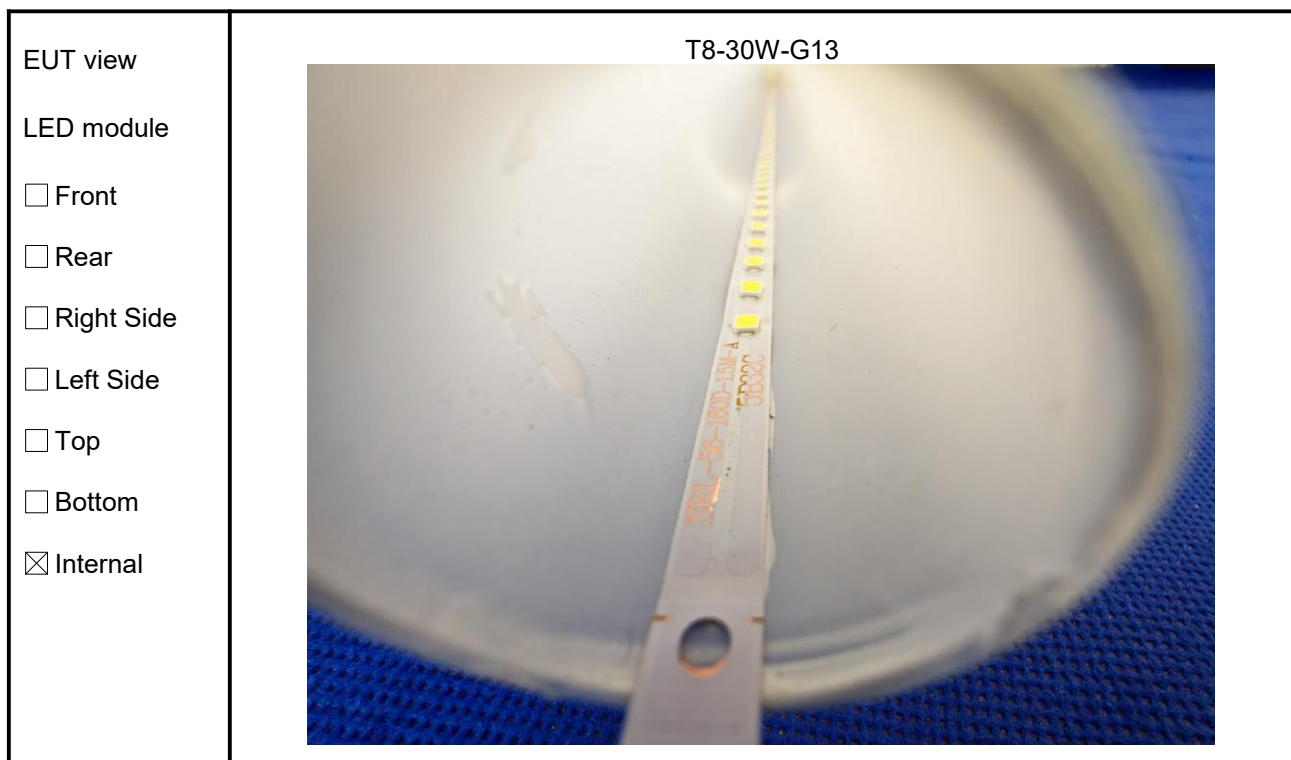
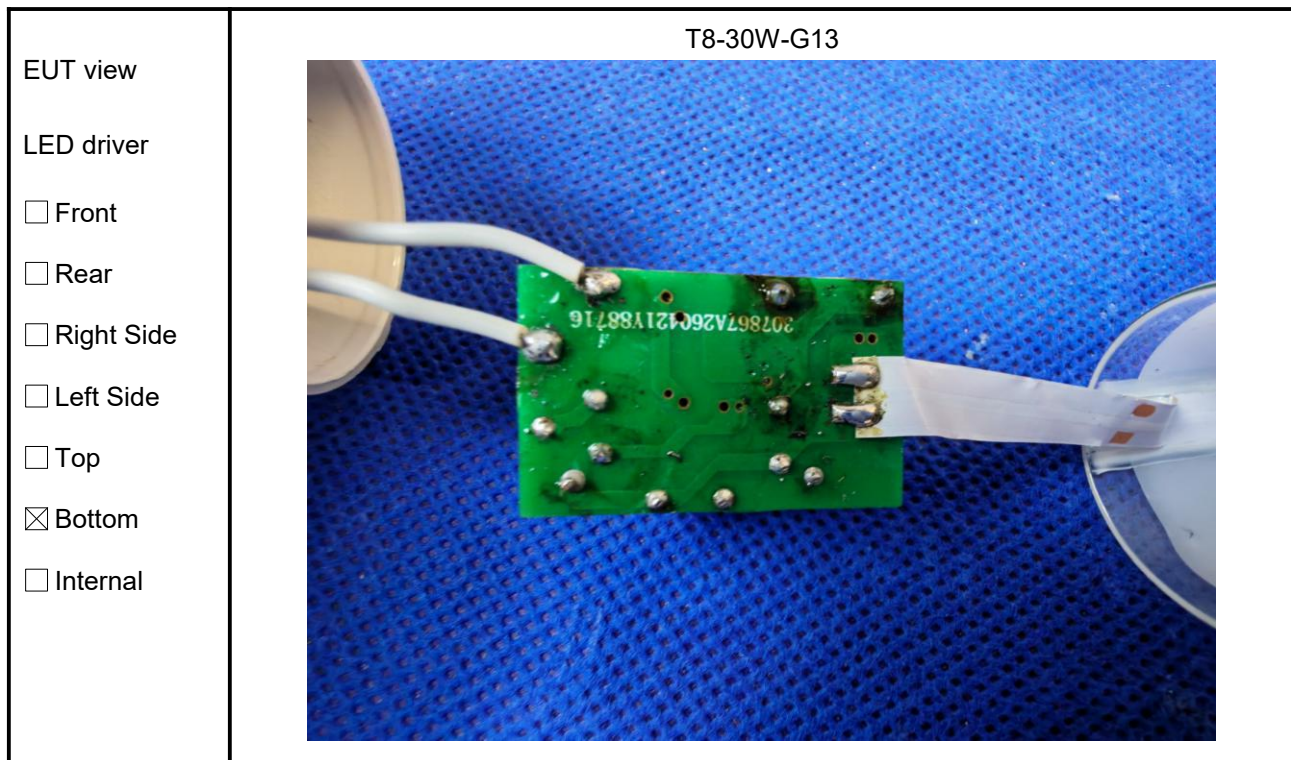
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	P/F	Remark
1 *	35.7008	25.95	19.42	45.37	62.55	-17.18	QP	P	
2	39.3067	24.92	19.42	44.34	61.76	-17.42	QP	P	
3	289.1389	6.97	19.32	26.29	51.27	-24.98	QP	P	

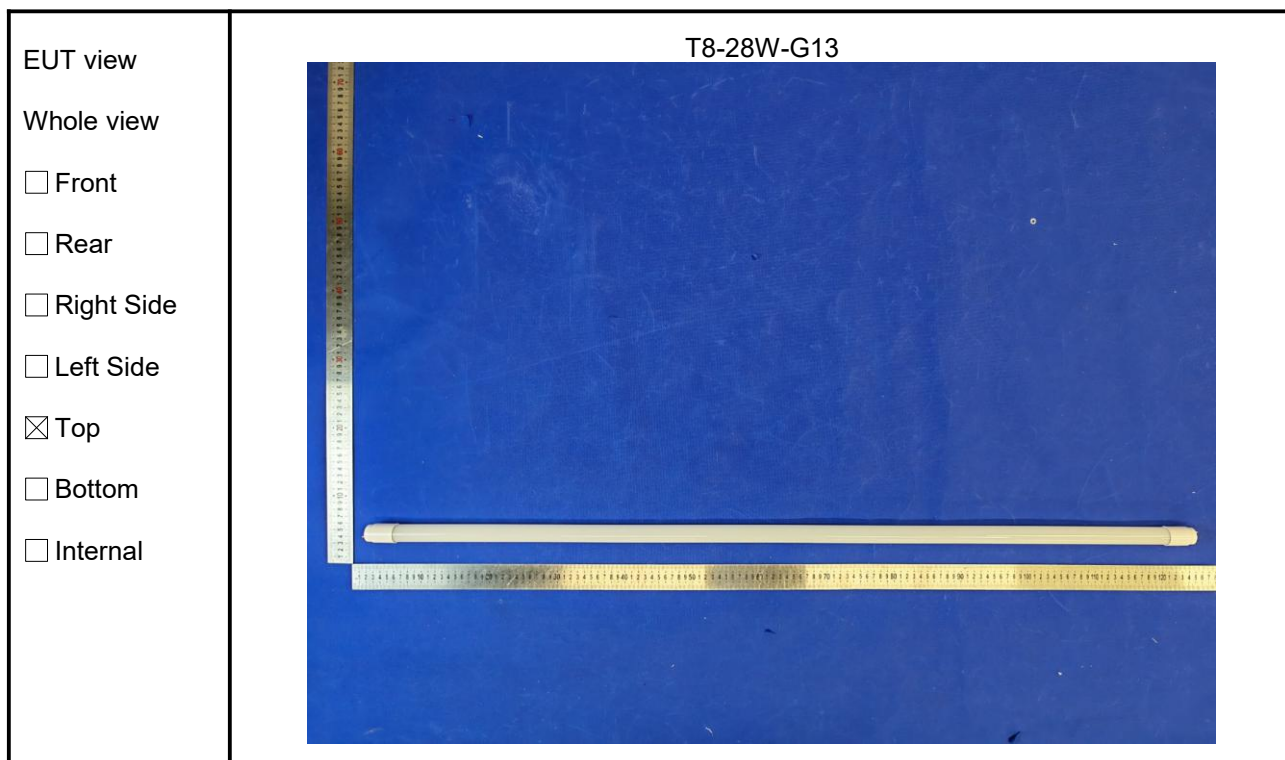
Remark: data mark with "*" comes nearest to limit.

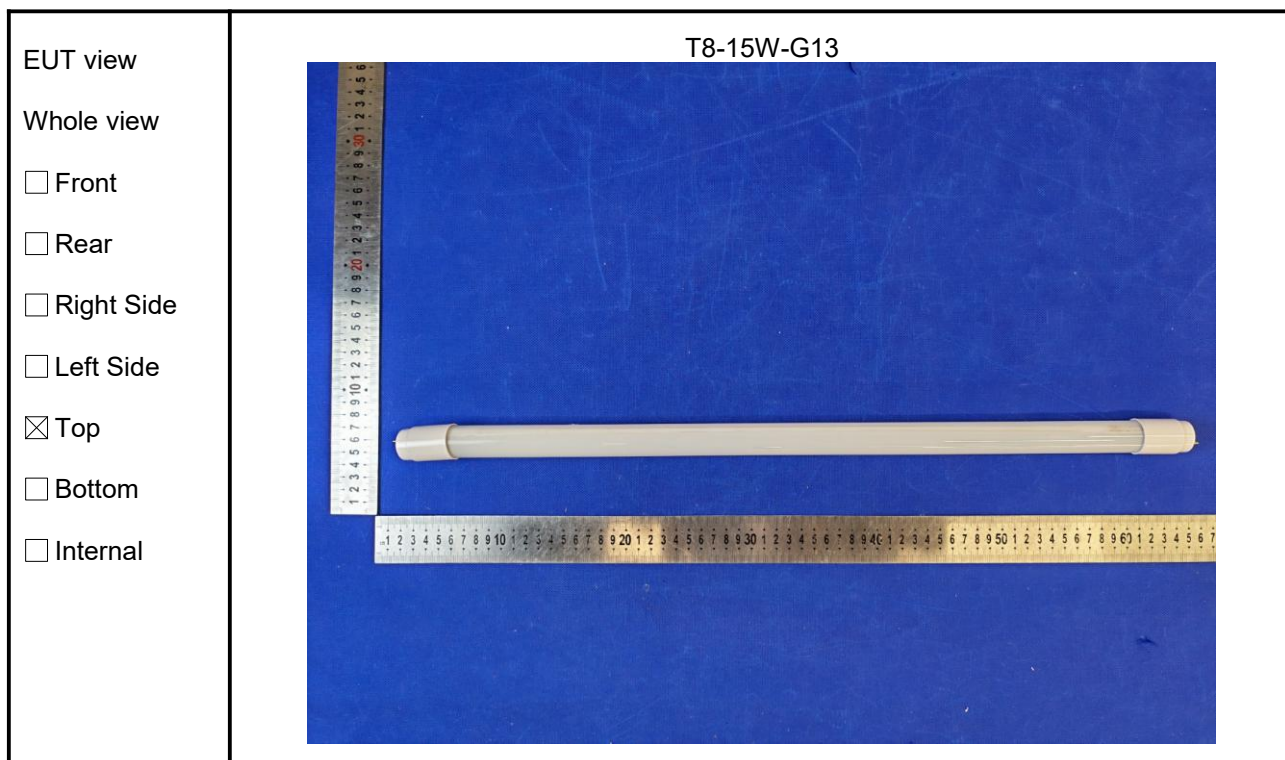
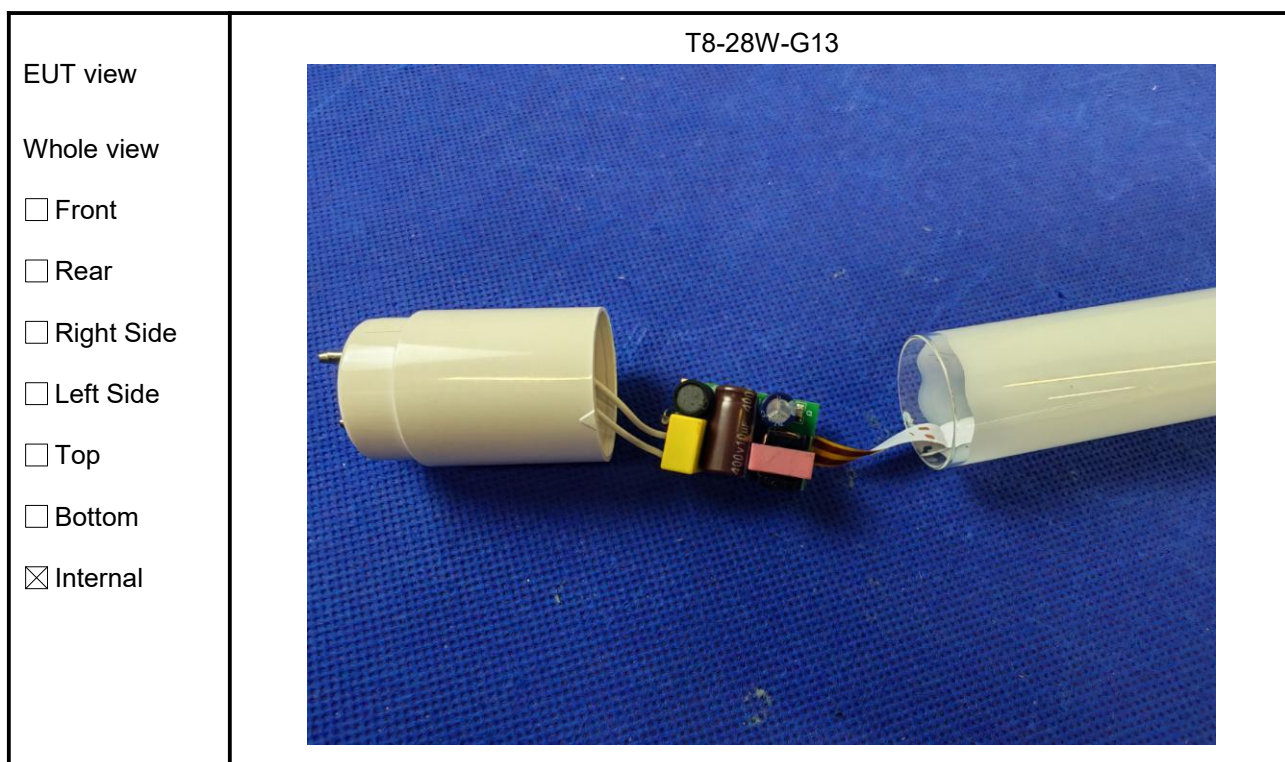
APPENDIX A - EUT PHOTOGRAPHS

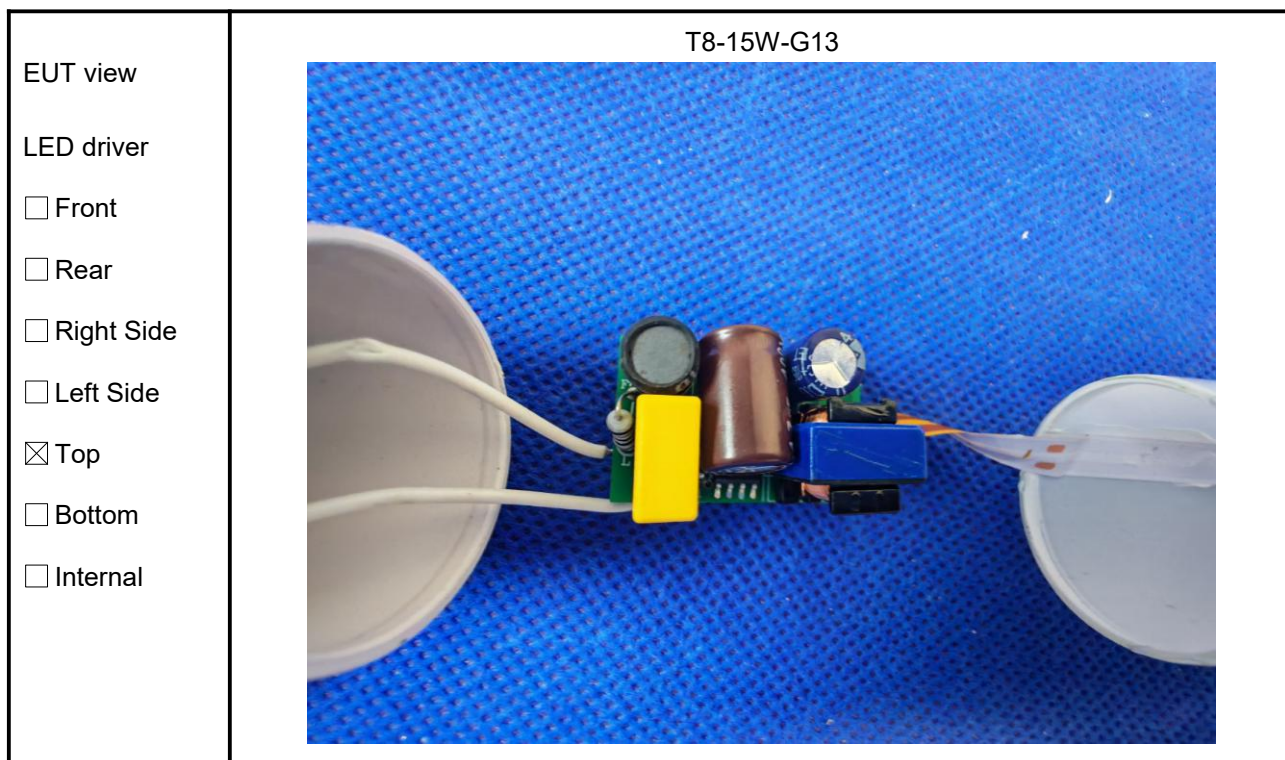
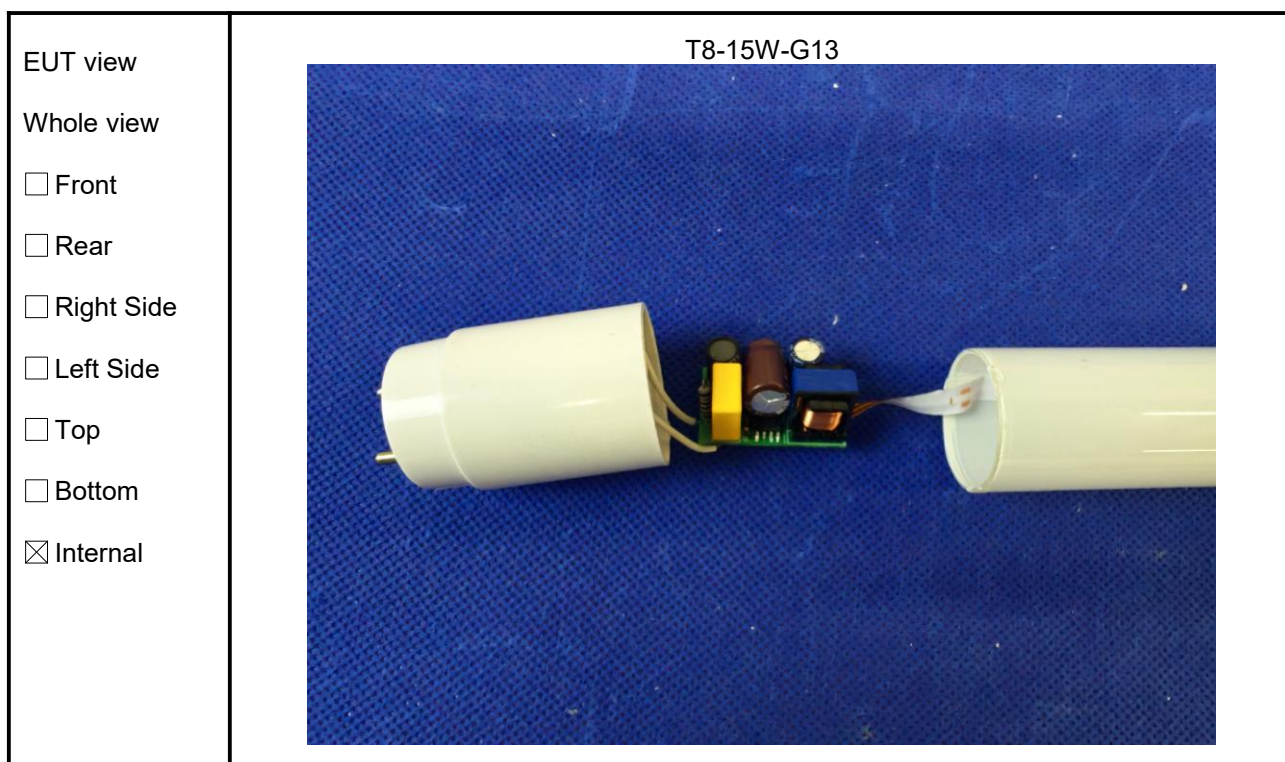


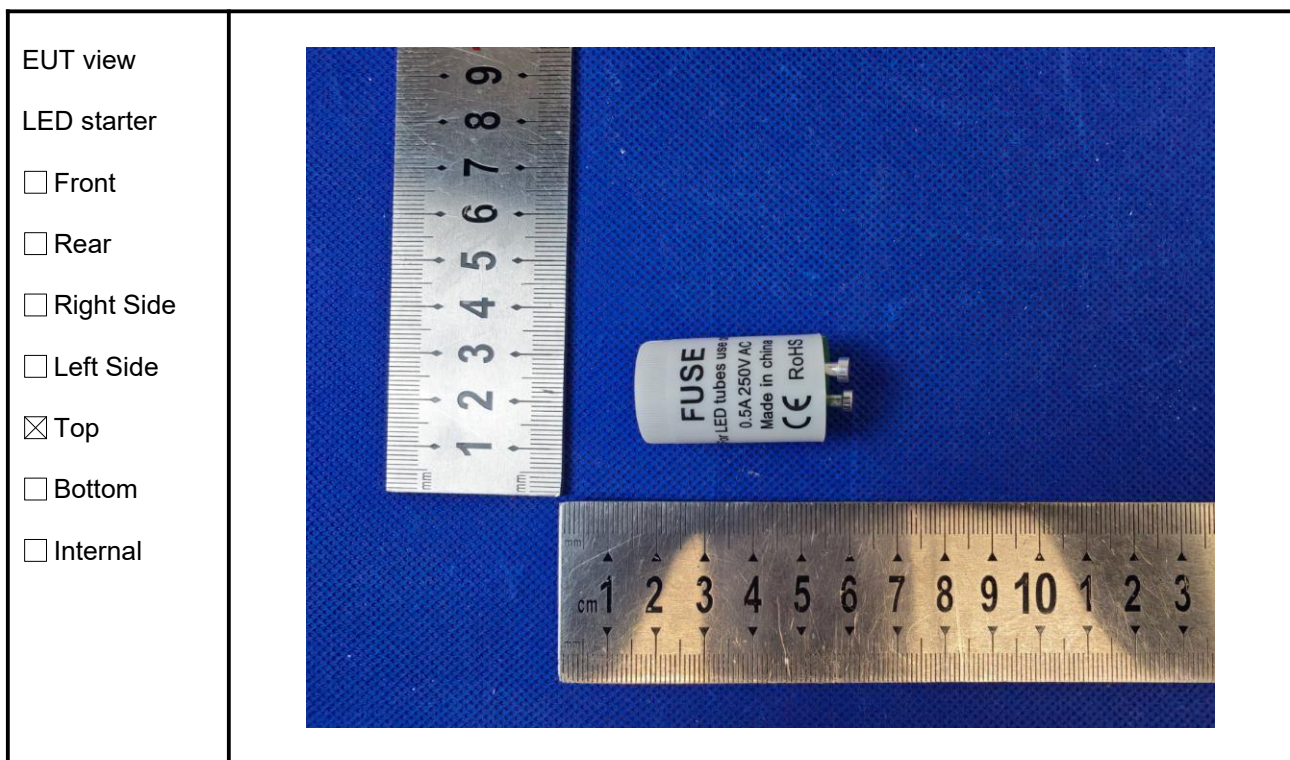
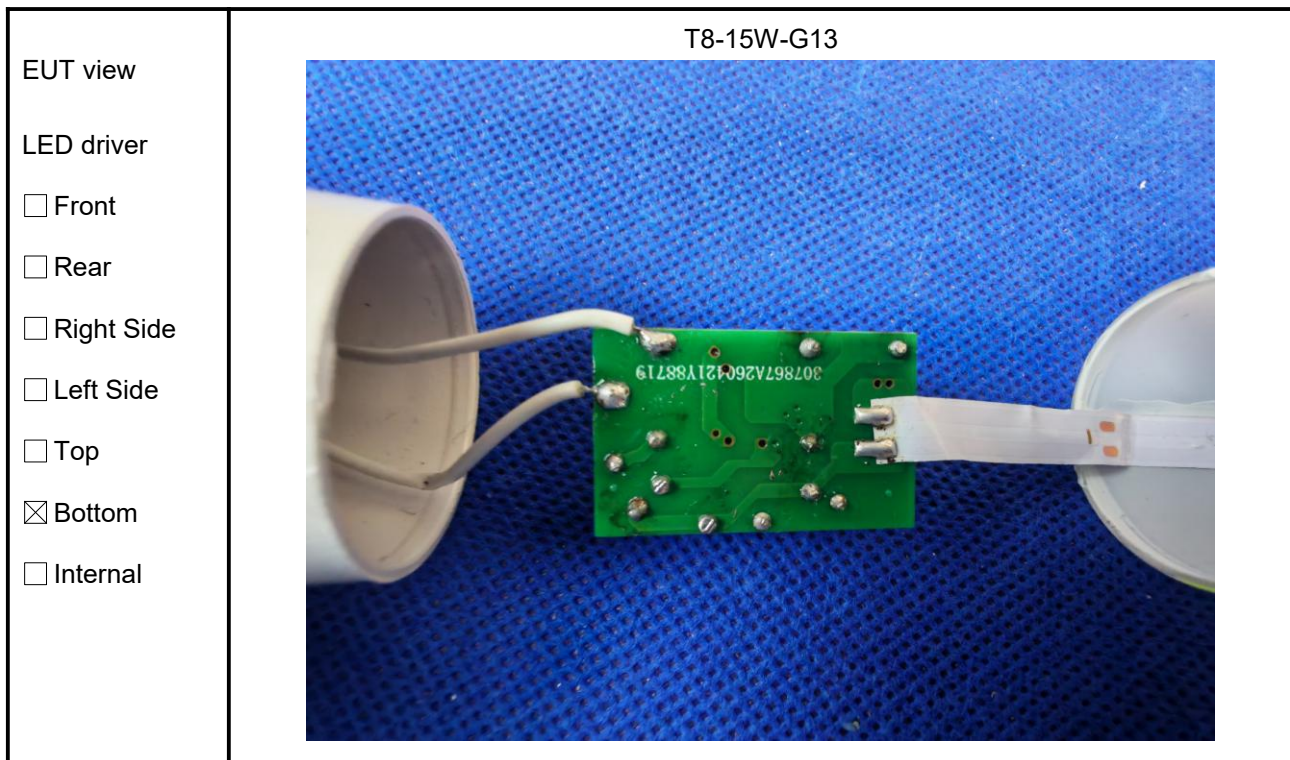


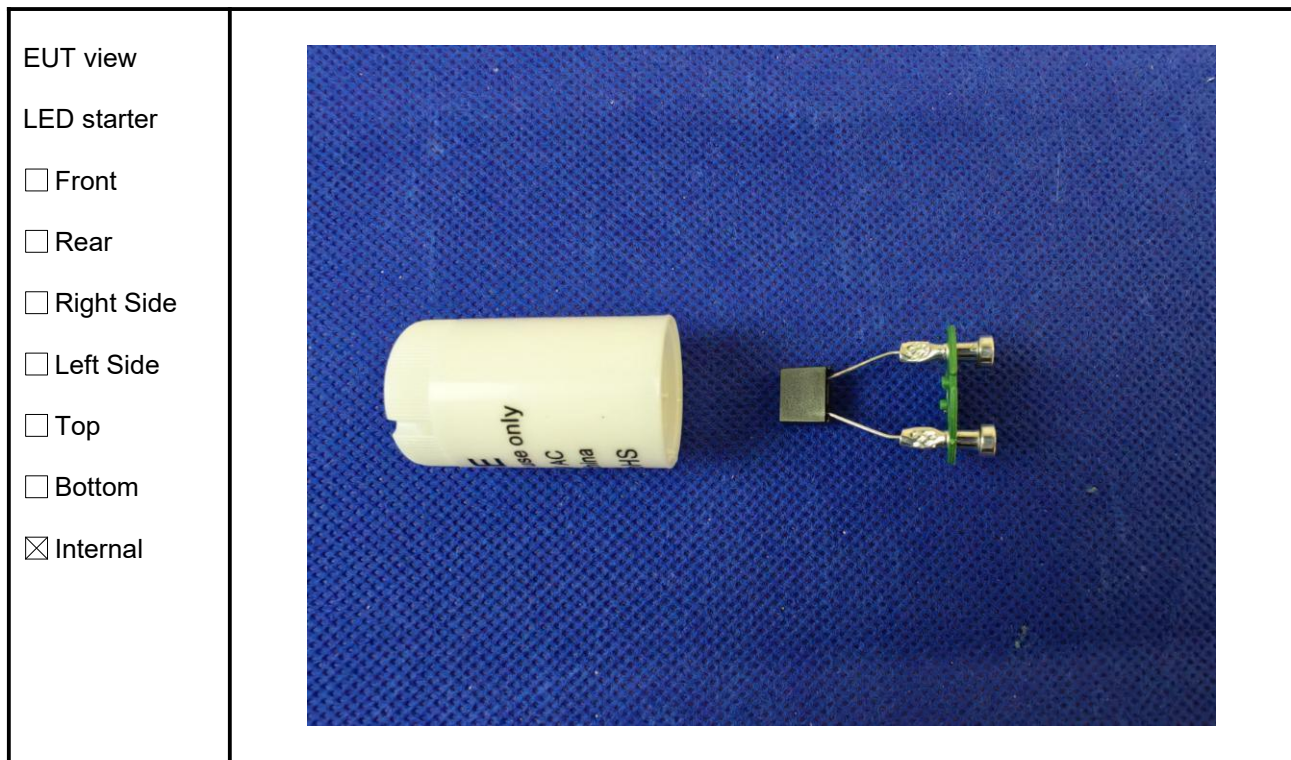












APPENDIX B - TEST SETUP PHOTOGRAPHS

Conducted Emission



Radiated Electromagnetic Disturbance



Radiated Disturbances



---- End of Report ----