EMC TEST REPORT

For

MASSPHOTON LIMITED

UVC LED Water Disinfection System

Test Model: MP-UVC-9LC

Additional Model No.: Please Refer to Page 9

Prepared for	:	MASSPHOTON LIMITED
Address	:	Unit 542, 5/F, Building 5W, Phase One, Hong Kong Science Park, Pak Shek Kok, New Territories, Hong Kong
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
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Web	:	www.lcs-cert.com
Mail	:	webmaster@lcs-cert.com
Date of receipt of test sample	:	April 25, 2025
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	April 25, 2025 to April 29, 2025
Date of Report	:	April 30, 2025

CE

TEST REPORT

Report No.	:	**LCSA04245137E**
Date of Issue	:	April 30, 2025
Testing Laboratory Name	:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	:	**MASSPHOTON LIMITED**
Address	:	Unit 542, 5/F, Building 5W, Phase One, Hong Kong Science Park, Pak Shek Kok, New Territories, Hong Kong
Test Specification		
Standard	:	EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A2:2021
Test Report Form No	:	TRF-4-E-001 A/0
TRF Originator	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

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Test Item Description	:	**UVC LED Water Disinfection System**
Trade Mark	:	N/A
Test Model	:	MP-UVC-9LC
Result	:	**Pass**

Compiled by:	Supervised by:	Approved by:
Coco Song	Jelly Li	
Coco Song / File Administrator	Jelly Li/ Technique principal	Gavin Liang / Manager

TEST REPORT

Test Report No.: LCSA04245137E	April 30, 2025 Date of issue

Test Model	:	**MP-UVC-9LC**
EUT	:	UVC LED Water Disinfection System
Applicant	:	**MASSPHOTON LIMITED**
Address	:	Unit 542, 5/F, Building 5W, Phase One, Hong Kong Science Park, Pak Shek Kok, New Territories, Hong Kong
Telephone	:	/
Fax	:	/
Manufacturer	:	**MASSPHOTON LIMITED**
Address	:	Unit 542, 5/F, Building 5W, Phase One, Hong Kong Science Park, Pak Shek Kok, New Territories, Hong Kong
Telephone	:	/
Fax	:	/
Factory	:	**Yangchun Honk Technology Co.,Ltd.**
Address	:	No.103 Yuanzhong Avenue, Chuncheng Street, Yangchun City, Guangdong Province, China
Telephone	:	/
Fax	:	/

Test Result	**Pass**

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

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	April 30, 2025	Initial Issue	/

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1. TEST STANDARDS

The tests were performed according to following standards:

EN IEC 55014-1:2021: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission

EN IEC 55014-2:2021: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard

EN IEC 61000-3-2:2019/A1:2021: Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16A per phase)

EN 61000-3-3:2013/A2:2021: 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

2. SUMMARY OF STANDARDS AND RESULTS

2.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Limits	Test Engineer	Result
Disturbance voltage from AC mains port	EN IEC 55014-1:2021	Table 5	Xing Mo	Pass
Radiated disturbance (30MHz-1GHz)	EN IEC 55014-1:2021	Table 9	Xing Mo	Pass
Harmonic current emission	EN IEC 61000-3-2:2019/A1:2021	Class A	Xing Mo	N/A
Voltage fluctuations and flicker	EN 61000-3-3:2013/A2:2021	Clause 4	Xing Mo	Pass
Electrostatic discharge	EN IEC 55014-2:2021	Clause 7.2	Xing Mo	Pass
Fast transients for AC power ports	EN IEC 55014-2:2021	Clause 7.2	Xing Mo	Pass
Surges for AC power ports	EN IEC 55014-2:2021	Clause 7.2	Xing Mo	Pass
Injected currents for AC power ports	EN IEC 55014-2:2021	Clause 7.2	Xing Mo	Pass
Voltage dips	EN IEC 55014-2:2021	Clause 7.2	Xing Mo	Pass
N/A is an abbreviation for Not Applicable.				

2.2 Description of Test Modes

No	Title	Description
TM1	Working(AC 230V/50Hz)	Record

2.3 Description of Performance Criteria

Performance Criteria

Performance criterion A
The apparatus shall continue to operate as intended during the test.
No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.

Performance criterion B
The apparatus shall continue to operate as intended after the test.
No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however no change of actual operating state or stored data is allowed to persist after the test. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.

Performance criterion B/C
B: The apparatus shall continue to operate as intended after the test.
No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however no change of actual operating state or stored data is allowed to persist after the test. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.
C: Temporary loss of function is allowed, provided the function is selfrecoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.
Performance criterion C may be applied to toys not using score or data entered by the user.

Performance criterion C
Temporary loss of function is allowed, provided the function is selfrecoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.

3. GENERAL INFORMATION

3.1 Description of Device (EUT)

EUT	:	UVC LED Water Disinfection System
Test Model	:	MP-UVC-9LC
Model Lists	:	MP-UVC-200LB, MP-UVC-180LB, MP-UVC-150LB, MP-UVC-130LB, MP-UVC-110LB, MP-UVC-100LB, MP-UVC-90LB, MP-UVC-70LB, MP-UVC-60LB, MP-UVC-50LB, MP-UVC-50LC, MP-UVC-48LB, MP-UVC-48LC, MP-UVC-35LB, MP-UVC-35LC, MP-UVC-30LB, MP-UVC-30LC, MP-UVC-25LB, MP-UVC-25LC, MP-UVC-24LB, MP-UVC-24LC, MP-UVC-18LB, MP-UVC-18LC, MP-UVC-16LB, MP-UVC-16LC, MP-UVC-15LB, MP-UVC-15LC, MP-UVC-12LB, MP-UVC-12LC, MP-UVC-9LC1, MP-UVC-9LC0, MP-UVC-9LC, MP-UVC-9LB, MP-UVC-7.5LC, MP-UVC-7.5LB, MP-UVC-6LC, MP-UVC-6LB, MP-UVC-4LC1, MP-UVC-4LC0, MP-UVC-4LB, MP-UVC-3LB, MP-UVC-3LC, MP-UVC-2LB, MP-UVC-2LC, MP-UVC-1.5LB, MP-UVC-0.8LB, MP-UVC-0.5LB, MP-UVC-0.3LB, MP-UVC-0.1LB
Model Declaration	:	PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Power Supply	:	Input Voltage: 100V-240V Input Current: 0.3A Output Voltage: DC24V Output Current: 1A Rated Power: 24W Working Frequency: 50/60Hz
Highest Internal Frequency	:	F≤108MHz

3.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
/	Adapter	HSTF-2401500C	/	/

3.3 Description of Test Facility

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

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.

3.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emission (9kHz to 150kHz)	± 2.63 dB
Conducted Emission (150kHz to 30MHz)	± 2.35 dB
Radiated Emission (30MHz to 1000MHz)	± 3.48 dB
Voltage Fluctuations & Flicker	± 0.510%
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

4. MEASURING DEVICES AND TEST EQUIPMENT

Conducted emissions from AC mains power ports (150kHz-30MHz)				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
EMI Test Software	Farad	EZ	/	/
Artificial Mains	R&S	ENV216	101288	2025-06-05
Pulse Limiter	R&S	ESH3-Z2	102750-NB	2025-06-05
EMI Test Receiver	R&S	ESR3	102312	2026-03-05

Radiated emissions (30MHz-1GHz)				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
EMI Test Software	Farad	EZ	/	/
EMI Test Software	AUDIX	E3	/	/
By-log Antenna	SCHWARZBECK	VULB9163	01143	2027-07-19
Horn Antenna	SCHWARZBECK	3115	EABF-018	2027-07-19
EMI Test Receiver	R&S	ESR3	102311	2025-06-05
Broadband Preamplifier	/	BP-01M18G	P190501	2025-06-05
EMI Test Receiver	R&S	ESCI7	101173	2025-10-07
By-log Antenna	SchwarzZBECK	VULB9163	01565	2027-07-12

Voltage fluctuations and flicker				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
HARMONICS&FLICKER MEASUREMENT SYSTEM	EVERFINE	HFM-3000	P630850CD1411116	2026-03-05
HARMONICS&FLICKER TESTING POWER SOURCE	EVERFINE	HFS-4000	P624486CD14111124	2026-03-05

Electrostatic discharges				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
ESD Simulator	SCHLODER	SESD 230	604035	2025-07-14

Electrical fast transients / burst for AC mains power ports				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
Immunity Simulative Generator	EM TEST	UCS500-M4	0101-34	2025-06-05

Surges for AC mains power ports				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
Immunity Simulative Generator	EM TEST	UCS500-M4	0101-34	2025-06-05

Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
Simulator	FRANKONIA	CIT-10/75	A126A1195	2025-06-05
CDN	FRANKONIA	CDN-M2+M3	A2210177	2025-06-05
6dB Attenuator	FRANKONIA	DAM25W	1172040	2025-06-05

Voltage dips and interruptions				
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Due Date**
Voltage dips and up generator	3CTEST	VDG-1105G	EC0171014	2025-06-05
Three phase power supply fault simulator	HTEC	HPFS 2003P	234711	2026-01-06
Programmable AC fault power supply	HTEC	HV3P200T	234710	2026-01-06

5. EMISSION TEST RESULTS (EMI)

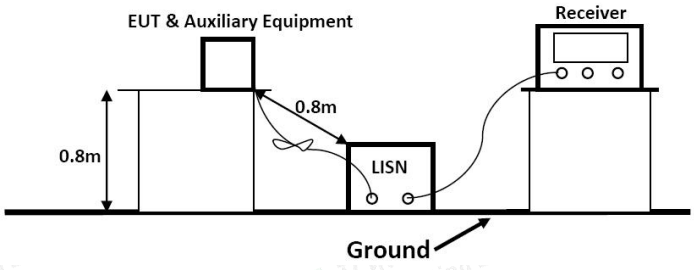
5.1 Disturbance voltage from AC mains port

Test Requirement:	Table 5
Test Limit:	**Frequency range** / **Mains ports Disturbance voltage**: MHz; Quasi-peak dBµV; Average dBµV 0,15 to 0,50: Decreasing linearly with the logarithm of the frequency from: 66 to 56 / 59 to 46 0,50 to 5: 56 / 46 5 to 30: 60 / 50 The lower limit applies at the transition frequencies. The test report shall state which test method was used and which limits were applied.
Test Method:	CISPR 16-2-1:2014/AMD1:2017
Procedure:	An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor[

5.1.1 E.U.T. Operation:

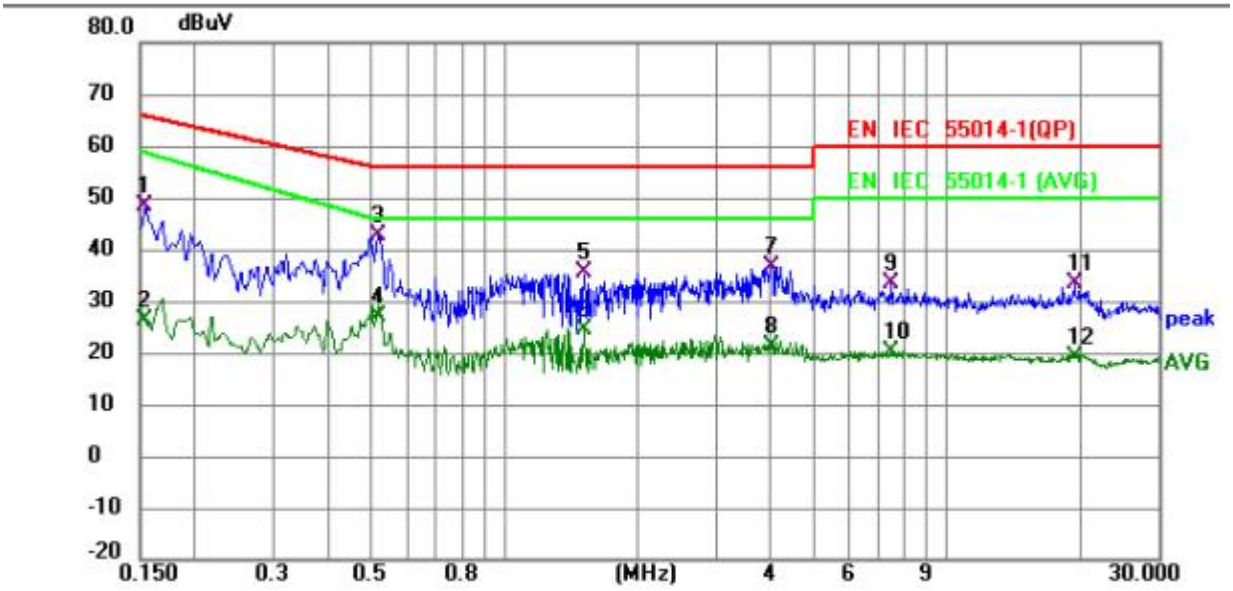
Operating Environment:			
Temperature:	24.4 °C	Humidity:	53.0 %
Pre test mode:	TM1		
Final test mode:	TM1		

5.1.2 Test Setup Diagram:



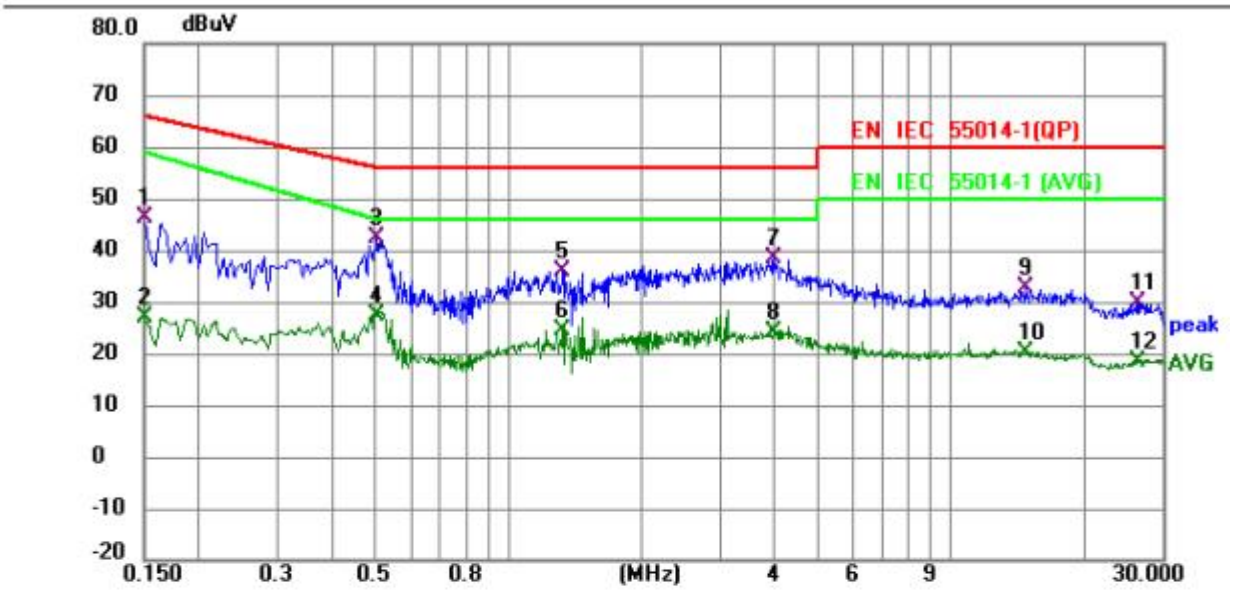
5.1.3 Test Data:

TM1 / Line: Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.154	27.59	20.63	48.22	65.79	-17.57	QP	
2		0.154	5.75	20.63	26.38	58.72	-32.34	AVG	
3	*	0.514	21.77	20.87	42.64	56.00	-13.36	QP	
4		0.514	6.01	20.87	26.88	46.00	-19.12	AVG	
5		1.514	14.52	20.84	35.36	56.00	-20.64	QP	
6		1.514	3.52	20.84	24.36	46.00	-21.64	AVG	
7		4.020	15.72	20.83	36.55	56.00	-19.45	QP	
8		4.020	0.29	20.83	21.12	46.00	-24.88	AVG	
9		7.521	12.87	20.42	33.29	60.00	-26.71	QP	
10		7.521	-0.13	20.42	20.29	50.00	-29.71	AVG	
11		19.424	12.47	20.77	33.24	60.00	-26.76	QP	
12		19.424	-1.56	20.77	19.21	50.00	-30.79	AVG	

TM1 / Line: Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.150	25.79	20.59	46.38	66.00	-19.62	QP	
2		0.150	6.33	20.59	26.92	59.00	-32.08	AVG	
3	*	0.505	21.28	20.87	42.15	56.00	-13.85	QP	
4		0.505	6.57	20.87	27.44	46.00	-18.56	AVG	
5		1.325	15.11	20.87	35.98	56.00	-20.02	QP	
6		1.325	3.47	20.87	24.34	46.00	-21.66	AVG	
7		3.975	17.40	20.88	38.28	56.00	-17.72	QP	
8		3.975	3.21	20.88	24.09	46.00	-21.91	AVG	
9		14.698	11.91	20.71	32.62	60.00	-27.38	QP	
10		14.698	-0.60	20.71	20.11	50.00	-29.89	AVG	
11		26.299	8.78	20.90	29.68	60.00	-30.32	QP	
12		26.299	-2.59	20.90	18.31	50.00	-31.69	AVG	

***Note: 1) Margin= Reading level + Correct factor–Limit
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limitter

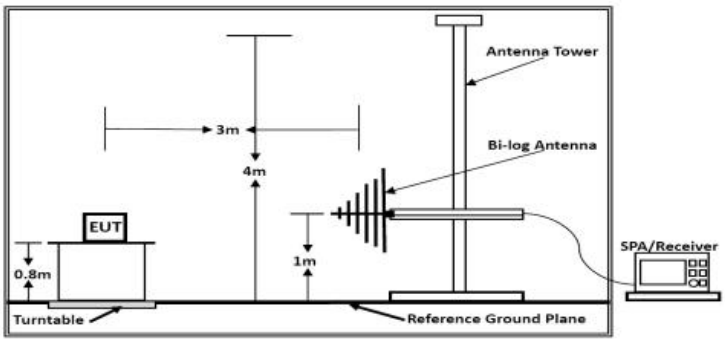
5.2 Radiated disturbance (30MHz-1GHz)

Test Requirement:	Table 9
Test Limit:	Frequency range (MHz) / Limits at 10m Quasi-peak (dBuV/m) / Limits at 3m Quasi-peak (dBuV/m) 30 to 230 / 30 / 40 230 to 1 000 / 37 / 47 The lower limit is applies at the transition frequency.
Test Method:	CISPR 16-2-3:2016/AMD1:2019
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

5.2.1 E.U.T. Operation:

Operating Environment:			
Temperature:	26.4 °C	Humidity:	54.2 %
Pre test mode:	TM1		
Final test mode:	TM1		

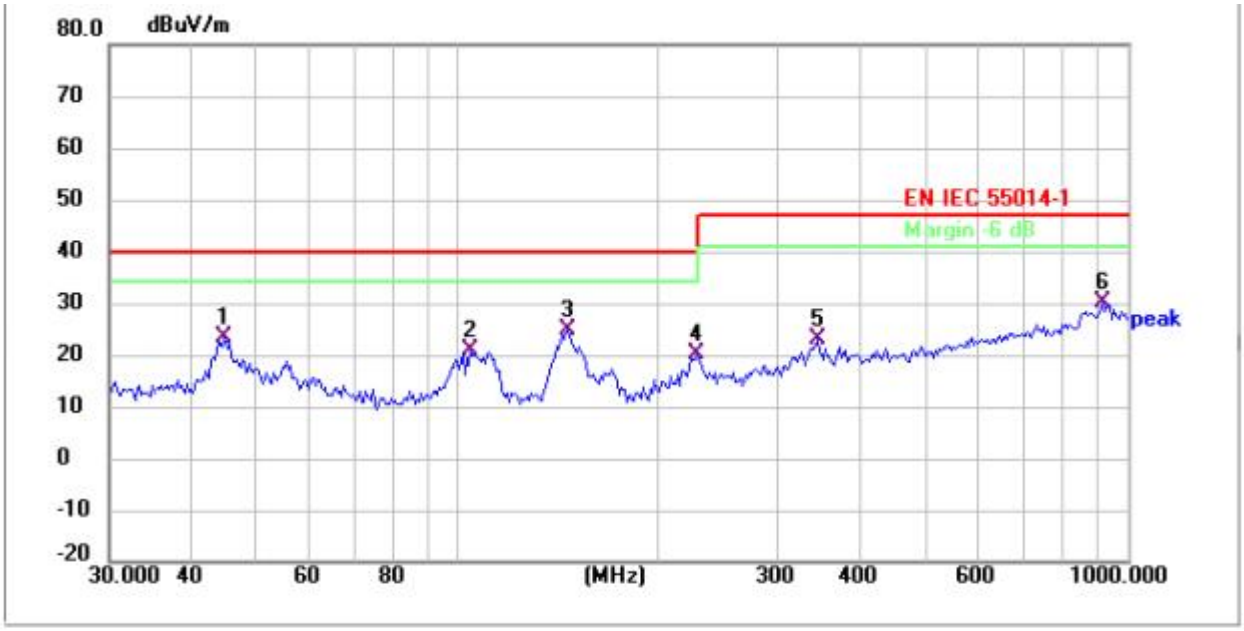
5.2.2 Test Setup Diagram:



Below 1GHz

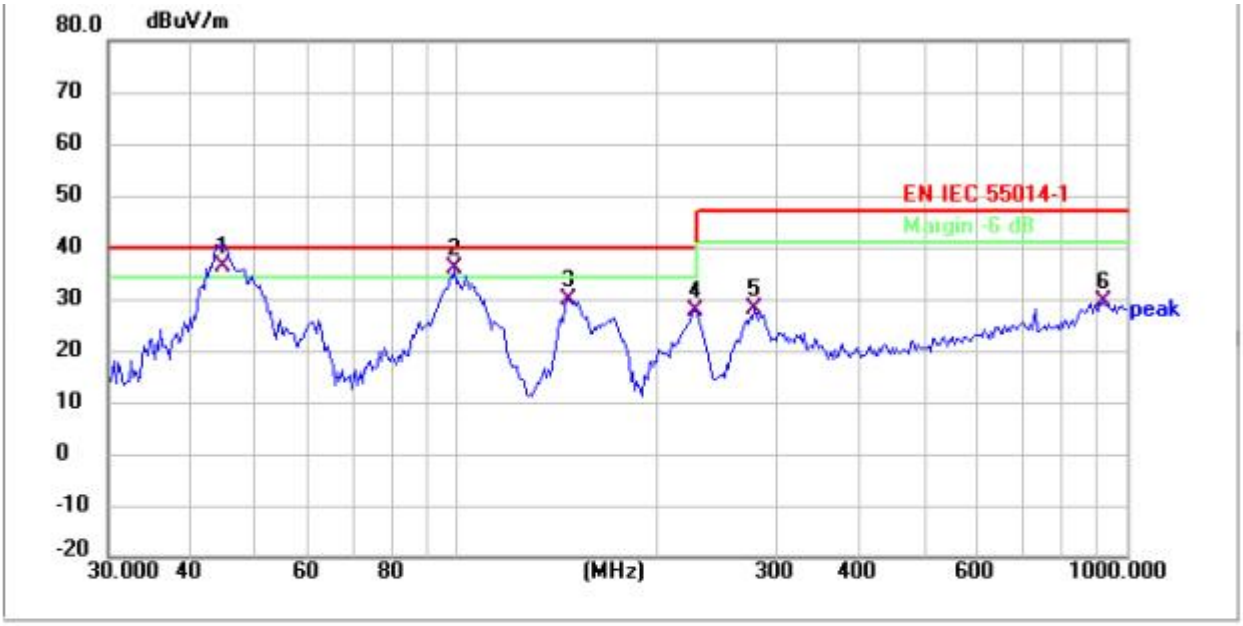
5.2.3 Test Data:

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	44.466	34.18	-10.76	23.42	40.00	-16.58	QP	P	
2	104.064	33.07	-12.16	20.91	40.00	-19.09	QP	P	
3 *	145.811	39.98	-15.13	24.85	40.00	-15.15	QP	P	
4	227.016	32.19	-11.98	20.21	40.00	-19.79	QP	P	
5	343.651	31.81	-8.64	23.17	47.00	-23.83	QP	P	
6	919.132	31.28	-1.27	30.01	47.00	-16.99	QP	P	

TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	44.466	46.86	-10.76	36.10	40.00	-3.90	QP	P	
2 !	99.069	47.82	-12.05	35.77	40.00	-4.23	QP	P	
3	146.839	45.25	-15.33	29.92	40.00	-10.08	QP	P	
4	227.016	39.65	-11.98	27.67	40.00	-12.33	QP	P	
5	278.331	39.05	-11.00	28.05	47.00	-18.95	QP	P	
6	925.613	30.80	-1.35	29.45	47.00	-17.55	QP	P	

Note:1).Margin= Reading level + Correct factor – Limit
Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor

5.3 Harmonic current emission

Test Requirement:	Class A
Test Limit:	Not specified
Test Method:	EN IEC 61000-3-2:2019/A1:2021

5.3.1 Conclusion:

Refer to EN IEC 61000-3-2 clause 7.1:
"For the following categories of equipment, limits are not specified in this document:
– lighting equipment with a rated power less than but not equal to 5 W;
– equipment with a rated power of 75 W or less, other than lighting equipment;"
Since the rated power of the EUT is less than above described, it is deemed to comply with the requirement.

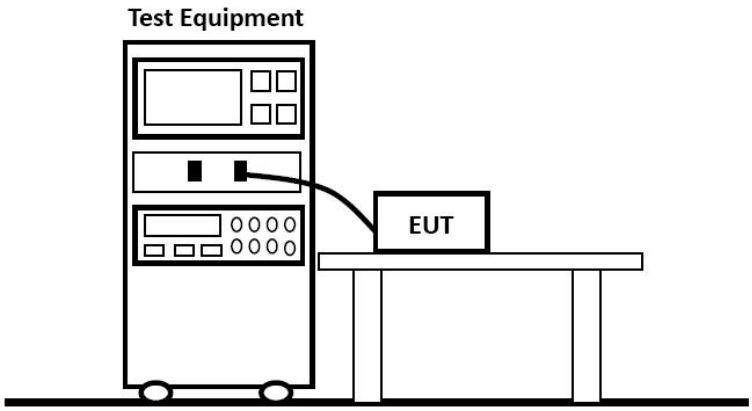
5.4 Voltage fluctuations and flicker

Test Requirement:	Clause 4
Test Limit:	Clause 5
Test Method:	EN 61000-3-3:2013/A2:2021

5.4.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.6 °C	Humidity:	54.3 %
Pre test mode:	TM1		
Final test mode:	TM1		

5.4.2 Test Setup Diagram:

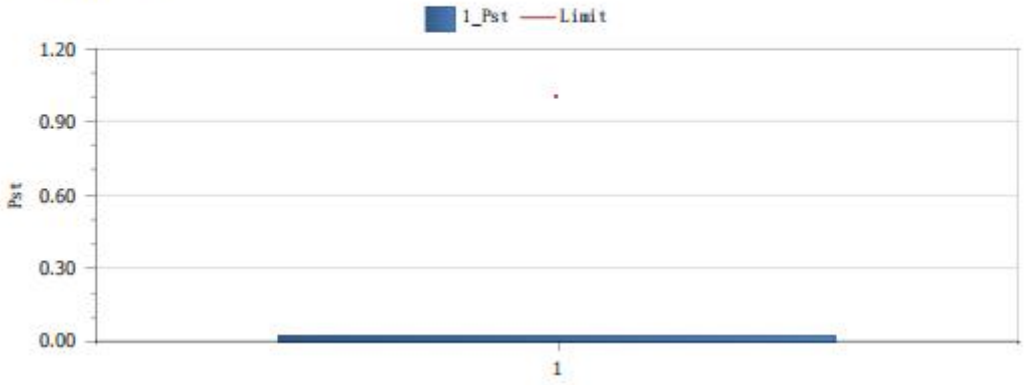


5.4.3 Test Data:

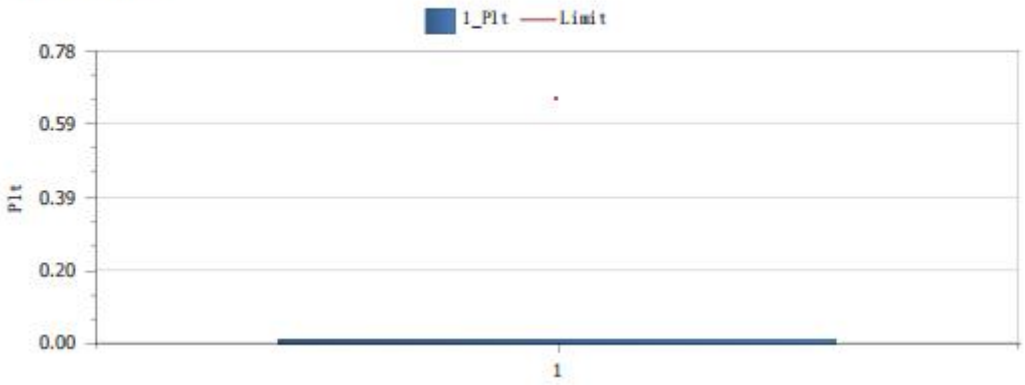
TM1

Customer : Result : Pass

Pst and Limit



Plt and Limit



Relevant Parameter and Judgment During Test Period

Voltage at end of test	230.182V		
Voltage Fluctuation and Flicker	Test Value	Test Limit	Result
Tmax	0ms	500ms	Pass
dc	0.00%	3.30%	Pass
dmax	0.00%	4.00%	Pass
Pst	0.021	1.000	Pass
Plt	0.009	0.650	Pass

Eleml Test Parameters

Count	dc(%)	dmax(%)	Tmax(ms)	Pst	Plt
1	0.00	0.00	0.00	0.021	0.009

6. IMMUNITY TEST RESULTS (EMS)

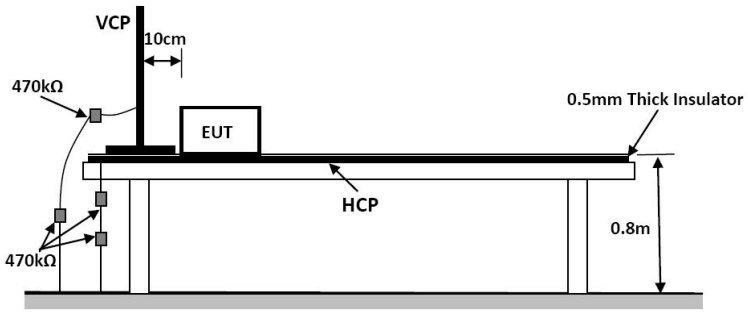
6.1 Electrostatic discharge

Test Requirement:	Clause 7.2
Test Method:	EN 61000-4-2:2009
Procedure:	Discharge Impedance: 330 Ω / 150 pF Discharge Voltage: Air Discharge: 8 kV; Contact Discharge:4 kV; VCP/HCP: 4 kV. Polarity: Positive & Negative Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum
Performance Criteria:	B

6.1.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.2 °C	Humidity:	51.9 %
Pre test mode:	TM1		
Final test mode:	TM1		

6.1.2 Test Setup Diagram:



6.1.3 Test Data:

Discharge type	Volt (kV)	Polarity	Test Point	Result/ Observations
Air discharge	8	+	10	B
Air discharge	8	-	10	B
Contact discharge	4	+	10	B
Contact discharge	4	-	10	B
Horizontal Coupling	4	+	10	A
Horizontal Coupling	4	-	10	A
Vertical Coupling	4	+	10	A
Vertical Coupling	4	-	10	A

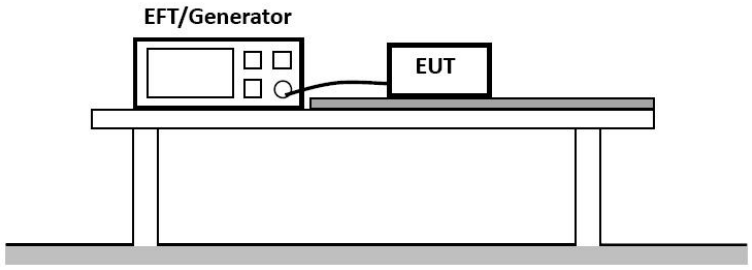
6.2 Fast transients for AC power ports

Test Requirement:	Clause 7.2
Test Method:	EN 61000-4-4:2012
Procedure:	Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level & polarity Test Level: 1.0kV Polarity: Positive & Negative
Performance Criteria:	B

6.2.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.2 °C	Humidity:	51.9 %
Pre test mode:	TM1		
Final test mode:	TM1		

6.2.2 Test Setup Diagram:



6.2.3 Test Data:

Port	Volt (kV)	Polarity	CDN/ Clamp	Result/ Observations
AC power port	1	+	CDN	B
AC power port	1	-	CDN	B

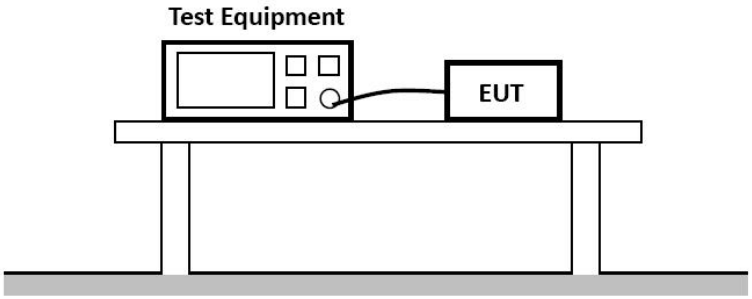
6.3 Surges for AC power ports

Test Requirement:	Clause 7.2
Test Method:	EN 61000-4-5:2014+A1:2017
Procedure:	Interval: 60s between each surge Test Level: ±1kV Live to Neutral Polarity: Positive & Negative Generator source impedance: 2Ω Trigger Mode: Internal No. of surges: 5 positive at 90°, 5 negative at 270°.
Performance Criteria:	B

6.3.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.2 °C	Humidity:	51.9 %
Pre test mode:	TM1		
Final test mode:	TM1		

6.3.2 Test Setup Diagram:



6.3.3 Test Data:

Port	Volt (kV)	Polarity	Phase(degree)	Result/ Observations
L-N	1	+	90°	B
L-N	1	-	270°	B

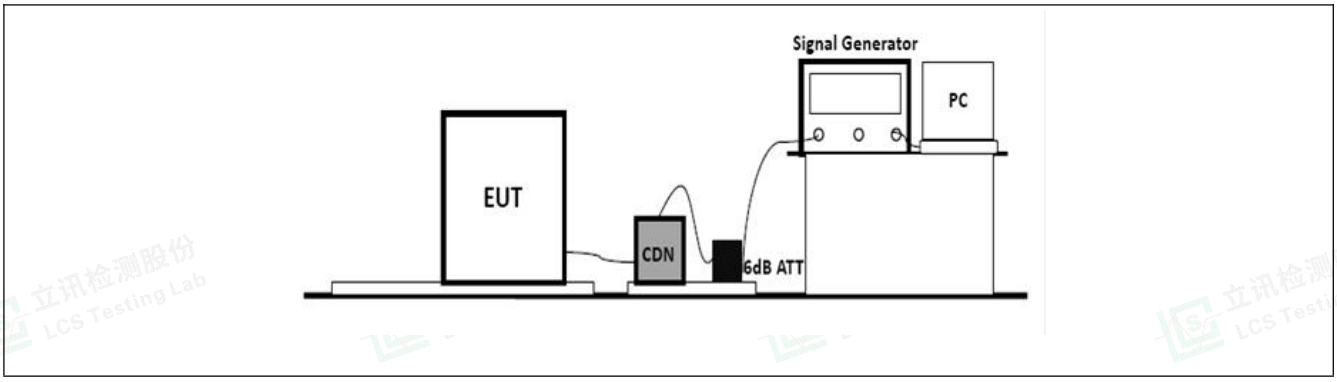
6.4 Injected currents for AC power ports

Test Requirement:	Clause 7.2
Test Method:	EN 61000-4-6:2014
Procedure:	0,15 MHz to 230 MHz RF current common mode 1 kHz, 80 % AM 3 V (RMS) (unmodulated) 150 Ω source impedance
Performance Criteria:	A

6.4.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.2 °C	Humidity:	51.9 %
Pre test mode:	TM1		
Final test mode:	TM1		

6.4.2 Test Setup Diagram:



6.4.3 Test Data:

Port	Strength (Vrms)	CDN/Clamp	Dwell Time	Result /Observation
AC port	3	CDN	2s	A

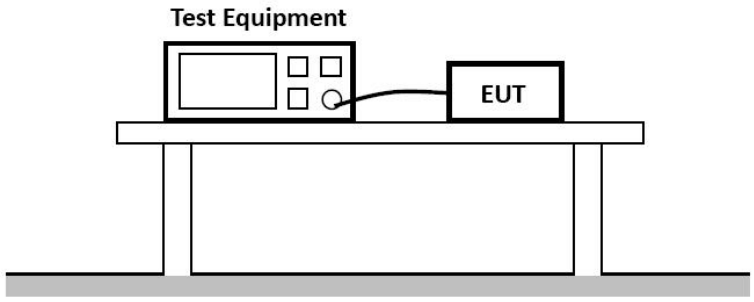
6.5 Voltage dips

Test Requirement:	Clause 7.2
Test Method:	EN IEC 61000-4-11:2020
Procedure:	0% of UT for 0.5 Cycle 40% of UT for 10 Cycle 70% of UT for 25 Cycle No. of Dips / Interruptions: 3 per Level Time between dropout 10s
Performance Criteria:	C

6.5.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.2 °C	Humidity:	51.9 %
Pre test mode:	TM1		
Final test mode:	TM1		

6.5.2 Test Setup Diagram:

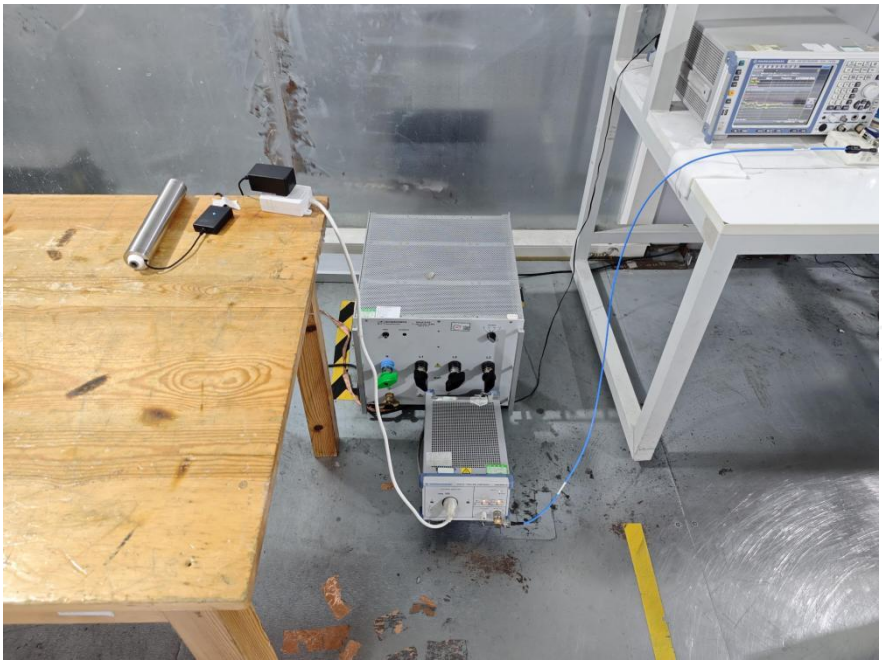


Test Data:

Level %UT	Phase (degree)	Duration	No. of Dips/ Interruptions	Result/ Observations
0	0°	0.5 Cycles	3	C
0	180°	0.5 Cycles	3	C
40	0°	10 Cycles	3	C
40	180°	10 Cycles	3	C
70	0°	25 Cycles	3	C
70	180°	25 Cycles	3	C

7. TEST SETUP PHOTOS

Disturbance voltage from AC mains port



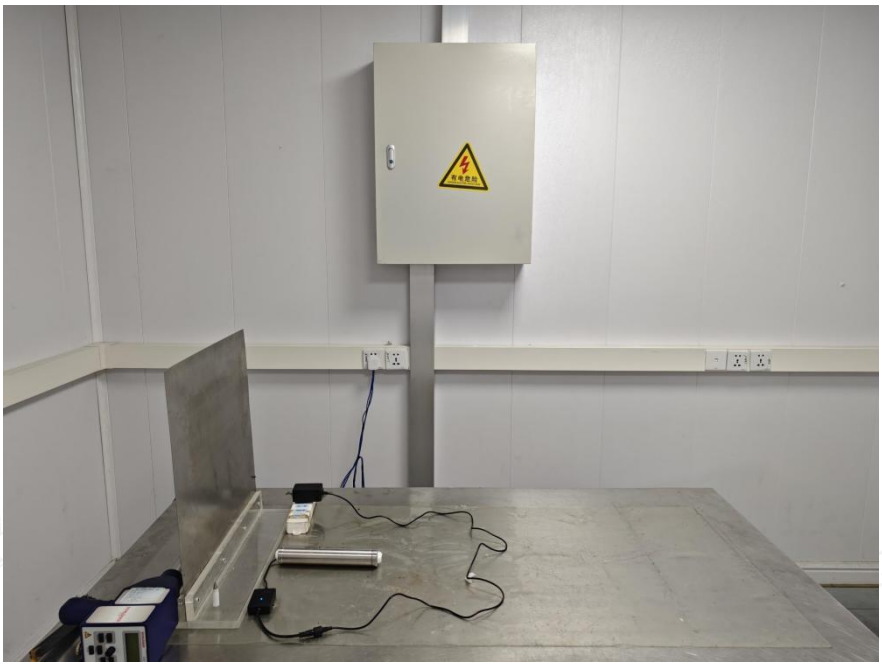
Radiated disturbance (30MHz-1GHz)



Voltage fluctuations and flicker



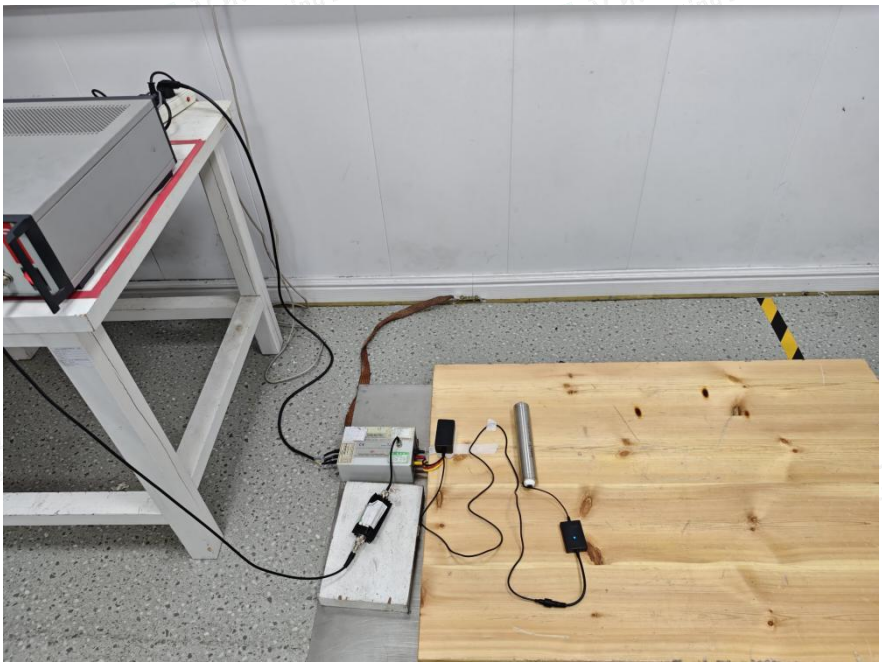
Electrostatic discharge



Fast transients for AC power ports
Surges for AC power ports



Injected currents for AC power ports



Voltage dips



8. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

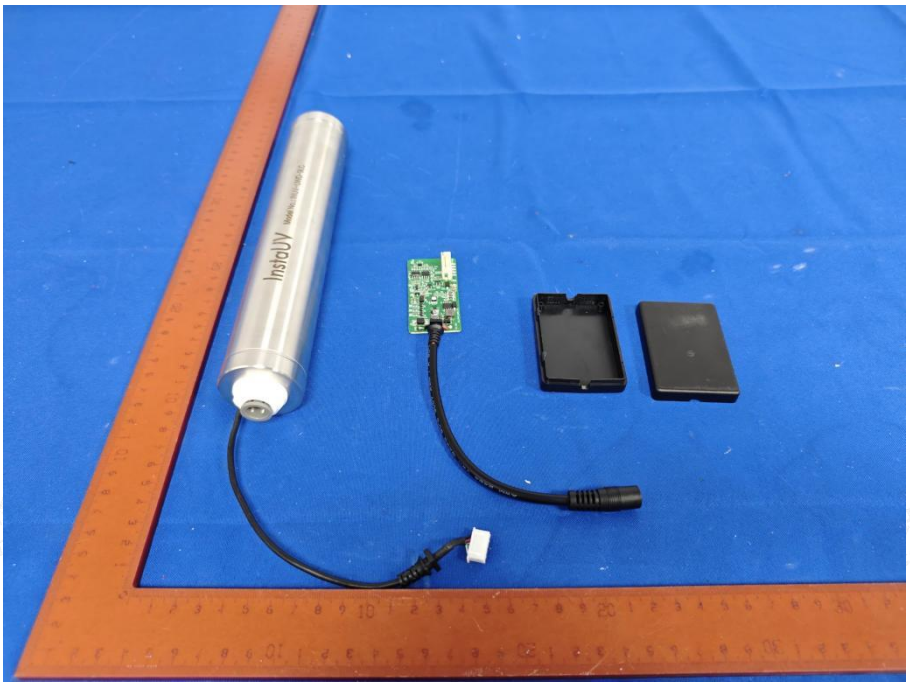


Fig. 6

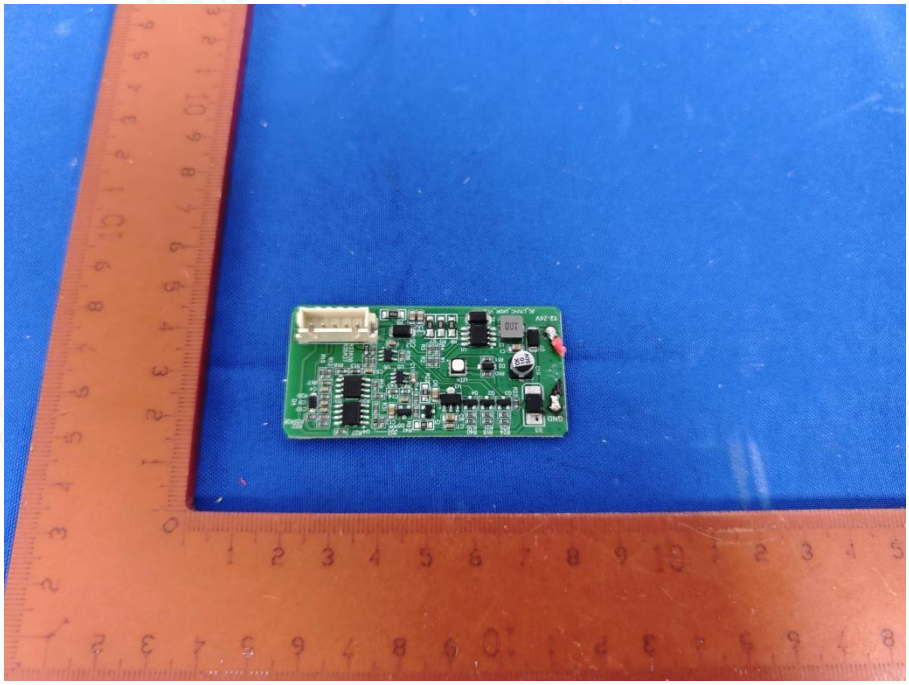


Fig. 7

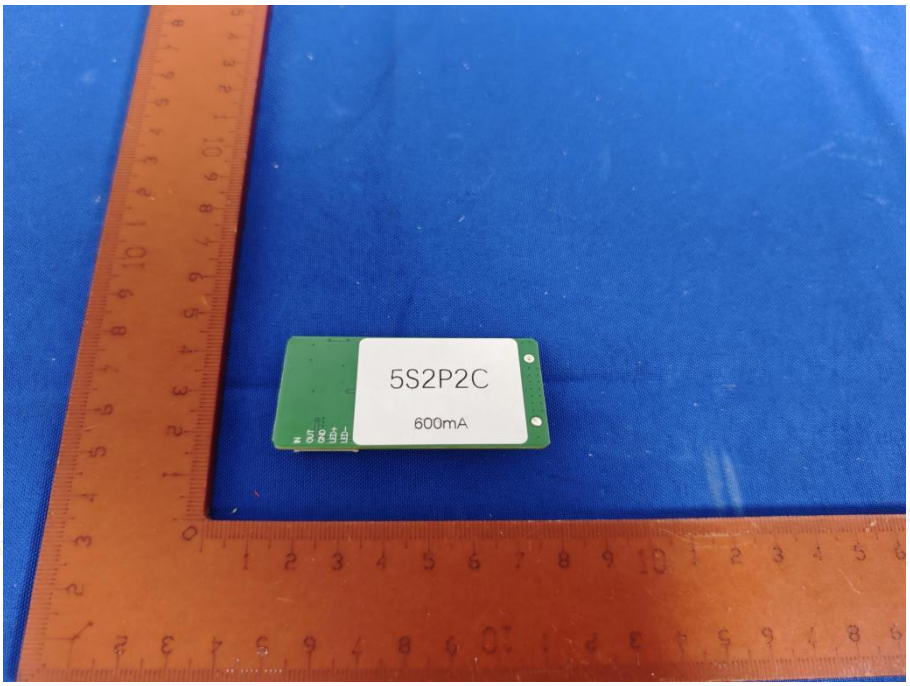


Fig. 8

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