EMC TEST REPORT
For

SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD

ILLUMINATED SIGNS

Model No.: 900*900

Additional Model No.: 670*900, 445*900, 220*900, 5520*940, 5520*1860, 500*500*900, 520*520*1860,900*1820, 670*1820, 445*1820, 220*1820

Prepared for	:	SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD
Address	:	Room 418, Block 1, No. 1000 zhenchen Road, Baoshan District, Shanghai, China
Prepared by	:	Shenzhen AOCE Electronic Technology Service Co., Ltd.
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Date of receipt of test sample	:	July 2, 2025
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	July 2, 2025 - July 16, 2025
Date of Report	:	July 16, 2025

CE

EMC TEST REPORT
EN IEC 55015: 2019+A11: 2020
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN IEC 61547: 2023
Equipment for general lighting purposes - EMC immunity requirements

Report Reference No. ..... :	**AOC250716103E**
Date Of Issue.....:	July 16, 2025
Testing Laboratory Name.....:	**Shenzhen AOCE Electronic Technology Service Co., Ltd.**
Address.....:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Testing Location/ Procedure.....:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name.....:	**SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD**
Address.....:	Room 418, Block 1, No. 1000 zhenchen Road, Baoshan District, Shanghai, China
Test Specification:	
Standard.....:	EN IEC 55015:2019+A11:2020 EN IEC 61000-3-2:2019+A1:2021+A2:2024 EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022 EN IEC 61547: 2023
Test Report Form No..... :	AOCEMC-1.0
TRF Originator.....:	Shenzhen AOCE Electronic Technology Service Co., Ltd.
Master TRF..... :	Dated 2011-03

Test Item Description..... :	**ILLUMINATED SIGNS**
Trade Mark.....:	OMODA JAECOO
Model/ Type Reference.....:	900*900
Ratings.....:	DC 24V, 8.3A, 95W
Result .....:	**Positive**

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

EMC -- TEST REPORT

Test Report No. : AOC250716103E	July 16, 2025 Date of issue

Type / Model.....	:	ILLUMINATED SIGNS
EUT.....	:	900*900
Applicant.....	**:**	**SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD**
Address.....	:	Room 418, Block 1, No. 1000 zhenchen Road, Baoshan District, Shanghai, China
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD**
Address.....	:	Room 418, Block 1, No. 1000 zhenchen Road, Baoshan District, Shanghai, China
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD**
Address.....	:	Room 418, Block 1, No. 1000 zhenchen Road, Baoshan District, Shanghai, China
Telephone.....	:	/
Fax.....	:	/

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

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

TABLE OF CONTENTS

Test Report Description Page

1. SUMMARY OF STANDARDS AND RESULTS

1.1.Description of Standards and Results

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

EMISSION (EN IEC 55015: 2019+A11: 2020)			
Description of Test Item	**Standard**	**Limits**	**Results**
Conducted disturbance at mains terminals	EN IEC 55015: 2019+A11: 2020	--------	N/A
Magnetic field emission	EN IEC 55015: 2019+A11: 2020	--------	PASS
Radiated disturbance	EN IEC 55015: 2019+A11: 2020	--------	PASS
Harmonic current emissions	EN IEC 61000-3-2: 2019+A1:2021+A2:2024	Class C	N/A
Voltage fluctuations & flicker	EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022	--------	N/A

IMMUNITY (EN IEC 61547: 2023)			
Description of Test Item	**Basic Standard**	**Performance Criteria**	**Results**
Electrostatic discharge (ESD)	EN 61000-4-2: 2009	B	PASS
Radio-frequency, Continuous radiated disturbance	EN 61000-4-3: 2020	A	PASS
Electrical fast transient (EFT)	EN 61000-4-4: 2012	B	N/A
Surge (Input a.c. power ports)	EN 61000-4-5: 2014+A1: 2017	B	N/A
Radio-frequency, Continuous conducted disturbance	EN 61000-4-6: 2014+AC: 2015	A	N/A
Power frequency magnetic field	EN 61000-4-8: 2010	A	PASS
Voltage dips, 30% reduction	EN 61000-4-11: 2020	C	N/A
Voltage interruptions		B	N/A
N/A is an abbreviation for Not Applicable.			

1.2.Description of Performance Criteria

General Performance Criteria

Examples of functions defined by the manufacturer to be evaluated during testing include, but are not limited to, the following:

— essential operational modes and states;

— tests of all peripheral access (hard disks, floppy disks, printers, keyboard, mouse, etc.);

— quality of software execution;

— quality of data display and transmission;

— quality of speech transmission.

1.2.1.Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacture when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

1.2.2.Performance criterion B

After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacture, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

During the test, degradation of performance is allowed. However, no change of operation 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 deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

1.2.3.Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacture’s instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be loss.

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

EUT : ILLUMINATED SIGNS

Model Number : 900*900

Power Supply : DC 24V, 8.3A, 95W

2.2.Description of Test Facility

EMC Lab.

2.3.Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the AOC 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.

2.4.Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. MEASURING DEVICES AND TEST EQUIPMENT

3.1.Conducted Disturbance

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	101142	2024/04/13
2	10dB Attenuator	SCHWARZBECK	OSPAM236	9729	2024/04/13
3	Artificial Mains	ROHDE & SCHWARZ	ENV216	101288	2024/04/13
4	EMI Test Software	AUDIX	E3	N/A	2024/04/13

3.2.Disturbance Power

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	101142	2024/04/13
2	Absorbing clamp	ROHDE & SCHWARZ	MDS 21	4033	2024/04/13
3	EMI Test Software	AUDIX	E3	N/A	2024/04/13

3.3.Radiated Electromagnetic Disturbance

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	1011423	2024/04/13
2	Triple-loop Antenna	EVERFINE	LLA-2	11050003	2024/04/13
3	EMI Test Receiver	ROHDE & SCHWARZ	ESPI	101840	2024/04/13
4	EMI Test Software	AUDIX	E3	N/A	2024/04/13

3.4.Radiated Disturbance (Electric Field)

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024/04/13
2	EMI Test Receiver	ROHDE & SCHWARZ	ESPI	101840	2024/04/13
3	Log per Antenna	SCHWARZBECK	VULB9163	9163-470	2024/04/13
4	EMI Test Software	AUDIX	E3	N/A	2024/04/13
5	Positioning Controller	MF	MF-7082	/	2024/04/13

3.5.Harmonic Current

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Power Analyzer Test System	Voltech	PM6000	20000670053	2024/04/13

3.6.Voltage fluctuation and Flicker

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Power Analyzer Test System	Voltech	PM6000	20000670053	2024/04/13

3.7. Electrostatic Discharge

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	ESD Simulator	KIKUSUI	KC001311	KES4021	2024/04/13

3.8.RF Field Strength Susceptibility

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	SIGNAL GENERATOR	HP	8648A	625U00573	2024/04/13
2	Amplifier	AR	500A100	17034	2024/04/13
3	Amplifier	AR	100W/1000M1	17028	2024/04/13
4	Isotropic Field Monitor	AR	FM2000	16829	2024/04/13
5	Isotropic Field Probe	AR	FP2000	16755	2024/04/13
6	Bi-conic Antenna	EMCO	3108	9507-2534	2024/04/13
7	By-log-periodic Antenna	AR	AT1080	16812	2024/04/13
8	EMS Test Software	ROHDE & SCHWARZ	ESK1	N/A	2024/04/13

3.9.Electrical Fast Transient/Burst

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Electrical fast transient(EFT)generator	3CTEST	EFT-4021	EC0461044	2024/04/13
2	Coupling Clamp	3CTEST	EFTC	EC0441098	2024/04/13

3.10.Surge

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Surge test system	3CTEST	SG5006G	EC5581070	2024/04/13
2	Coupling/decoupling network	3CTEST	SGN-5010G	CS5591033	2024/04/13

3.11.Conducted Susceptibility

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Simulator	EMTEST	CIT-10	A126A1195	2024/04/13
2	CDN	EMTEST	CDN-M2	A2210177	2024/04/13
3	CDN	EMTEST	CDN-M3	A2210177	2024/04/13
4	Attenuator	EMTEST	ATT6	50FP-006-H3B	2024/04/13

3.12.Power Frequency Magnetic Field Susceptibility

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Power frequency mag-field generator System	EVERFINE	EMS61000-8K	906003	2024/04/13

3.13.Voltage Dips

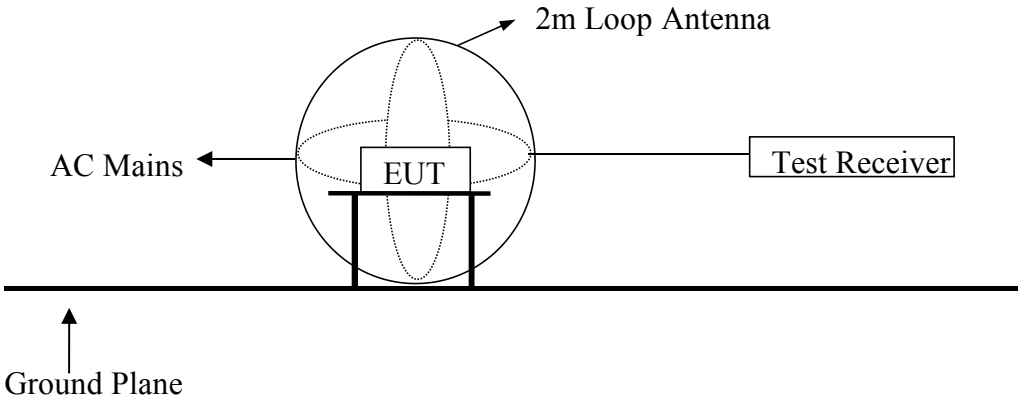
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Voltage dips and up generator	3CTEST	VDG-1105G	EC0171014	2024/04/13

3.14.Voltage Short Interruptions

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Voltage dips and up generator	3CTEST	VDG-1105G	EC0171014	2024/04/13

4. MAGNETIC FIELD EMISSION MEASUREMENT

4.1.Block Diagram of Test Setup



4.2.Magnetic Field Emission Measurement Standard and Limits

4.2.1.Test Standard

EN IEC 55015: 2019+A11: 2020

4.2.2.Test Limits

Frequency	Limits for loop diameter (dBμA)
	2m
9kHz ~ 70kHz	88
70kHz ~ 150kHz	88 ~ 58*
150kHz ~ 3.0MHz	58 ~ 22*
3.0MHz ~ 30MHz	22

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

4.3.EUT Configuration on Test

The configuration of the EUT is same as Section 3.3.

4.4.Operating Condition of EUT

4.4.1.Setup the EUT as shown in Section 4.1.
4.4.2.Turn on the power of all equipments.
4.4.3.Let the EUT work in test mode (On) and measure it.

4.5.Test Procedure

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

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

All the test results are listed in Section 4.6.

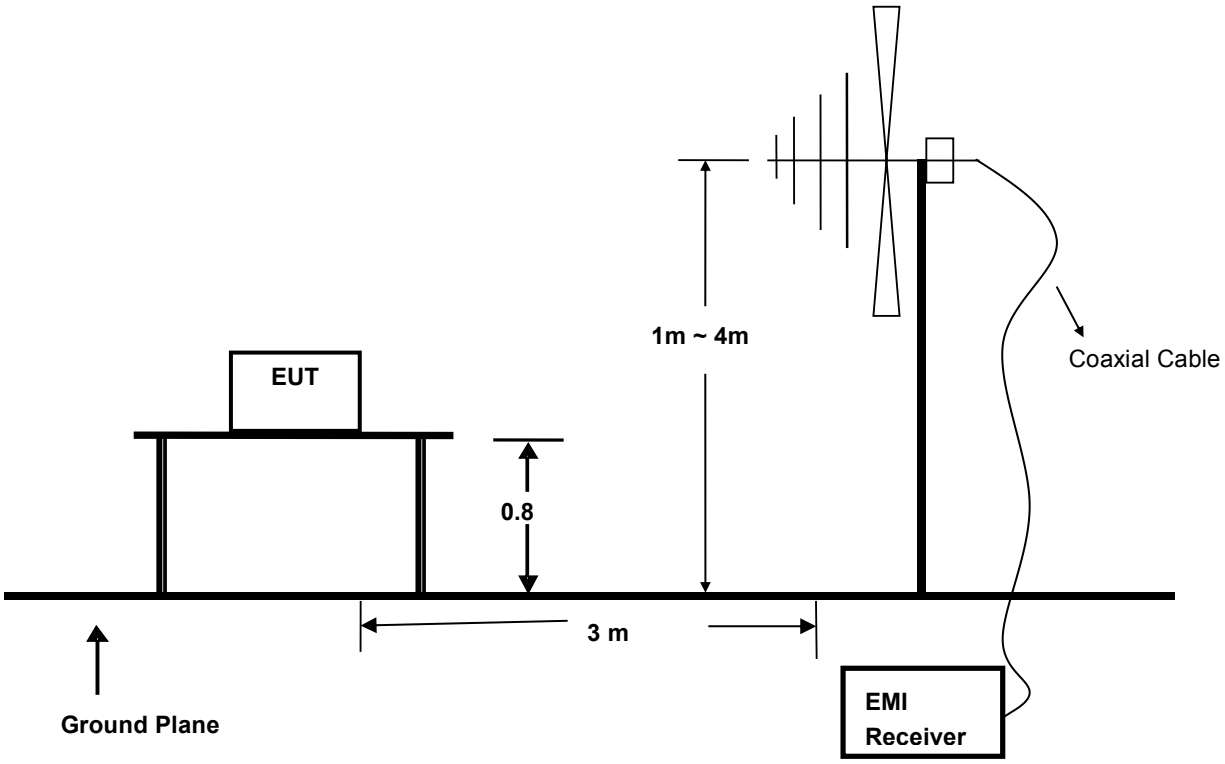
4.6.Test Results

PASS.

The frequency range from 9kHz to 30MHz is investigated.

5. RADIATED EMISSION MEASUREMENT

5.1.Block Diagram of Test Setup



5.2.Test Standard

EN IEC 55015: 2019+A11: 2020

5.3.Radiated Emission Limits

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMIT (dBμV/m)
30 ~ 230	3	40
230 ~ 300	3	47

Note: (1) The smaller limit shall apply at the combination point between two frequency bands.

(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT.

5.4.EUT Configuration on Test

The EN IEC 55015 regulations test method must be used to find the maximum emission during radiated emission measurement.

5.5.Operating Condition of EUT

5.5.1 Turn on the power.

5.5.2 After that, let the EUT work in test mode (ON) and measure it.

5.6.Test Procedure

The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 10 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna (calibrated by Dipole Antenna) is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The bandwidth of the Receiver is set at 120kHz.

The frequency range from 30MHz to 300MHz is investigated.

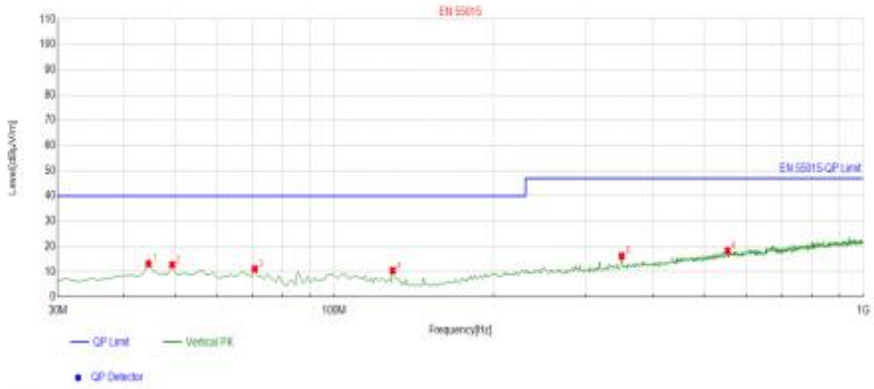
5.7.Test Results

PASS.

The test result please refer to the next page.

Model No.	900*900	**Test Mode**	ON
Environmental Conditions	24℃/ 56% RH	**Detector Function**	Quasi-peak
Pol	Vertical	**Distance**	3m
Test Engineer	Gao		

Test Graph

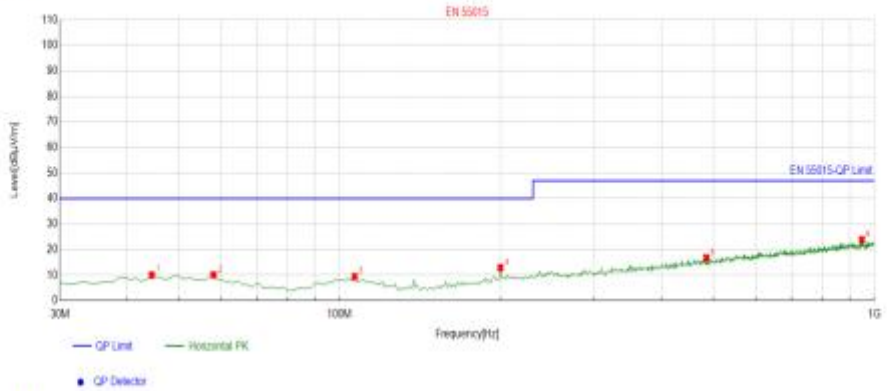


Suspected List

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.5646	-13.73	26.89	13.16	40.00	26.84	100	212	Vertical
2	49.4194	-13.65	26.41	12.76	40.00	27.24	100	344	Vertical
3	70.7808	-17.81	28.88	11.07	40.00	28.93	100	22	Vertical
4	129.0390	-18.43	28.95	10.52	40.00	29.48	100	54	Vertical
5	349.4494	-11.69	27.93	16.24	47.00	30.76	100	34	Vertical
6	554.3243	-6.84	25.09	18.25	47.00	28.75	100	10	Vertical

Model No.	900*900	**Test Mode**	ON
Environmental Conditions	24℃/ 56% RH	**Detector Function**	Quasi-peak
Pol	Horizontal	**Distance**	3m
Test Engineer	Gao		

Test Graph

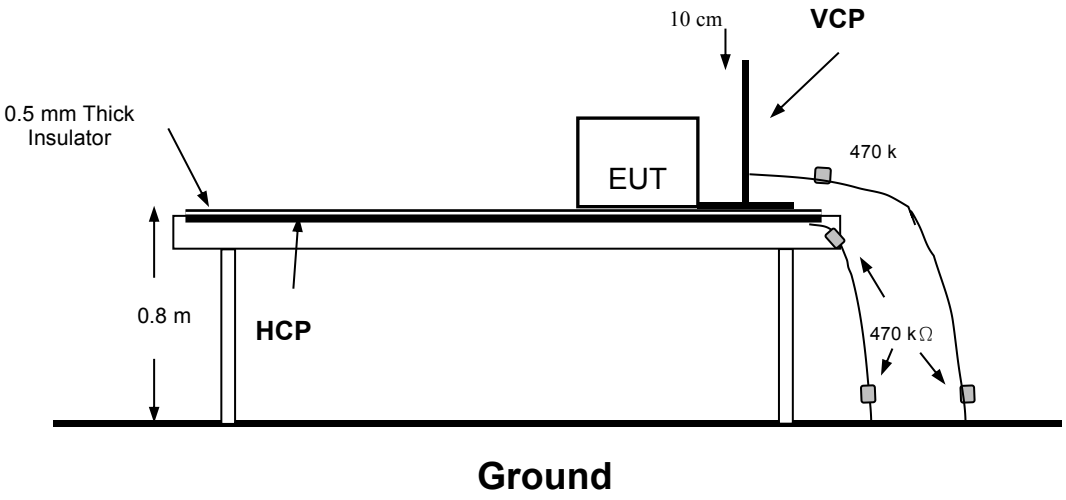


Suspected List

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.5646	-13.73	23.76	10.03	40.00	29.97	100	9	Horizontal
2	58.1582	-14.88	24.96	10.08	40.00	29.92	100	96	Horizontal
3	106.7067	-15.42	24.80	9.38	40.00	30.62	100	171	Horizontal
4	199.9199	-15.07	27.98	12.91	40.00	27.09	100	155	Horizontal
5	485.3854	-8.50	25.31	16.81	47.00	30.19	100	29	Horizontal
6	947.5676	-1.30	25.15	23.85	47.00	23.15	100	124	Horizontal

6. ELECTROSTATIC DISCHARGE TEST

6.1.Block Diagram of Test Setup



6.2.Test Standard

EN IEC 61547: 2023 (EN 61000-4-2: 2009, Severity Level: Air Discharge: Level 3, ±8KV Contact Discharge: Level 2, ±4KV)

6.3.Severity Levels and Performance Criterion

6.3.1.Severity level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
1.	±2	±2
2.	±4	±4
3.	±6	±8
4.	±8	±15
X	Special	Special

6.3.2.Performance criterion: **B**

6.4.EUT Configuration on Test

The configuration of EUT is listed in Section 3.7.

6.5.Operating Condition of EUT

6.5.1.Setup the EUT as shown in Section 6.1.

6.5.2.Turn on the power of all equipments.

6.5.3.Let the EUT work in test mode (ON) and measure it.

6.6.Test Procedure

6.6.1.Air Discharge

This test is done on a non-conductive surfaces. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT. After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed.

Because the case of the EUT is metal surface, so it does not need to be tested.

6.6.2.Contact Discharge

All the procedure shall be same as Section 6.6.1. except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

6.6.3.Indirect Discharge For Horizontal Coupling Plane

At least 20 single discharges shall be applied to the horizontal coupling plane, at points on each side of the EUT. The discharge electrode positions vertically at a distance of 0.1m from the EUT and with the discharge electrode touching the coupling plane.

6.6.4.Indirect Discharge For Vertical Coupling Plane

At least 20 single discharge shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

6.7.Test Results

PASS.

Please refer to the following page.

Electrostatic Discharger Test Results

Standard	☐ IEC 61000-4-2 ☑ EN 61000-4-2		
Applicant	SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD		
EUT	ILLUMINATED SIGNS	**Temperature**	26℃
M/N	900*900	**Humidity**	51％
Criterion	B	**Pressure**	1021mbar
Test Mode	ON	**Test Engineer**	Gao

Air Discharge

Test Points	Test Levels			Results		
	± 2KV	± 4KV	± 8KV	Pass	Fail	Performance Criterion
Front	☒	☒	☒	☒	☐	☐ A ☒ B
Back	☒	☒	☒	☒	☐	☐ A ☒ B
Left	☒	☒	☒	☒	☐	☐ A ☒ B
Right	☒	☒	☒	☒	☐	☐ A ☒ B
Top	☒	☒	☒	☒	☐	☐ A ☒ B
Bottom	☒	☒	☒	☒	☐	☐ A ☒ B

Contact Discharge

Test Points	Test Levels		Results		
	± 2 KV	±4 KV	Pass	Fail	Performance Criterion
Front	☒	☒	☒	☐	☐ A ☒ B
Back	☒	☒	☒	☐	☐ A ☒ B
Left	☒	☒	☒	☐	☐ A ☒ B
Right	☒	☒	☒	☐	☐ A ☒ B
Top	☒	☒	☒	☐	☐ A ☒ B
Bottom	☒	☒	☒	☐	☐ A ☒ B

Discharge To Horizontal Coupling Plane

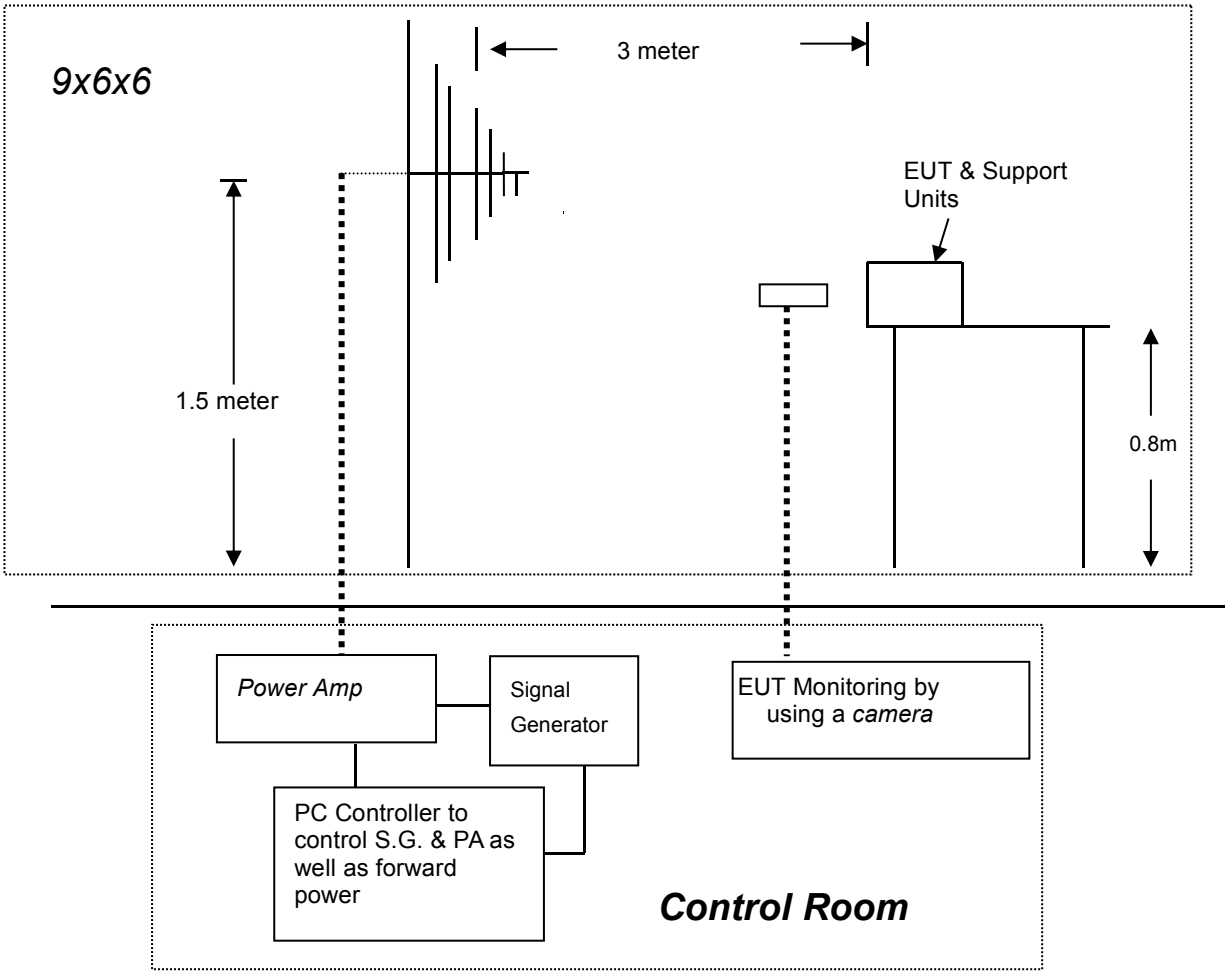
Side of EUT	Test Levels		Results		
	± 2 KV	± 4 KV	Pass	Fail	Performance Criterion
Front	☒	☒	☒	☐	☐ A ☒ B
Back	☒	☒	☒	☐	☐ A ☒ B
Left	☒	☒	☒	☐	☐ A ☒ B
Right	☒	☒	☒	☐	☐ A ☒ B

Discharge To Vertical Coupling Plane

Side of EUT	Test Levels		Results		
	± 2 KV	± 4 KV	Pass	Fail	Performance Criterion
Front	☒	☒	☒	☐	☐ A ☒ B
Back	☒	☒	☒	☐	☐ A ☒ B
Left	☒	☒	☒	☐	☐ A ☒ B
Right	☒	☒	☒	☐	☐ A ☒ B

7. RF FIELD STRENGTH SUSCEPTIBILITY TEST

7.1.Block Diagram of Test Setup



7.2.Test Standard

EN IEC 61547: 2023 (EN 61000-4-3: 2020, Severity Level: 2, 3V / m)

7.3.Severity Levels and Performance Criterion

7.3.1.Severity level

Level	Field Strength (V/m)
1	1
2	3
3	10
X	Special

7.3.2.Performance criterion: **A**

7.4.EUT Configuration on Test

The configuration of EUT are listed in Section 2.1.

7.5.Operating Condition of EUT

7.5.1.Setup the EUT as shown in Section 7.1.
7.5.2.Turn on the power of all equipments.
7.5.3.Let the EUT work in test mode (On) and measure it.

7.6.Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. EUT is set 3 meter away from the transmitting antenna which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna are set on test. Each of the four sides of EUT must be faced this transmitting antenna and measured individually. In order to judge the EUT performance, a CCD camera is used to monitor EUT screen. All the scanning conditions are as follows:

Condition of Test	Remarks
1. Fielded Strength	3 V/m (Severity Level 2)
2. Radiated Signal	Unmodulated
3. Scanning Frequency	80 - 1000 MHz
4. Dwell time of radiated	0.0015 decade/s
5. Waiting Time	3 Sec.

7.7.Test Results

PASS.

Please refer to the following page.

RF Field Strength Susceptibility Test Results

Standard	☐ IEC 61000-4-3 ☑ EN 61000-4-3		
Applicant	SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD		
EUT	ILLUMINATED SIGNS	**Temperature**	26℃
M/N	900*900	**Humidity**	51%
Field Strength	3 V/m	**Criterion**	A
Test Mode	ON	**Test Engineer**	Gao
Frequency Range	80 MHz to 1000 MHz		
Modulation	☐None ☐ Pulse ☑AM 1KHz 80%		
Steps	1%		

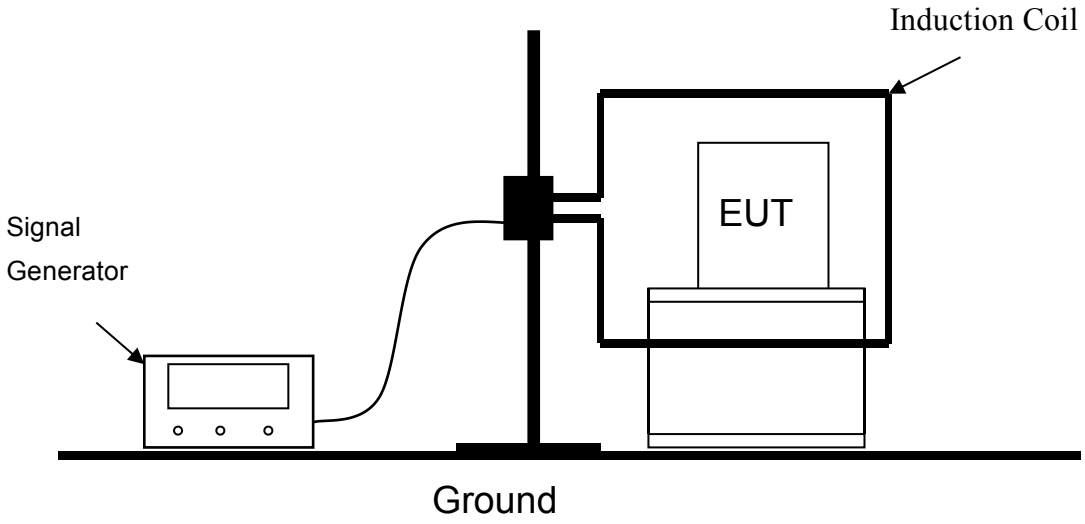
	Horizontal	**Vertical**
Front	PASS	PASS
Right	PASS	PASS
Rear	PASS	PASS
Left	PASS	PASS

Test Equipment:
1. Signal Generator: 2031 (MARCONI)
2. Power Amplifier: 500A100 & 100W/1000M1 (A&R)
3. Power Antenna: 3108 (EMCO) & AT1080 (A&R)
4. Field Monitor: FM2000 (A&R)

Note:

8. MAGNETIC FIELD IMMUNITY TEST

8.1.Block Diagram of Test Setup



8.2.Test Standard

EN IEC 61547: 2023 (EN 61000-4-8: 2010, Severity Level 2: 3A/m)

8.3.Severity Levels and Performance Criterion

8.3.1.Severity level

Level	Magnetic Field Strength (A/m)
1.	1
2.	3
3.	10
4.	30
5.	100
X	Special

8.3.2.Performance criterion: **A**

8.4.EUT Configuration on Test

The configuration of EUT are listed in Section 3.12.

8.5.Operating Condition of EUT

8.5.1.Setup the EUT as shown in Section 8.1.
8.5.2.Turn on the power of all equipments.
8.5.3.Let the EUT work in test mode (On) and measure it.

8.6.Test Procedure

8.6.1.Set up the EUT system as shown on Section 8.1.

8.6.2.The Induction coil is set up in horizontal or vertical.

8.6.3.Let the EUT work in test mode and measure it.

8.7.Test Results

PASS.

Please refer to the following page.

Magnetic Field Immunity Test Result

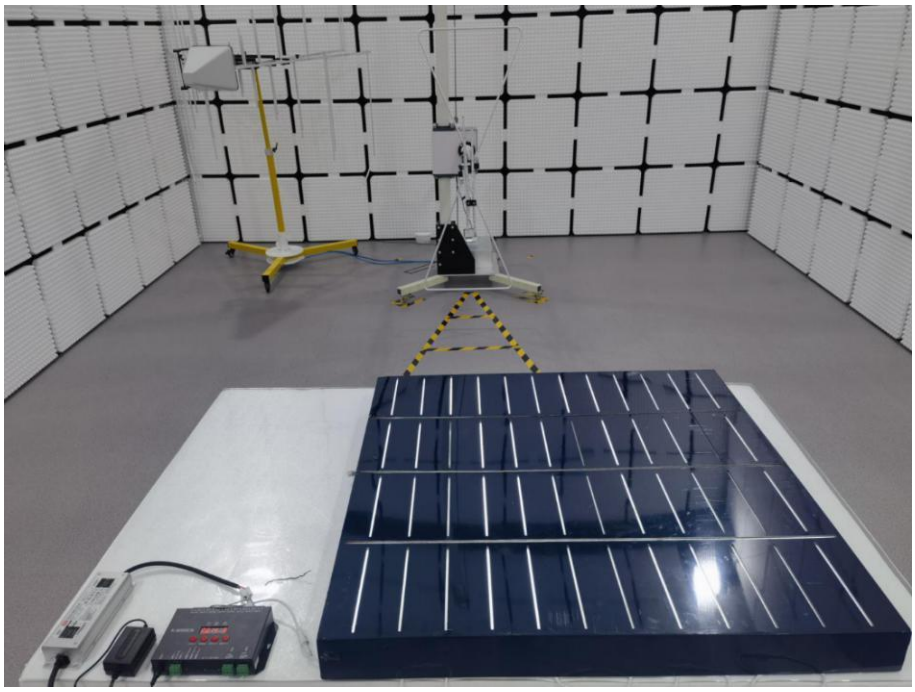
Standard	☐ IEC 61000-4-8 ☑ EN 61000-4-8		
Applicant	SHANGHAI SUMMIT INTERNATIONAL TRADING CO.,LTD		
EUT	ILLUMINATED SIGNS	**Temperature**	26℃
M/N	900*900	**Humidity**	51%
Test Mode	ON	**Criterion**	A
Test Engineer	Gao		

Test Level (A/M)	Testing Duration	Coil Orientation	Criterion	Result
3	5 mins	X	A	PASS
3	5 mins	Y	A	PASS
3	5 mins	Z	A	PASS

Note:

9. PHOTOGRAPH

9.1.Photo of Radiated Measurement



9. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

900*900 PHOTOS

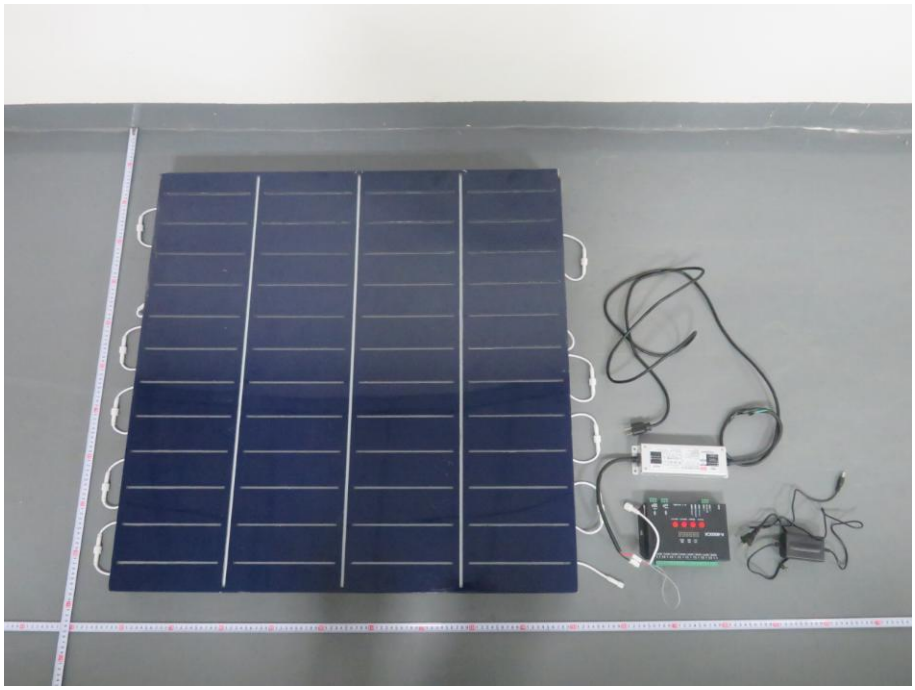


Fig. 1

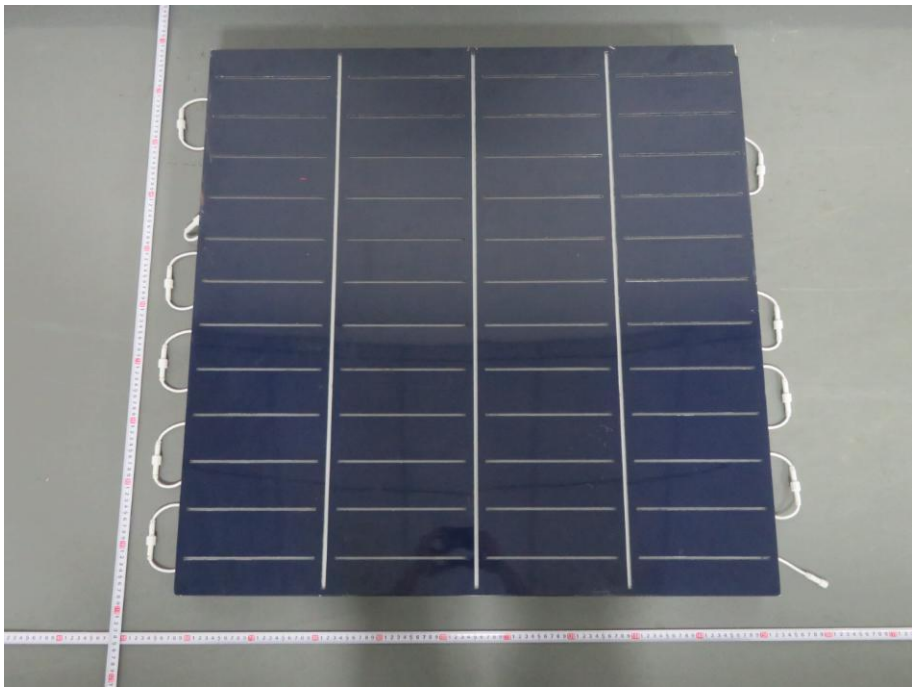


Fig.2

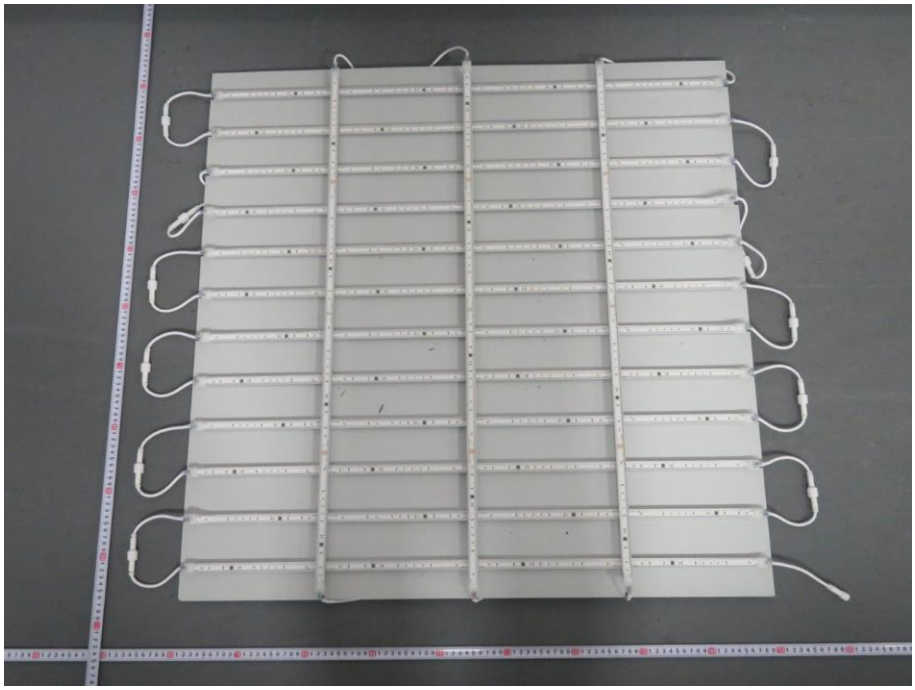


Fig.3

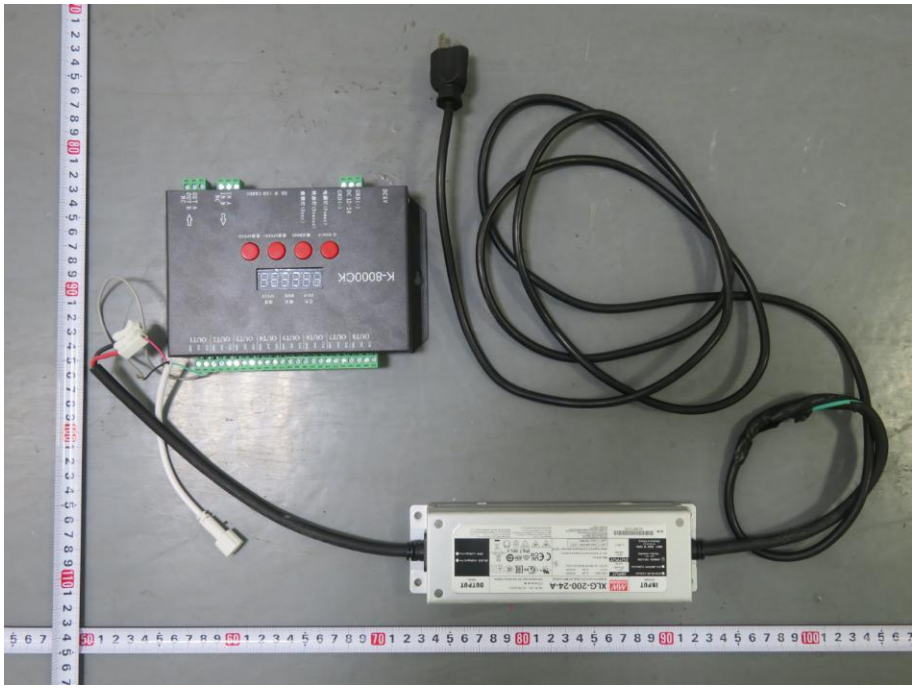


Fig.4

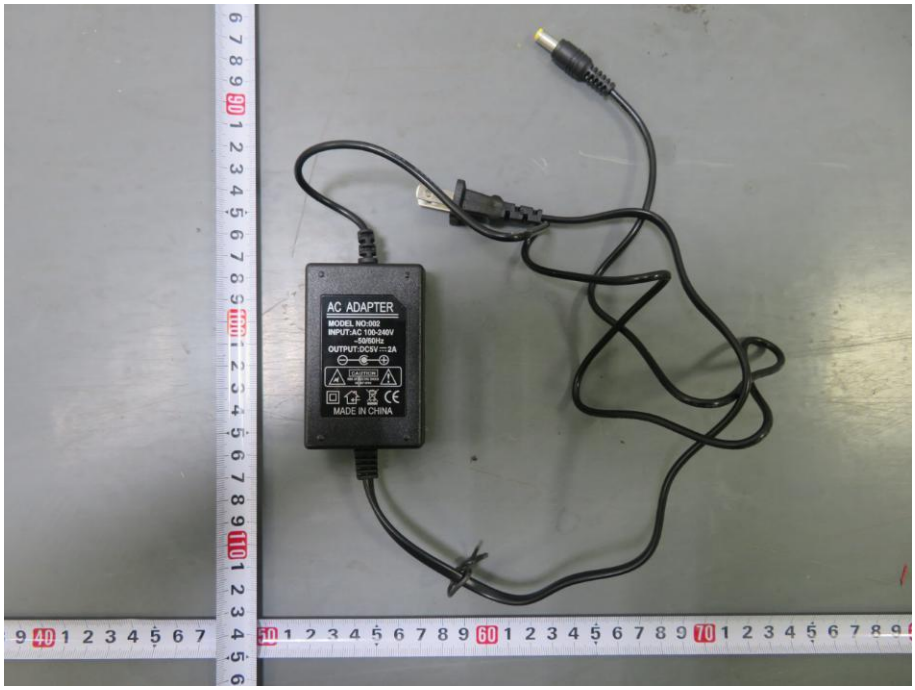


Fig.5

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