

TEST REPORT

Applicant& Manufacturer: Innovative Eyewear, Inc.
Address: 11900 Biscayne Bl, Suite 630, North Miami FL 33181
Report Number: 2604T13671E-EM-01

Test Standard (s)

EN 55032:2015+A1:2020, EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A2:2024, EN 61000-3-3:2013+A2:2021+AC:2022-01

Sample Description

Product Name: Aero Bluetooth Glasses
Model No.: LCD012-40, LCD012-10, LCD012-11, LCD012-13, LCD012-14,
LCD012-16, LCD012-17, LCD012-20, LCD012-30, LCD012-50
Trade Mark: 
Date Received: 2026-05-12
Report Date: 2026-09-22

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

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Note: The information marked “#” is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604T13671E-EM-01	Original Report	2026-09-22

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	Aero Bluetooth Glasses
Tested Model	LCD012-40
Multiple Model	LCD012-10, LCD012-11, LCD012-13, LCD012-14, LCD012-16, LCD012-17, LCD012-20, LCD012-30, LCD012-50
Model Difference [#]	Only difference is frame designs. Please refer to DOS letter for more detail. The applicant provided model "LCD012-40" for testing.
Highest Operating Frequency	The EUT's highest operating frequency is <u>2480</u> MHz [#] , the radiated emission measurement shall be made up to <u>6</u> GHz.
Equipment Class	CLASS B
Voltage Range [#]	DC 5.0V from charging port or DC 3.8V from battery
Sample Serial Number	3LU8-1 (EMI&EMS) (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Note: The device comes with an USB cable(0.8 m).	

Objective

This test report is in accordance with the test standards as below:

- EN 55032:2015+A1:2020: Electromagnetic compatibility of multimedia equipment-Emission Requirements.
- EN 55035:2017+A11:2020: Electromagnetic compatibility of multimedia equipment-Immunity Requirements.
- EN IEC 61000-3-2:2019+A2:2024: Limits for harmonic current emissions (equipment input current ≤16 A per phase).
- EN 61000-3-3:2013+A2:2021+AC:2022-01: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

The objective is to determine the compliance of EUT with as below:

EN 55032:2015+A1:2020, EN 55035:2017+A11:2020,

EN IEC 61000-3-2:2019+A2:2024, EN 61000-3-3:2013+A2:2021+AC:2022-01

Test Methodology

All measurements contained in this report were conducted with the EN 55032:2015+A1:2020, EN 55035:2017+A11:2020, EN IEC 61000-3-2:2019+A2:2024 and EN 61000-3-3:2013+A2:2021+AC:2022-01. And their corresponding referenced standards.

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Performance criterion

Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer 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 derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion B

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test. After the test, 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 manufacturer, 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), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

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 manufacturer's instructions. A reboot or re-start operation is allowed.

Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of test at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown as below. And the uncertainty will be taken into consideration for the test data recorded in the report

Item		Expanded Measurement uncertainty
Conducted Disturbance	150kHz-30MHz	2.7 dB ($k=2$, 95% level of confidence)
Radiated Disturbance	30MHz-1GHz	4.3 dB ($k=2$, 95% level of confidence)
	1GHz-18GHz	4.9 dB ($k=2$, 95% level of confidence)
Harmonic Current		3.1 % ($k=2$, 95% level of confidence)

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in normal mode.

Test Mode 1: Charging

Test Voltage: AC 230V 50Hz

EUT Exercise Software

No exercise software was used.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Infinix	Adapter	U450XEC Input:100-240V~50/60Hz,1.8A Output:5V $\Rightarrow$ 3.0A 15.0W or 5V-10.0V $\Rightarrow$ 4.5A 45.0W MAX or 11.0V $\Rightarrow$ 4.1A 45.0W	Unknown

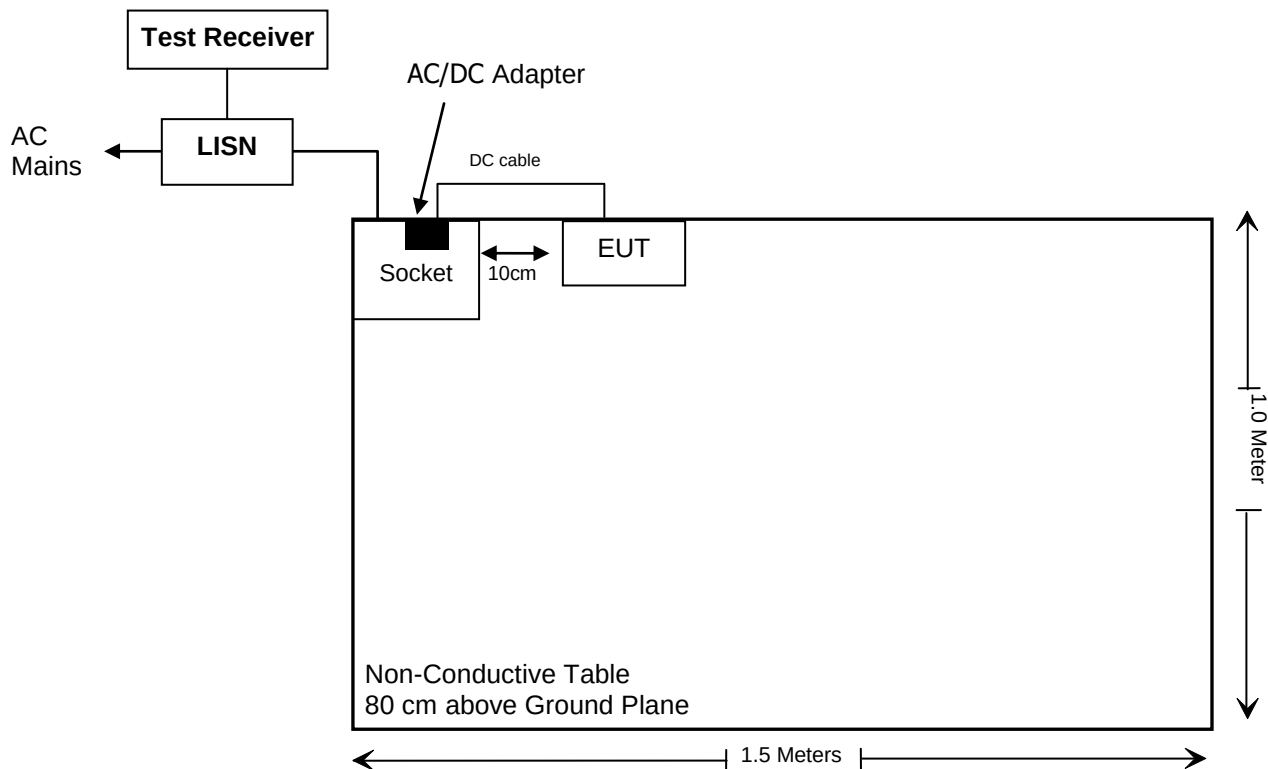
External I/O Cable

Cable Description	Length (m)	From Port	To
Unshielded Detachable DC Cable	0.8	Adapter	EUT

Block Diagram of Test Setup

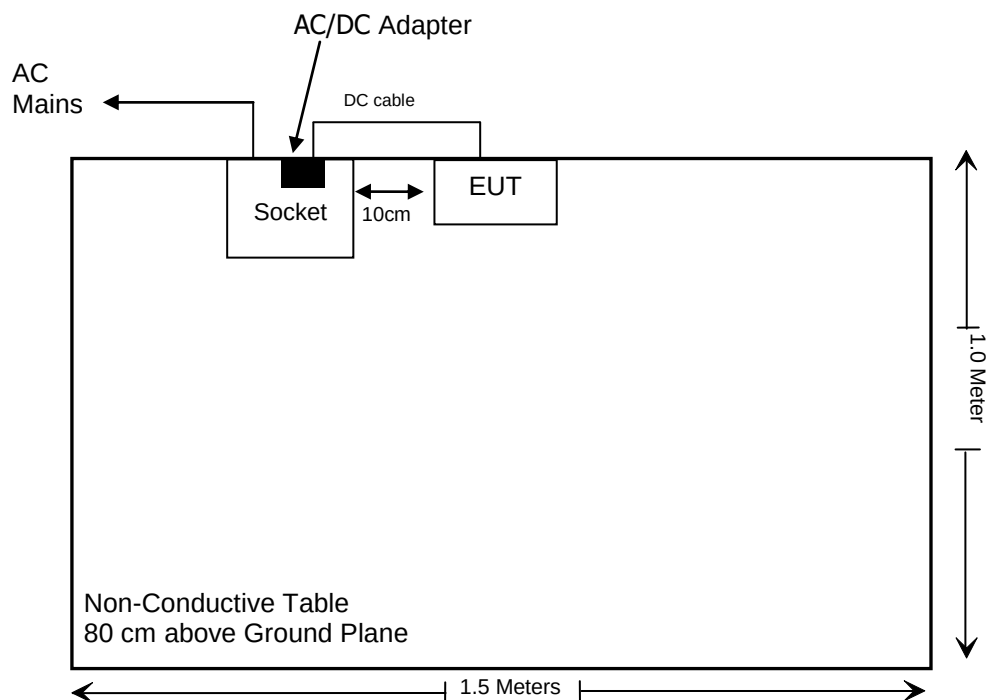
For Conducted Emission:

Test Mode 1



For Radiated Emission:

Test Mode 1



SUMMARY OF TEST REPORT

EN 55032

Rule	Description	Results
§A.3	Conducted Disturbance at Mains Terminals	Compliance
§A.2	Radiated Disturbance	Compliance

EN 55035

Rule	Description	Results
§4.2.1	Electrostatic Discharge IEC 61000-4-2	Compliance
§4.2.2.2	Continuous Radiated Immunity IEC 61000-4-3	Compliance
§4.2.2.3	Continuous Conducted Immunity IEC 61000-4-6	Compliance
§4.2.3	Power Frequency Magnetic Fields IEC 61000-4-8	Compliance
§4.2.4	Electrical Fast Transients IEC 61000-4-4	Compliance
§4.2.5	Surges IEC 61000-4-5	Compliance
§4.2.6	Voltage Dips And Interruptions, IEC 61000-4-11	Compliance
§4.2.7	Broadband impulsive conducted disturbances	Not Applicable

EN IEC 61000-3-2

Rule	Description	Results
§7	Harmonic Current Emissions	Compliance

EN 61000-3-3

Rule	Description	Results
§5	Voltage Fluctuation and Flicker	Compliance

Note: Not Applicable- this item is only applicable to CPE x DSL ports.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Disturbance					
Rohde& Schwarz	EMI Test Receiver	ESCI	100784	2025/09/17	2026/09/16
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2025/09/17	2026/09/16
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2025/09/18	2026/09/17
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	100312	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.17	N0350	2025/09/19	2026/09/18
Test Software: e3 191218 (V9)					
Radiated Disturbance (Below 1GHz)					
Rohde& Schwarz	Test Receiver	ESR	102725	2025/09/18	2026/09/17
SONOMA INSTRUMENT	Amplifier	310N	186131	2026/01/20	2027/01/19
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2024/08/08	2027/08/07
Unknown	RF Coaxial Cable	No.12	N040	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.13	N300	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.14	N800	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					
Radiated Disturbance (Above 1GHz)					
Rohde&Schwarz	Spectrum Analyzer	FSV40	101949	2025/09/17	2026/09/16
Decentest	Filter Switch Unit	DT7220FSU	DQ77927	2025/09/18	2026/09/17
Decentest	Multiplex Switch Test Control Set	DT7220CSU	DQ77924	2025/09/18	2026/09/17
A.H. Systems, inc.	Preamplifier	PAM-0118	226	2026/01/20	2027/01/19
Schwarzbeck	Horn Antenna	BBHA9120D	837	2026/01/29	2029/01/30
Unknown	RF Coaxial Cable	No.10	N050	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.11	N1000	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.19	N500	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					
Harmonic/Flicker					
California Instruments	5KVA AC POWER SOURCE	5001iX-400	55692	2025/09/18	2026/09/17
California Instruments	HARMONICS/FLICKE RTEST ANALYZER	PACS-1	72254	2025/09/18	2026/09/17
Test Software: CTS4 Version 4.28.0					

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ESD					
TESEQ	ESD Generator	NSG 437	823	2025/09/17	2026/09/16
CS					
FRANKONIA	Conducted Immunity Test System	CIT-10	126B1121	2025/09/18	2026/09/17
FRANKONIA	CDN	CDN-M2/3	A3027020	2023/12/04	2026/12/03
Weinschel	6dB Attenuator	WA59-6-33	A329	/	/
Test Software: HUBERT Version 4.28.0					
EFT/SURGE/DIPS					
EM TEST	ULTRA COMPACT SIMULATOR	UCS 500 N5	V0928104968	2025/09/18	2026/09/17
Test Software: iec.controlVersion 6.0.1					
PFMF					
FAR EAST	Transformer	TDGC2J-5	456	/	/
HAEFELY	Magnetic Field Tester	MAG100	150577	2025/09/18	2026/09/17
RS					
Rohde & Schwarz	RF-Generator	SMB100A	108362	2025/09/17	2026/09/16
TESEQ	Power Amplifier(80 – 1000MHz)	CBA 1G-070	T44328	2025/09/17	2026/09/16
A&R	Linear Power Amplifier (1 – 6GHz)	AS0860-40/45	1060913	2025/09/17	2026/09/16
A&R	Trapezoidal Log Periodic Antenna	ATT700M12G	0357149	/	/
A&R	Log-Periodic Antenna	ATL80M1G	0356913	/	/
Agilent	Power Meter	E4419B	MY45100442	2025/09/17	2026/09/16
Keysight	Power Sensor	E9301A	MY55270006	2025/09/17	2026/09/16
Keysight	Power Sensor	E9301A	MY54280004	2025/09/18	2026/09/17
Test Software: IEC 61000-4-3&6Version V2.3					

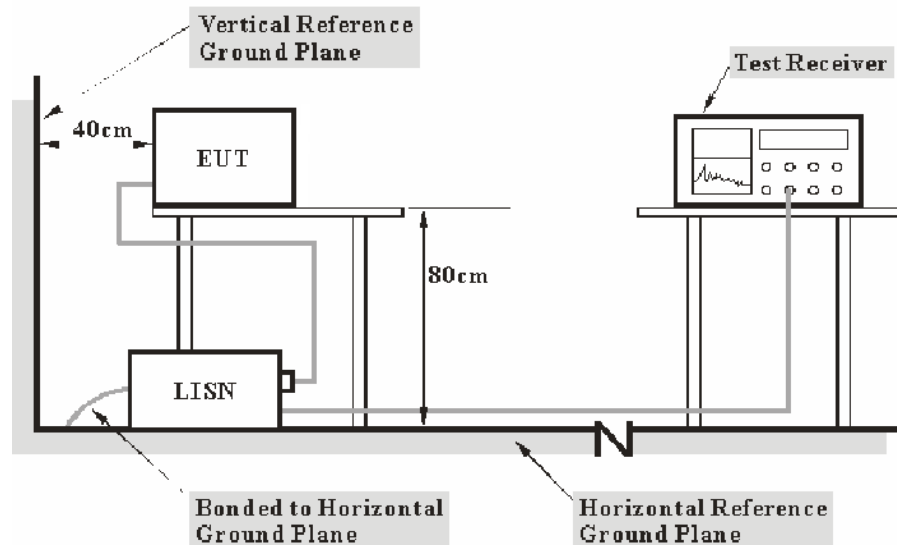
*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

EN 55032§A.3-CONDUCTED DISTURBANCE

Applicable Standard

EN 55032 §A.3.

Test System Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is in according with CISPR 16-1-1:2010+A1:2010+A2:2014, CISPR 16-2-1:2014. The related limit was specified in the EN 55032.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

Limits (EN 55032 CLASS B)

Frequency	Limit (dB μ V)	
	Quasi-peak Level	Average Level
150 kHz – 0.5 MHz	66 - 56*	56 - 46*
0.5 MHz – 5.0 MHz	56	46
5.0 MHz – 30.0 MHz	60	50

Remark: * means decreasing linearly with logarithm of frequency.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz - 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All final data was recorded in the Quasi-peak and average detection mode.

Calculation

The Factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Limiter Attenuation. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss} + 10\text{dB Attenuation(Limiter)}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, the over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Test Results Summary

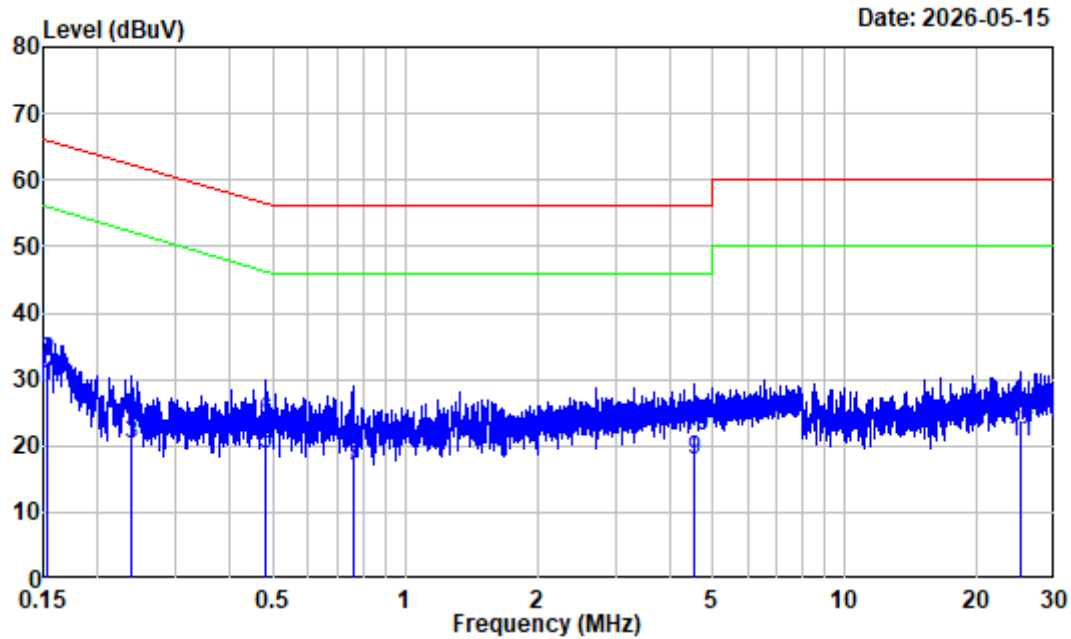
According to the recorded data in following plots, the EUT complied with the limit of EN 55032.

Test Data and Test Setup Photo

Environmental Conditions

Temperature:	24.3 °C
Relative Humidity:	49 %
ATM Pressure:	100.6 kPa
Test Engineer:	Homelander Dai
Test Date:	2026-05-15
EUT Operation Mode:	Test Mode 1
Investigated Frequency Range:	150 kHz to 30MHz

Test Result: Please refer to following data.

Test Mode 1**AC 230 V/ 50 Hz, Line:**

Site : Shielding Room

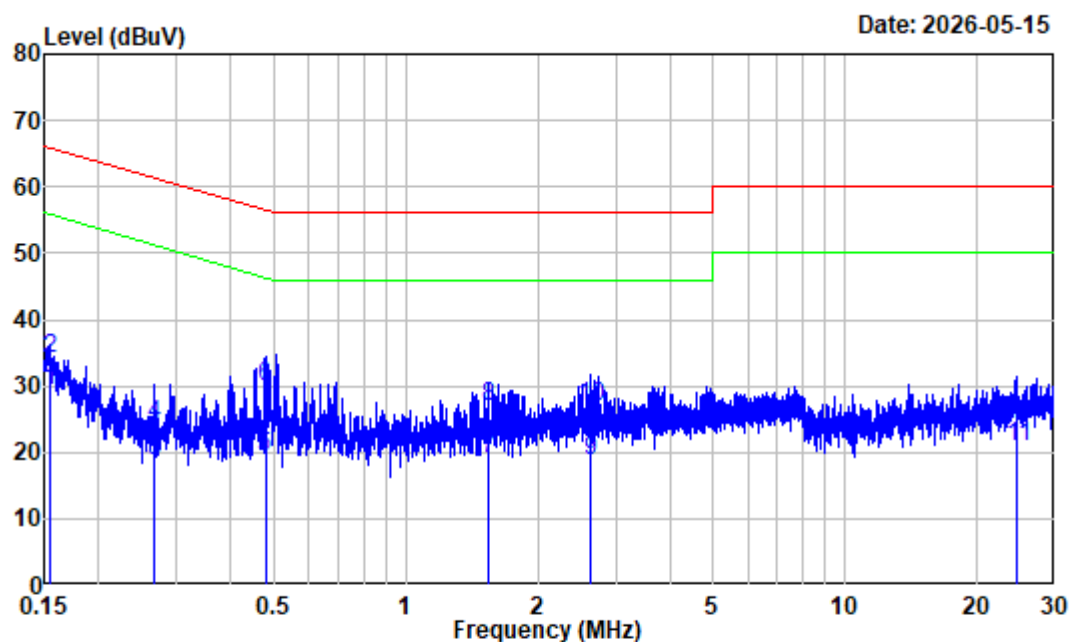
Condition: Line

Job No. : 2604T13671E-EM

Test Mode: Test mode 1

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.153	19.97	8.95	28.92	55.86	-26.94	Average
2	0.153	19.97	12.70	32.67	65.86	-33.19	QP
3	0.238	19.96	0.30	20.26	52.15	-31.89	Average
4	0.238	19.96	3.60	23.56	62.15	-38.59	QP
5	0.480	19.99	-1.39	18.60	46.35	-27.75	Average
6	0.480	19.99	3.65	23.64	56.35	-32.71	QP
7	0.759	20.17	-3.15	17.02	46.00	-28.98	Average
8	0.759	20.17	-1.41	18.76	56.00	-37.24	QP
9	4.555	21.61	-3.69	17.92	46.00	-28.08	Average
10	4.555	21.61	-0.28	21.33	56.00	-34.67	QP
11	24.988	24.46	-4.05	20.41	50.00	-29.59	Average
12	24.988	24.46	-0.55	23.91	60.00	-36.09	QP

AC 230 V/ 50 Hz, Neutral:



Site : Shielding Room
 Condition: Neutral
 Job No. : 2604T13671E-EM
 Test Mode: Test mode 1

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.154	19.86	9.33	29.19	55.76	-26.57	Average
2	0.154	19.86	14.16	34.02	65.76	-31.74	QP
3	0.267	19.96	-1.22	18.74	51.20	-32.46	Average
4	0.267	19.96	4.12	24.08	61.20	-37.12	QP
5	0.478	20.02	-0.76	19.26	46.37	-27.11	Average
6	0.478	20.02	9.86	29.88	56.37	-26.49	QP
7	1.544	20.74	-1.82	18.92	46.00	-27.08	Average
8	1.544	20.74	6.12	26.86	56.00	-29.14	QP
9	2.636	21.10	-2.43	18.67	46.00	-27.33	Average
10	2.636	21.10	5.84	26.94	56.00	-29.06	QP
11	24.627	24.52	-3.84	20.68	50.00	-29.32	Average
12	24.627	24.52	-0.33	24.19	60.00	-35.81	QP

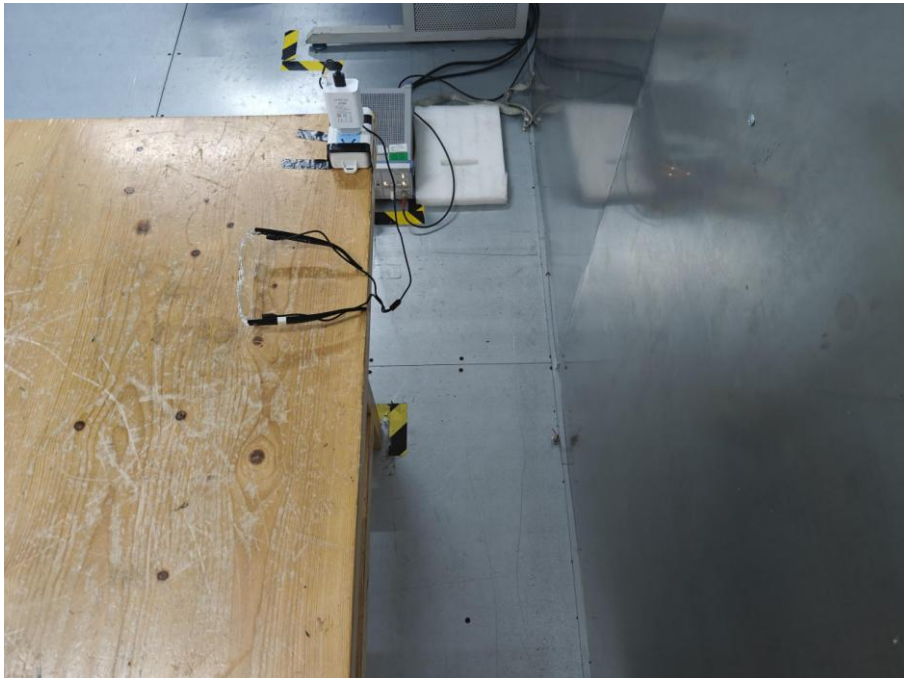
Test Setup Photo

Test Mode 1

Photo of Power Line Conducted Emission Measurement-Front Side



Photo of Power Line Conducted Emission Measurement-Rear Side



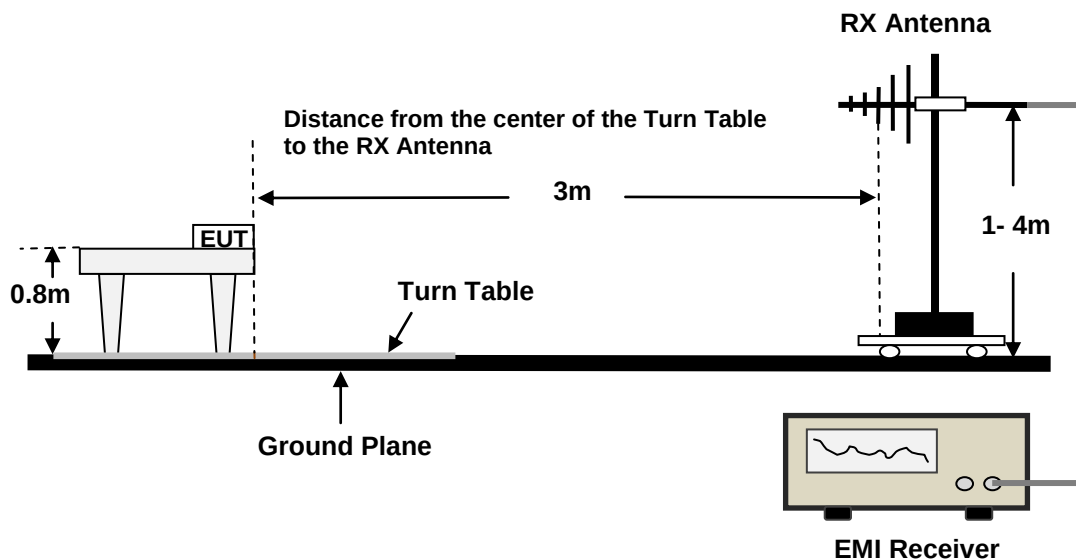
EN 55032§A.2-RADIATED DISTURBANCE

Applicable Standard

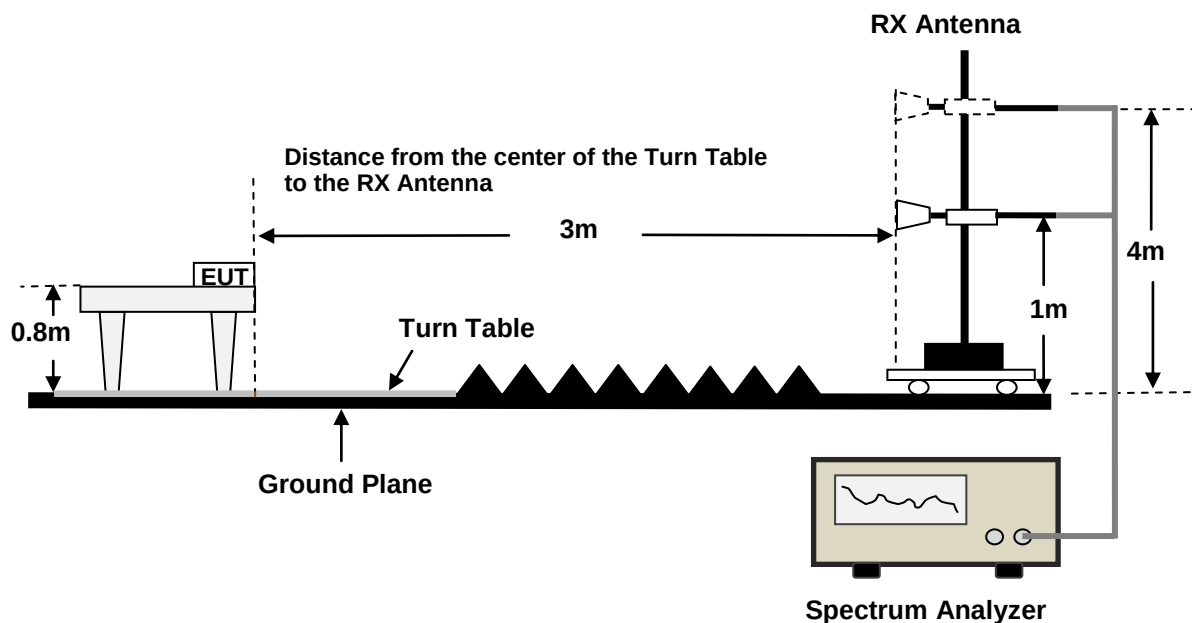
EN 55032 §A.2.

Test System Setup

Below 1 GHz:



Above 1 GHz:



Boundary of the EUT, local AE and associated cabling and measurement distance for radiated emissions measurements:

The central point of the arrangement shall be positioned at the centre of the turntable. The measurement distance is the shortest horizontal distance between an imaginary circular periphery just encompassing this arrangement and the calibration point of the antenna. See as below Figure C.1 and C.2.

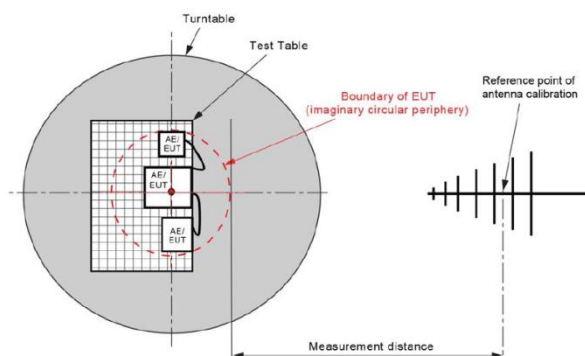


Figure C.1 – Measurement distance

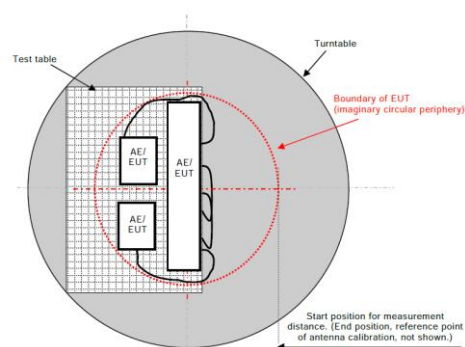


Figure C.2 – Boundary of EUT, Local AE and associated cabling

The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the CISPR16-1-4:2010+A1:2012, CISPR 16-2-3:2010+A1:2010+A2:2014. The limit was specified in EN 55032.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

Limits (EN 55032 CLASS B)

Frequency (MHz)	Field Strengths Limit [dB(μV/m)]	
	3m	
30 ~ 230	40	
230 ~ 1000	47	

Frequency	Field Strengths Limit [dB(μV/m)]	
	3m	
	Average	Peak
Above 1GHz	54	74

EMI Test Receiver & Spectrum Analyzer Setup

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	Measurement	RBW	Video B/W	IF B/W
30 MHz - 1000 MHz	PK	100 kHz	300 kHz	/
	QP	/	/	120kHz
Above 1GHz	PK	1 MHz	3 MHz	/
	AV	1 MHz	10 Hz	/

Note 1: Other emissions which were more than 20dB below to the limit or on noise floor level was not recorded.

Note 2: For below 1GHz testing, if the maximized peak measured value below the limit more than 6dB, then it is unnecessary to perform QP measurement.

Note 3: For above 1GHz testing, the test result of peak was 20dB below to the limit of peak, which can be compliant to the average limit, so just peak value was recorded.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\text{Over Limit} = \text{Level} - \text{Limit.}$$

$$\text{Level} = \text{Read Level} + \text{Factor}$$

Test Results Summary

According to the recorded data in following plots, the EUT complied with the limit of EN 55032.

Test Data and Test Setup Photo

Environmental Conditions

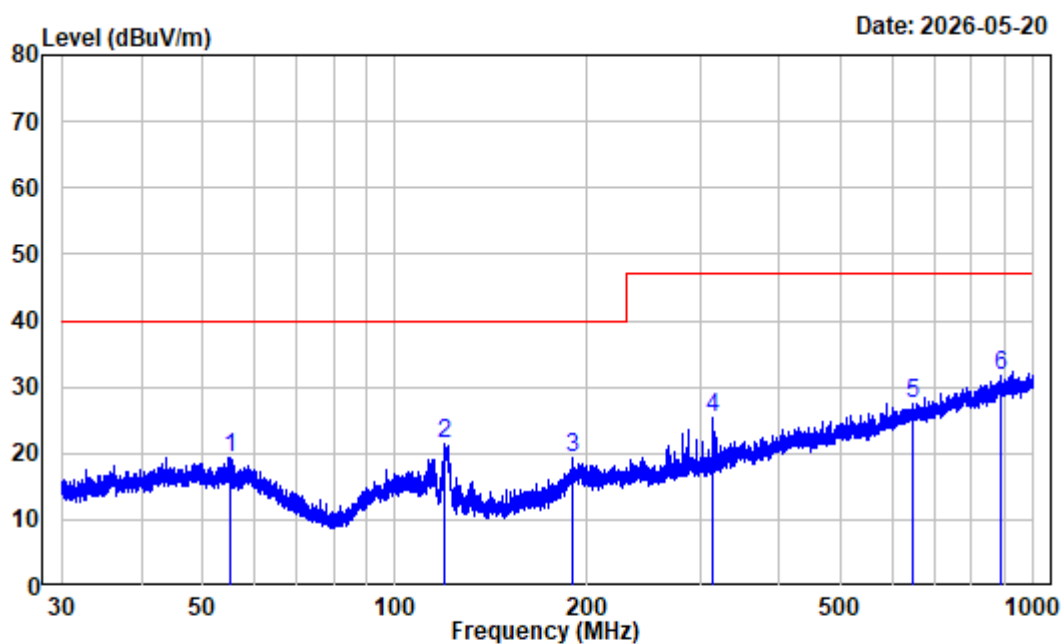
Temperature:	23.7 °C	24.5 °C
Relative Humidity:	49 %	53 %
ATM Pressure:	100.6 kPa	100.6 kPa
Test Engineer:	Jayden Luo	Max Tao
Test Date:	2026-05-20	2026-05-19
EUT Operation Mode:	Test Mode 1	Test Mode 1
Investigated Frequency Range:	Below 1GHz	Above 1GHz

Test Result: Please refer to the following data.

Test Mode 1

Below 1GHz

Horizontal



Site : chamber

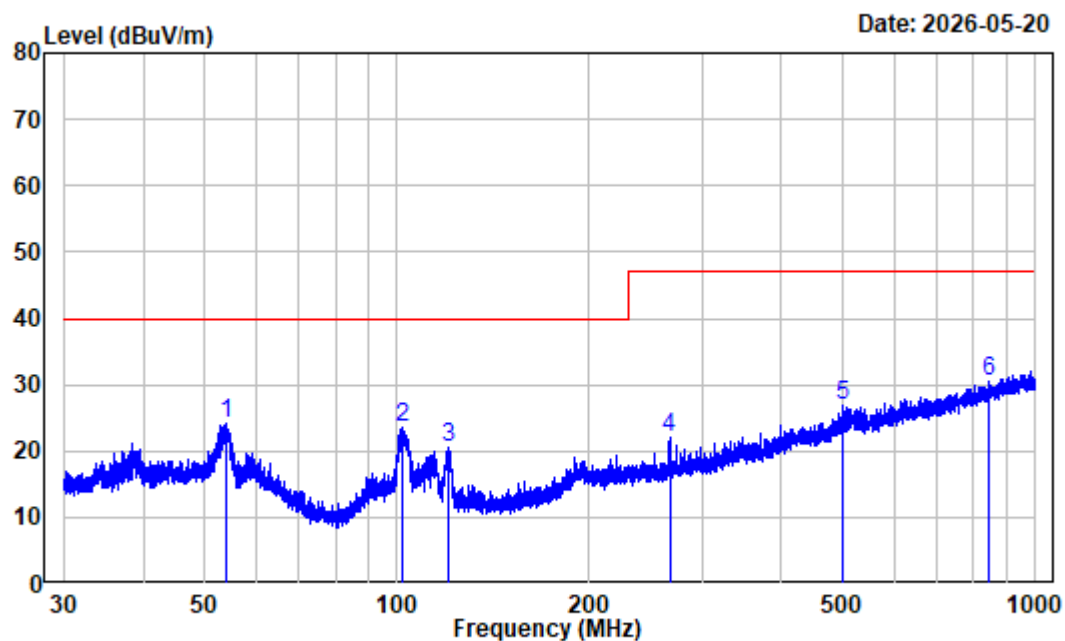
Condition: 3m HORIZONTAL

Job No. : 2604T13671E-EM

Test Mode: Test Mode 1

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	55.076	-10.69	30.02	19.33	40.00	-20.67	Peak
2	119.751	-13.27	34.82	21.55	40.00	-18.45	Peak
3	189.655	-10.41	29.59	19.18	40.00	-20.82	Peak
4	314.928	-8.59	34.08	25.49	47.00	-21.51	Peak
5	648.522	-1.30	28.81	27.51	47.00	-19.49	Peak
6	887.221	1.60	30.16	31.76	47.00	-15.24	Peak

Vertical

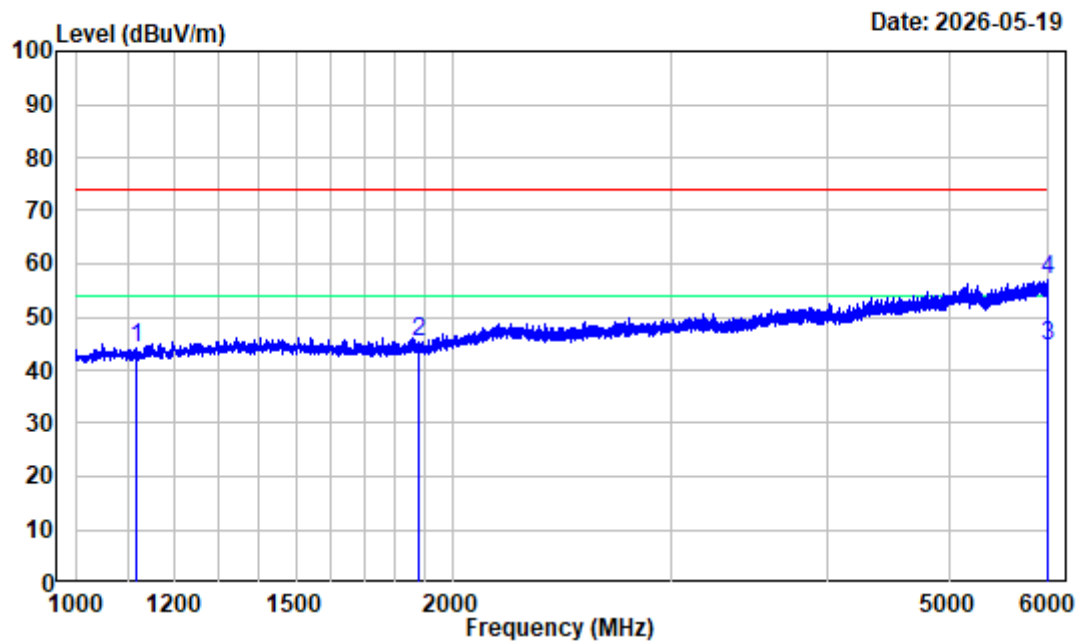


Site : chamber
 Condition: 3m VERTICAL
 Job No. : 2604T13671E-EM
 Test Mode: Test Mode 1

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	54.000	-10.42	34.42	24.00	40.00	-16.00	Peak
2	101.912	-11.23	34.68	23.45	40.00	-16.55	Peak
3	120.013	-13.34	33.96	20.62	40.00	-19.38	Peak
4	267.194	-9.81	31.83	22.02	47.00	-24.98	Peak
5	498.113	-3.83	30.66	26.83	47.00	-20.17	Peak
6	844.718	0.99	29.49	30.48	47.00	-16.52	Peak

Above 1GHz

Horizontal



Site : chamber

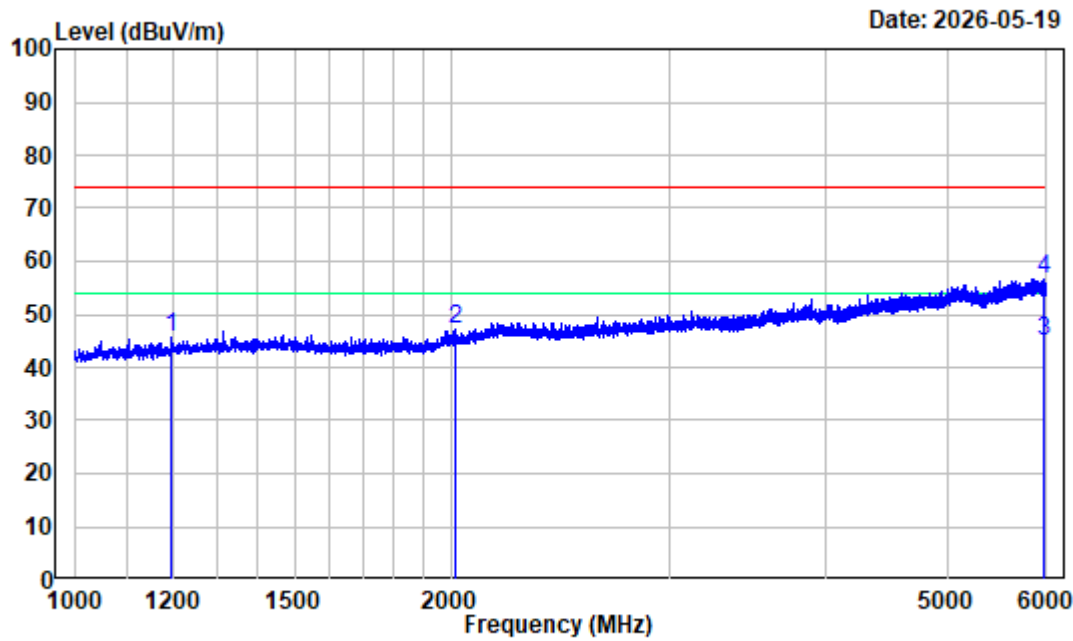
Condition: 3m HORIZONTAL

Job No. : 2604T13671E-EM

Test Mode: Test Mode 1

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1116.875	-13.94	58.06	44.12	74.00	-29.88	Peak
2	1881.250	-12.86	58.29	45.43	74.00	-28.57	Peak
3	5997.500	-5.48	50.15	44.67	54.00	-9.33	Average
4	5997.500	-5.48	62.37	56.89	74.00	-17.11	Peak

Vertical



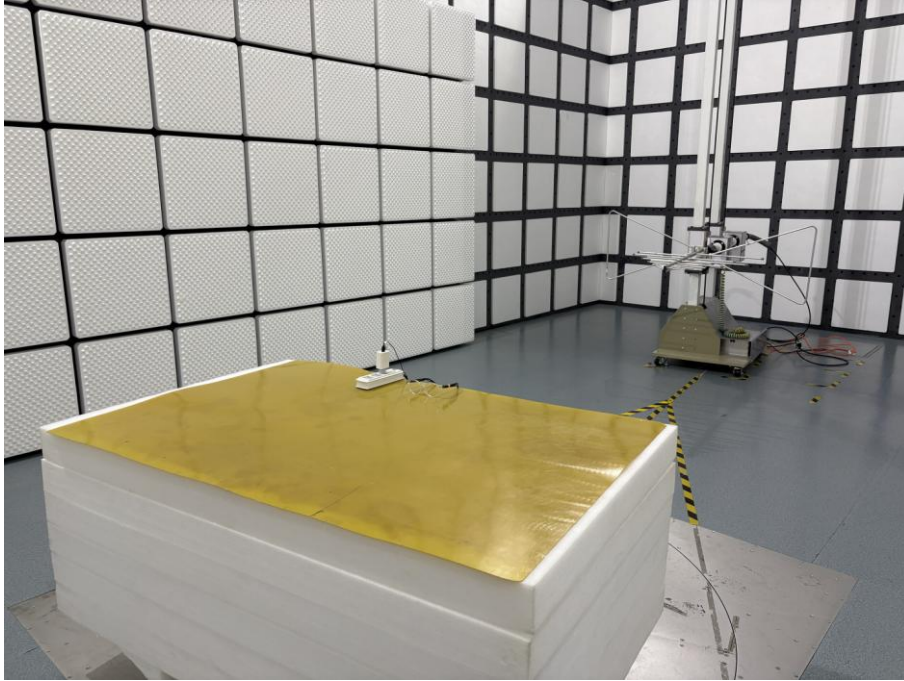
Site : chamber
Condition: 3m VERTICAL
Job No. : 2604T13671E-EM
Test Mode: Test Mode 1

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1196.875	-13.57	59.33	45.76	74.00	-28.24	Peak
2	2020.625	-11.89	59.05	47.16	74.00	-26.84	Peak
3	5966.875	-5.56	50.52	44.96	54.00	-9.04	Average
4	5966.875	-5.56	62.20	56.64	74.00	-17.36	Peak

Test Setup Photo

Test Mode 1

Radiated Emission Test (Below 1GHz)

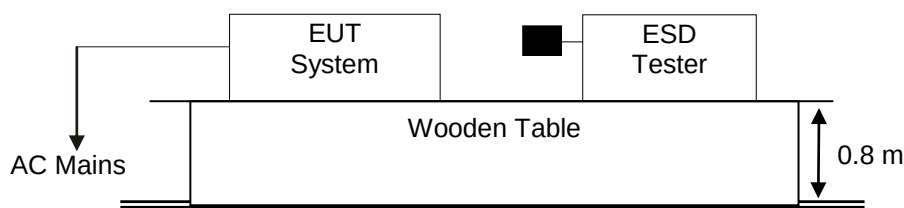


Radiated Emission Test (Above 1GHz)



EN 55035§4.2.1-ELECTROSTATIC DISCHARGES

Test System Setup



Remark: ■ is the tip of the electrode

IEC 61000-4-2 specifies that a tabletop EUT shall be placed on a non-conducting table which is 80 centimeters above a ground reference plane and that floor mounted equipment shall be placed on an insulating support approximately 10 centimeters above a ground plane. During the tests, the EUT is positioned over a ground reference plane in conformance with this requirement.

For tabletop equipment, a 1.6 by 0.8-meter metal sheet (HCP) is placed on the table and connected to the ground plane via a metal strap with two 470 k Ohms resistors in series. The EUT and attached cables are isolated from this metal sheet by 0.5-millimeter thick insulating material. A Vertical Coupling Plane (VCP) grounded on the ground plane through the same configuration as in the HCP is used.

Test Standard

EN 55035:2017+A11:2020, IEC 61000-4-2:2008

Test Level

Level	Test Voltage Contact Discharge (±kV)	Test Voltage Air Discharge (±kV)	Performance Criterion
1	2	2	B
2	4	4	
3	6	8	
4	8	15	
X	Special	Special	
Note: X can be any level, above, below or in between the others. This level shall be specified in the dedicated equipment specification. If higher voltages than those shown are specified, special test equipment may be needed.			

Test Procedure

Air Discharge:

This test is done on a non-conductive surface. 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.

Contact Discharge:

All the procedure shall be same as Section 8.3.1 of IEC 61000-4-2, except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

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 0.1 m from the EUT and with the discharge electrode touching the coupling plane.

Indirect discharge for vertical coupling plane

At least 20 single discharges shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m × 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.

Test Data and Test Setup Photo

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	51 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Table 1: Electrostatic Discharge Immunity (Contact Discharge)

EN 61000-4-2 Test Points Location	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
Charging contact	/	/	A	A	/	/	/	/
Screw	/	/	A	A	/	/	/	/

Table 2: Electrostatic Discharge Immunity (Air Discharge)

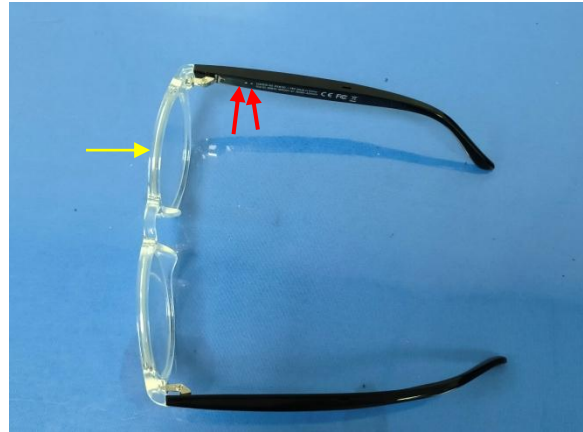
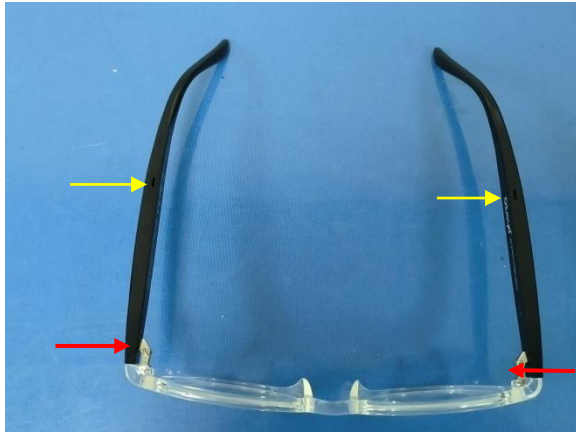
EN 61000-4-2 Test Points Location	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-8 kV	+8 kV	-15 kV	+15 kV
Gap	A	A	A	A	A	A	/	/
Loudspeaker	A	A	A	A	A	A	/	/
Plastic eyeglass frames	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2 Test Points Location	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
Front Side	/	/	A	A	/	/	/	/
Back Side	/	/	A	A	/	/	/	/
Left Side	/	/	A	A	/	/	/	/
Right Side	/	/	A	A	/	/	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2 Test Points Location	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
Front Side	/	/	A	A	/	/	/	/
Back Side	/	/	A	A	/	/	/	/
Left Side	/	/	A	A	/	/	/	/
Right Side	/	/	A	A	/	/	/	/



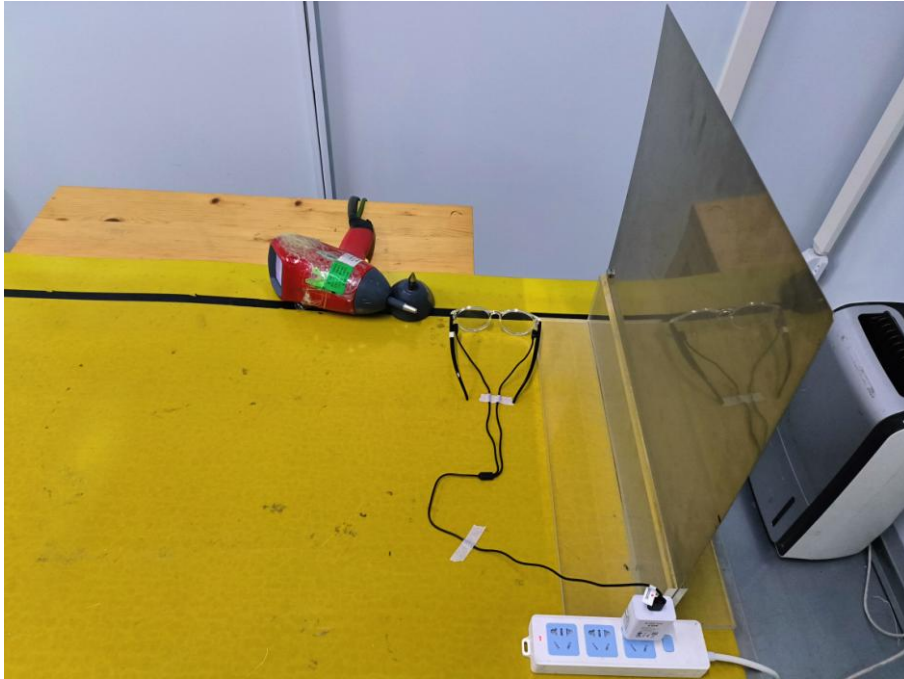
Note:

- represents Air Discharge
- represents Contact Discharge

Note: The list is only for photos of the location where the discharge can be made, the others not listed are without discharge points, or not the EUT part.

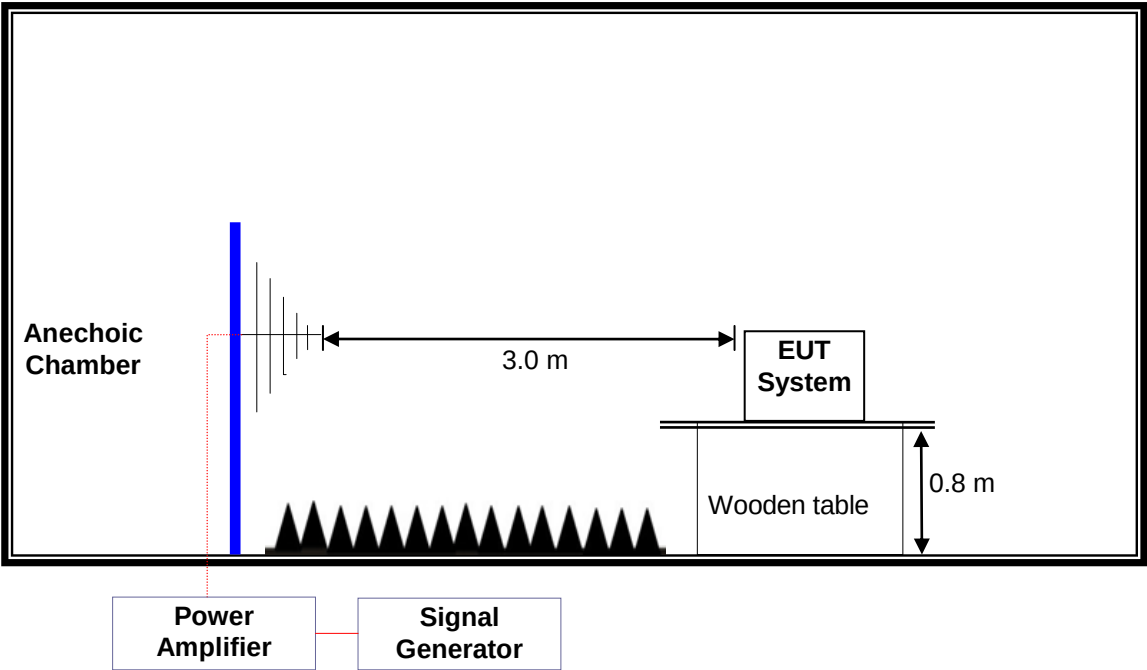
Test Setup Photo

Test Mode 1



EN 55035§4.2.2.2-CONTINUOUS RADIATED IMMUNITY

Test System Setup



Test Standard

EN 55035:2017+A11:2020, IEC 61000-4-3:2006+A1:2007+A2:2010

Test Level

Level	Field Strength (V/m)	Performance Criterion
1	1	A
2	3	
3	10	
X	Special	
Note: X can be any level, above, below or in between the other levels. This level can be specified in the product standard.		

Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above the ground. The EUT is set 3 meters away from the transmitting antenna which is mounted on an antenna tower. Both horizontal("H") and vertical("V") polarizations 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 was used to monitor the EUT.

All the scanning conditions are as follows:

	Condition of Test	Remarks
1	Field Strength	3 V/m (Test level 2)
2	Radiated Signal	AM 80%, 1kHz, Modulation
3	Scanning Frequency	80-1000 MHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz
4	Frequency step	1%
5	Dwell Time	1 sec

Test Data and Test Setup Photo

Environmental Conditions

Temperature:	24 °C
Relative Humidity:	52 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Table 1: Radiated RF-Electromagnetic Field Immunity

Frequency Range (MHz)	Front Side		Rear Side		Left Side		Right Side	
	V	H	V	H	V	H	V	H
80-1000	A	A	A	A	A	A	A	A

Table 2: Radiated RF-Electromagnetic Field Immunity

Frequency Range (MHz)	Front Side		Rear Side		Left Side		Right Side	
	V	H	V	H	V	H	V	H
1800, 2600, 3500, 5000	A	A	A	A	A	A	A	A

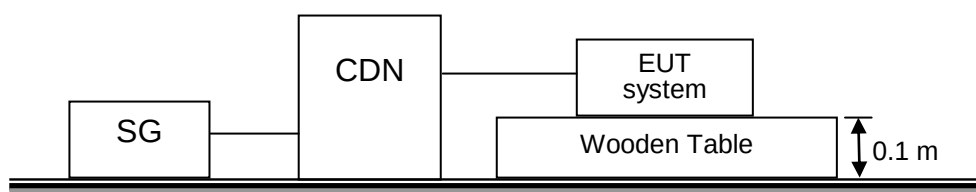
Test Setup Photo

Test Mode 1



EN 55035§4.2.2.3-CONTINUOUS CONDUCTED IMMUNITY

Test Setup



Test Standard

EN 55035:2017+A11:2020, IEC 61000-4-6:2008

Test Level

Frequency (MHz)	Voltage Level (r.m.s.) (V)	Performance Criterion
0.15 to 10	3	A
10 to 30	3 to 1	
30 to 80	1	

Test Procedure

- 1) Let the EUT work in test mode and test it.
- 2) The EUT are placed on an insulating support 0.1 m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane about 0.3 m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be between 30 and 50 mm (where possible).
- 3) The disturbance signal described below is injected to EUT through CDN.
- 4) The EUT operates within its operational mode(s) under intended climatic conditions after power on.
- 5) The frequency range is swept from 150 kHz to 80 MHz using signal level(refer test level), and with the disturbance signal 80% amplitude modulated with a 1 kHz sine wave.
- 6) The rate of sweep shall not exceed 1.5×10^{-3} decades/s. Where the frequency is swept incrementally, the step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.
- 7) An artificial ear and sound level meter are used to monitor the sound pressure level. RF communication test set is used to monitor the noise level.
- 8) Recording the EUT operating situation during compliance testing and decide the EUT immunity criterion.
- 9) The EUT DC line is less 3 meters, it's unnecessary to test.

Test Data and Test Setup Photo**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	51 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Table 1: AC Mains power input port

Modulation: Amplitude 80%, 1 kHz sine wave

Frequency (MHz)	Voltage Level (r.m.s.) (V)	Result
0.15 to 10	3	A
10 to 30	3 to 1	A
30 to 80	1	A
X	Special	/

Test Setup Photo

Test Mode 1



Test Data and Test Setup Photo

Environmental Conditions

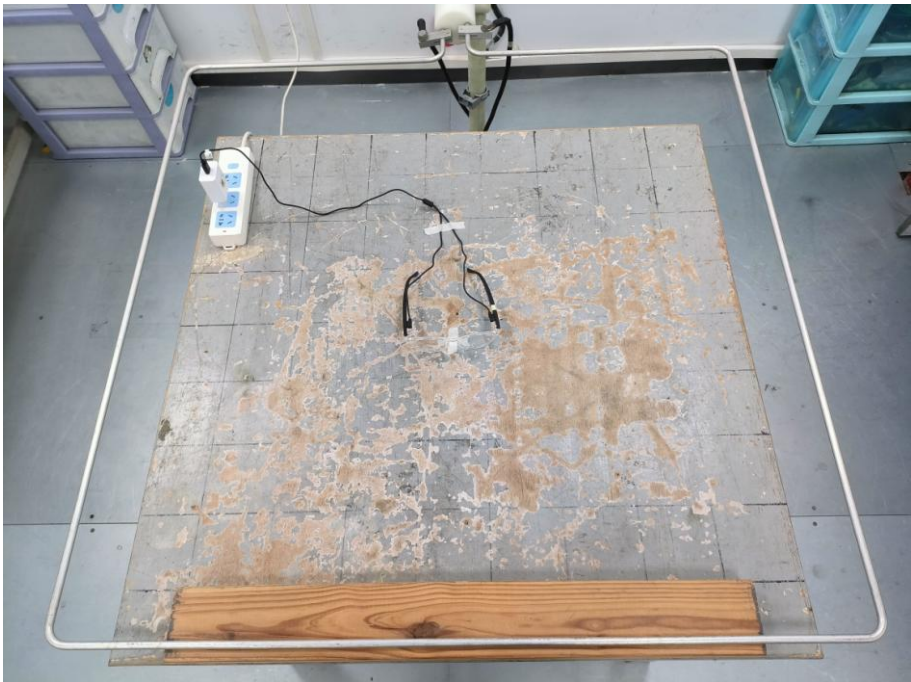
Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Level	Magnetic Field Strength (A/m)	X (Horizontal)	Y (Vertical)	Z (Special)
1	1	A	A	A
2	3	/	/	/
3	10	/	/	/
4	30	/	/	/
5	100	/	/	/

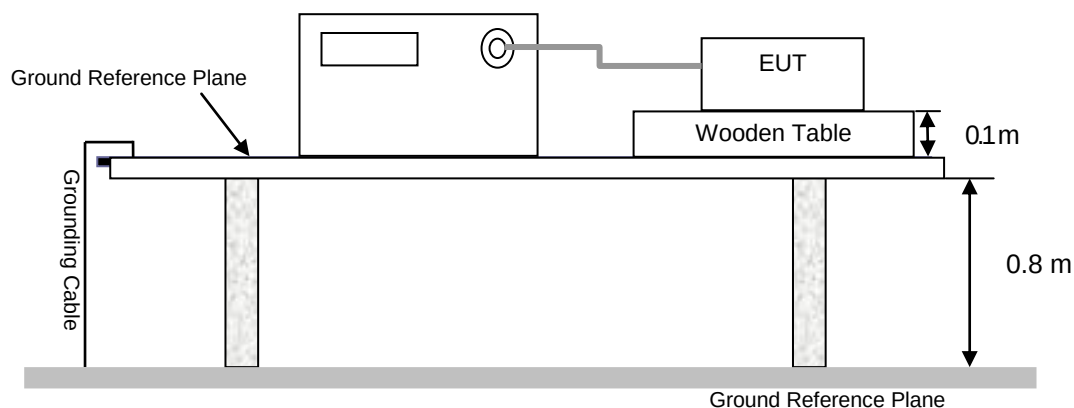
Test Setup Photo

Test Mode 1



EN 55035§4.2.4-ELECTRICAL FAST TRANSIENTS

Test System Setup



Test Standard

EN 55035:2017+A11:2020, IEC 61000-4-4:2012

Test Level

Open Circuit Output Test Voltage ±10%			Performance Criterion
Level	On Power Supply Lines	On I/O (Input/Output) Signal data and control lines	
1	0.5 kV	0.25 kV	B
2	1 kV	0.5 kV	
3	2 kV	1 kV	
4	4 kV	2 kV	
X	Special	Special	
Note: X can be any level, above, below or in between the others. This level shall be specified in the dedicated equipment specification.			

Test Procedure

The EUT was arranged for Power Line Coupling and for I/O Line Coupling through a capacitive clamp, where applicable. (Note: The DC or I/O coupling test using a capacitive clamp is performed on the DC or I/O interface cables that are longer in length than 3 meters.) A metal ground plane 2.4 meter by 2.0 meter was placed between the floor and the table and is connected to the earth by a 2.0 meter ground rod. The ground rod is connected to the test facility's electrical earth.

Note: The DC or I/O cable is less than 3 meter, It's unnecessary to test

Test Data and Test Setup Photo

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Table 1

IEC 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
AC mains power input ports	L	/	/	A	A	/	/	/	/
	N	/	/	A	A	/	/	/	/
	PE	/	/	/	/	/	/	/	/
	L/N	/	/	A	A	/	/	/	/
	L/PE	/	/	/	/	/	/	/	/
	N/PE	/	/	/	/	/	/	/	/
	L/N/PE	/	/	/	/	/	/	/	/

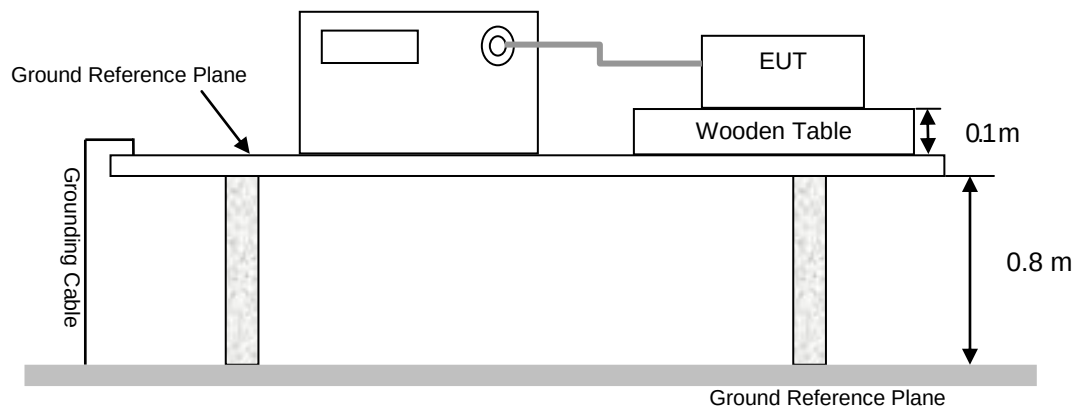
Test Setup Photo

Test Mode 1



EN 55035§4.2.5-SURGES

Test System Setup



Test Standard

EN 55035:2017+A11:2020, IEC 61000-4-5:2005

Test Level

Level	Open Circuit Output Test Voltage ±10%	Performance Criterion
1	0.5 kV	B
2	1 kV	
3	2 kV	
4	4 kV	
X	Special	
Note: X can be any level, above, below or in between the other levels. This level can be specified in the product standard.		

Test Procedure

- 1) For input a.c. power ports, provide a 1.2/50 μ s voltage surge (at open-circuit condition) and a 8/20 μ s current surge into a short circuit.
- 2) For telecommunication port, provide a 10/700 μ s voltage surge (at open-circuit condition) and a 5/320 μ s current surge into a short circuit.
- 3) At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are conducted during test.
- 4) Different phase angles are done individually.
- 5) Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

Test Data and Test Setup Photo

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Level	Voltage	Poll	Phase Angle	Path	Result
1	0.5kV	+	90	L/N	A
1	0.5kV	-	270	L/N	A
2	1kV	+	90	L/N	A
2	1kV	-	270	L/N	A

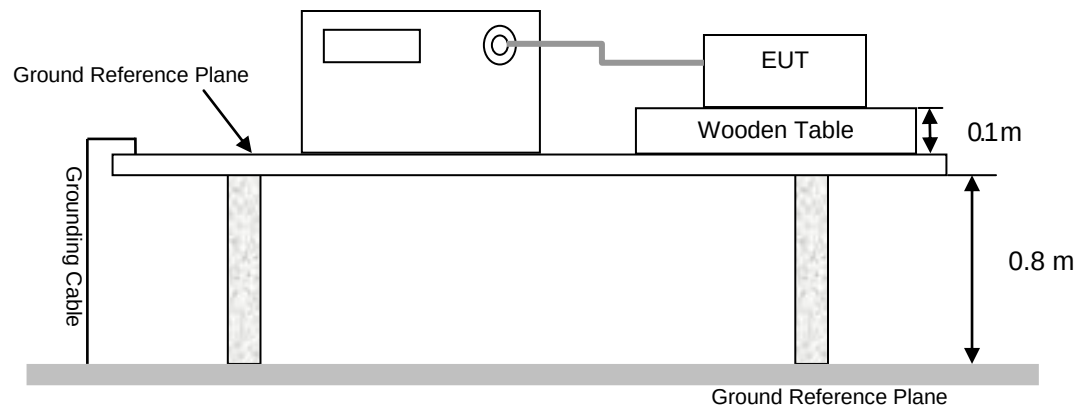
Test Setup Photo

Test Mode 1



EN 55035§4.2.6-VOLTAGE DIPS AND INTERRUPTIONS

Test Setup



Test Standard

EN 55035:2017+A11:2020, IEC 61000-4-11:2004

Test Levels and Performance Criterion

Test Level	Residual voltage (%)	Duration (Periods)	Performance Criterion
1	<5	0.5	B
2	70	25	C
3	<5	250	C

Test Procedure

- 1) The interruption is introduced at selected phase angles with specified duration.
- 2) Record any degradation of performance.

Test Data and Test Setup Photo**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	100.6 kPa
Test Engineer:	Lucy Song
Test Date:	2026-05-22
EUT Operation Mode:	Test Mode 1

Test Result: Please refer to following data.

Level	Residual voltage (%)	Td(Periods)	Phase Angle	N	Result
1	0	0.5	0°/180°	3	A
2	70	25	0°/180°	3	A
3	0	250	0°/180°	3	B

Note: [A] means No loss of function, [B] means charging interrupt and restore automatically, [C] means Reset by operator

Test Setup Photo

Test Mode 1

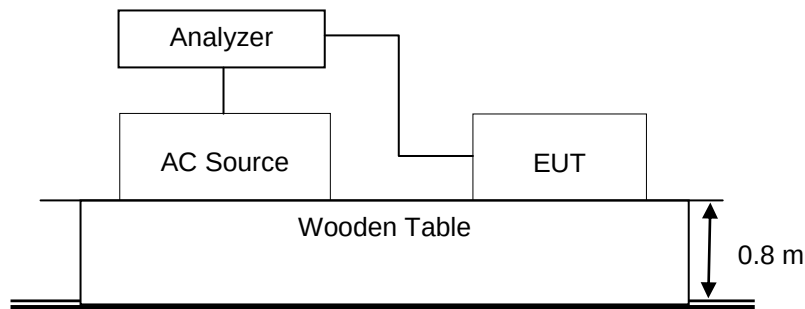


EN IEC 61000-3-2 -HARMONIC CURRENT EMISSIONS

According to EN IEC 61000-3-2: Equipment with a rated power of 1 W in test mode 1, less than 75W, other than lighting equipment, limits are not specified in this standard.

EN 61000-3-3 -VOLTAGE FLUCTUATION AND FLICKER

Test System Setup



Test Standard

EN 61000-3-3:2013+A2:2021+AC:2022-01

Flicker Test Limits:

The limits shall be applicable to voltage fluctuations and flicker at the supply terminals of the equipment under test, measured or calculated according to clause 4 under test conditions described in clause 6 and annex A. Tests made to prove compliance with the limits are considered to be type tests.

The following limits apply:

- the value of P_{st} shall not be greater than 1,0;
- the value of P_{lt} shall not be greater than 0,65;
- the value of $d(t)$ during a voltage change shall not exceed 3,3 % for more than 500 ms;
- the relative steady-state voltage change, dc , shall not exceed 3,3 %;
- the maximum relative voltage change d_{max} , shall not exceed.

a) 4 % without additional conditions;

b) 6 % for equipment which is:

- switched manually, or
- switched automatically more frequently than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds), or manual restart, after a power supply interruption.

Note: The cycling frequency will be further limited by the P_{st} and P_{lt} limit. For example: a d_{max} of 6 % producing a rectangular voltage change characteristic twice per hour will give a P_{lt} of about 0.65.

c) 7 % for equipment which is

- attended whilst in use (for example: hair dryers, vacuum cleaners, kitchen equipment such as mixers, garden equipment such as lawn mowers, portable tools such as electric drills), or
- switched on automatically, or is intended to be switched on manually, no more than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds) or manual restart, after a power supply interruption.

In the case of equipment having several separately controlled circuits in accordance with 6.6, limits b) and c) shall apply only if there is delayed or manual restart after a power supply interruption; for all equipment with automatic switching which is energized immediately on restoration of supply after a power supply interruption, limits a) shall apply; for all equipment with manual switching, limits b) or c) shall apply depending on the rate of switching. P_{st} and P_{lt} requirements shall not be applied to voltage changes caused by manual switching. The limits shall not be applied to voltage changes associated with emergency switching or emergency interruptions.

Test Data and Test Setup Photo

Temperature:	25 °C
Relative Humidity:	53 %
ATM Pressure:	100.6 kPa
Test Date:	2026-05-22
Tester:	Lucy Song
Short time (P_{st}):	10 min
Observation Time:	10 min (1 Flicker measurement)
EUT operation mode:	Test Mode 1

Test Result: Please refer to the following data.

Maximum Flicker Results

V_{rms} at the end of test (Volt): 229.66

	EUT values	Limit	Result
d_t [ms]	0	500.0	Pass
d_c [%]	0.00	3.30	Pass
d_{max} [%]	0.00	4.00	Pass
P_{st}	0.248	1.000	Pass

Test Setup Photo

Test Mode 1

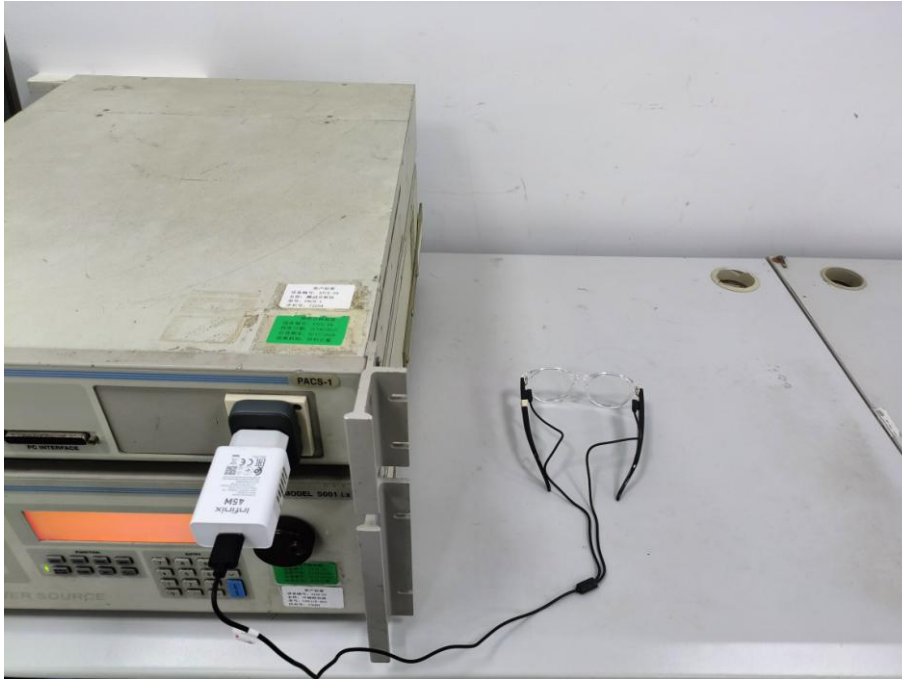


EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment of 2604T13671E EUT Photographs.

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