

TEST REPORT

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Report Number: 2601R49433E-RF-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 Type: Smartphone
Model No.: KINGKONG ES 5
Multiple Model(s) No.: N/A
Trade Mark: CUBOT
Date Received: 2026-03-08
Issue Date: 2026-05-29

Test Result:	Pass▲
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▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

GaLa Liu

GaLa Liu
RF Engineer

Approved By:

Moon Liu
EMC Supervisor

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.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2601R49433E-RF-01	Original Report	2026-05-29

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Voltage Range	DC 5/9V from adapter or DC 3.91V from Battery
Highest operating frequency [#]	5825MHz (Provided by the applicant)
Test Sample serial number	3IUC-5 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Model: TD-203G200170VF01 Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/1.5A PPS: 3.3V-16V/2A, 3.3V-11V/3A

Objective

This test report is in accordance with EN 55032: Electromagnetic compatibility of multimedia equipment - Emission Requirements. EN 55035: Electromagnetic compatibility of multimedia equipment -Immunity requirements. EN IEC 61000-3-2, Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) and also in accordance with EN 61000-3-3, Limits Section 3; Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A.

The objective is to determine the compliance of EUT with 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.

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.

Measurement Uncertainty

Item	Frequency Range		Expanded Measurement uncertainty
Conducted Emissions	AC Mains	150 kHz ~30MHz	3.72dB(k=2, 95% level of confidence)
Radiated Disturbance	30MHz~1000MHz	Horizontal	5.10dB(k=2, 95% level of confidence)
	30MHz~1000MHz	Vertical	6.28dB(k=2, 95% level of confidence)
	1GHz~6GHz	/	6.18dB(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.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

Each test item follows test standards and with no deviation.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in normal mode.

Test Mode1: Charging & playing

Test Mode2: Charging & recording video(rear camera)

Test Mode3: Charging & recording video(front camera)

Test Mode5: Downloading

Note: All of the above test modes were evaluated, but for EMI test item, only the worst-case data was shown in the test report.

EUT exercise software

No software was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

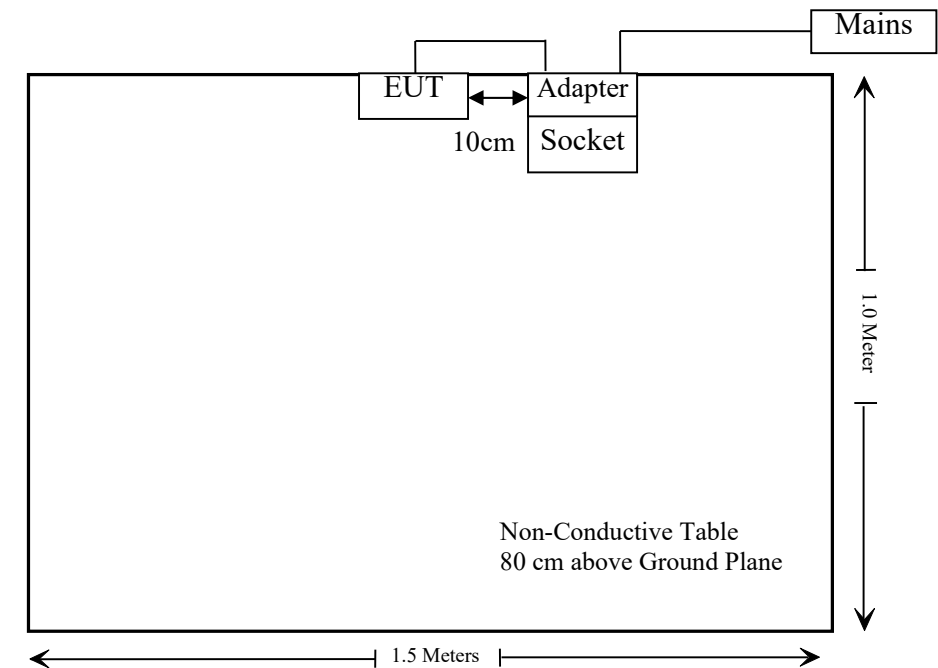
Manufacturer	Description	Model	Serial Number
DELL	PC(for EMI)	Latitude E7280	9RVYFH2
DELL	PC(for EMS)	Latitude E5430	JG3NLV1
DELL	PC adapter	DA130PE1-00	CN-0JU012-68219-18B-JEYY-A04

External I/O Cable

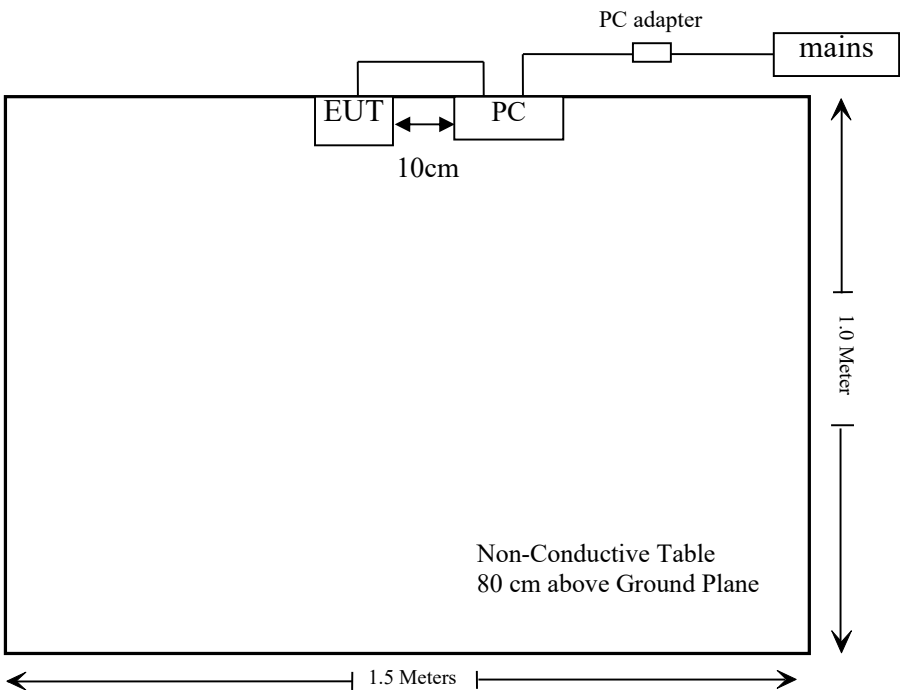
Cable Description	Length (m)	From/Port	To
Unshielded un-detachable AC cable	1.2	Socket	Mains
Shielded detachable USB cable	1.0	EUT	Adapter
Shielded detachable USB cable	1.0	EUT	PC
Shielded detachable RF cable	8.0	Signal Generator	Antenna
Unshielded un-detachable DC cable	1.2	PC	PC adapter
Unshielded detachable AC cable	1.0	PC adapter	Mains

Block Diagram of Test Setup

Test Mode1&2&3



Test Mode5



SUMMARY OF TEST REPORT**EN 55032**

Rule	Description	Results
§ A.2	Radiated Disturbance	Compliant
§ A.3	Conducted Disturbance	Compliant

EN 55035

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

EN IEC 61000-3-2

Rule	Description	Results
§7	Harmonic Current Emissions	Compliant*

EN 61000-3-3

Rule	Description	Results
§5	Voltage Fluctuation and Flicker	Compliant

Compliant*: Equipment rated at 75w or below is exempt from testing.

Not Applicable: Applicable only to CPE xDSL ports.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMI					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2025/09/01	2026/08/31
Rohde & Schwarz	LISN	ENV216	101613	2025/09/18	2026/09/17
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2025/09/18	2026/09/17
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2025/09/18	2026/09/17
Audix	EMI Test software	E3	191218 V9(c)	NCR	NCR
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2025/09/01	2026/08/31
Sonoma instrument	Pre-amplifier	310 N	186238	2025/09/08	2026/09/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Chamber A Cable	Cable A1	Cable A1	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A2	Cable A2	2025/09/08	2026/09/07
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
TDK	Chamber	Chamber A	2#	2023/07/12	2026/07/11
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2025/09/01	2026/08/31
A.H.System	Preamplifier	PAM-0118P	489	2025/09/08	2026/09/07
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	Chamber B Cable	Cable B1	Cable B1	2025/09/08	2026/09/07
Unknown	Chamber B Cable	Cable B2	Cable B2	2025/09/08	2026/09/07
Audix	EMI Test software	E3	191218 V9(c)	NCR	NCR
TDK	Chamber	Chamber B	1#	2023/07/14	2026/07/13
EM TEST	Harmonics/flicker Analyzer	DPA 500N	V0939105176	2025/05/26	2026/05/25
EM TEST	AC Source	ACS500	303276	2026/05/19	2027/05/18
EM Test	DPA.Control test software	V5.0.3.0	Unknown	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMS					
TESEQ	ESD Generator	NSG 438	1476	2025/07/15	2026/07/14
Agilent	Signal Generator	8665B	3744A01675	2025/09/22	2026/09/21
AR	Power Amplifier	200W1000/M2	H1004497	NCR	NCR
AR	Amplifier	60S1G6	348712	NCR	NCR
AR	Antenna	ATL80M1G	348837	NCR	NCR
AR	Antenna	ATT700M12G	349411	NCR	NCR
BACL	Test Software	VEE PRO	V2.6 VXE	NCR	NCR
BK Precision	Sound Level Meter	735	0735 0087 309110025	2025/05/22	2026/05/21
EMTEST	Continuous Wave Simulator	CWS 500N1	V1026106837	2025/08/12	2026/08/11
WEINSCHEL	6dB Attenuator	50-6	R4376	NCR	NCR
Com-Power Corporation	CDN	CDN M325E	521145	2025/06/20	2026/06/19
EMTEST	Icd control	V 5.0.18	002440	NCR	NCR
EM TEST	AC Source	MV2616	V0939105173	2025/09/11	2026/09/10
THERMO	IMMUNITY TESTER	EMC PRO PLUS	1108237	2025/09/01	2026/08/31
EM TEST	Ultra Compact Generator	UCS 500-M6 B	V0616101357	2025/09/22	2026/09/21
EM TEST	Loop Antenna	MS100	0809-05	2024/12/19	2027/12/18
EM TEST	Current Transformer	MC 2630	0309-59	2025/05/16	2026/05/15

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).

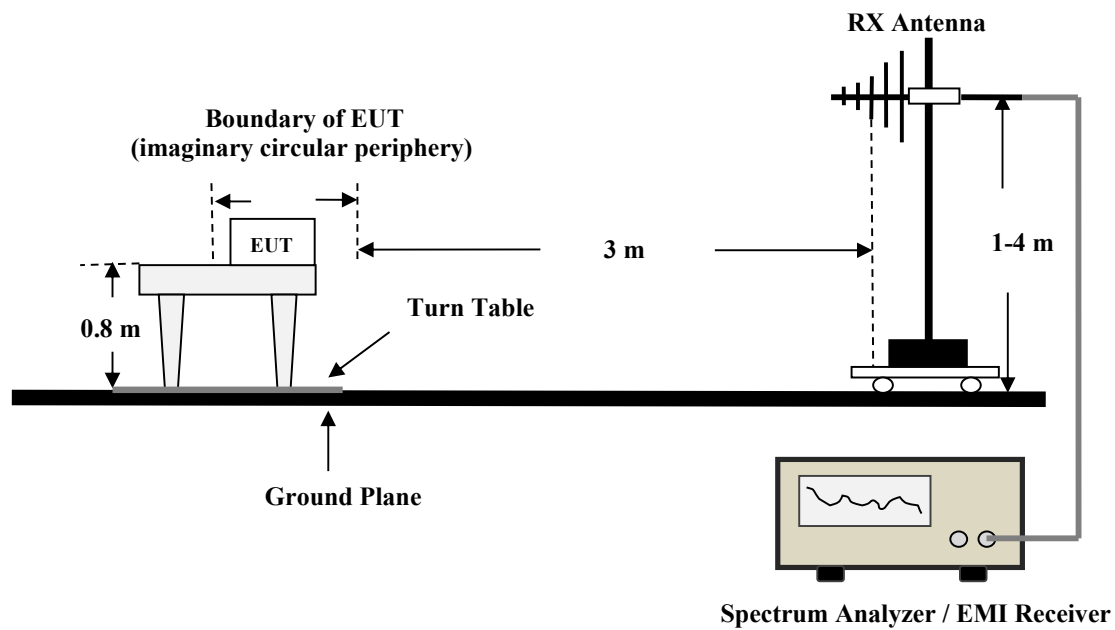
EN 55032§A.2-RADIATED DISTURBANCE

Applicable Standard

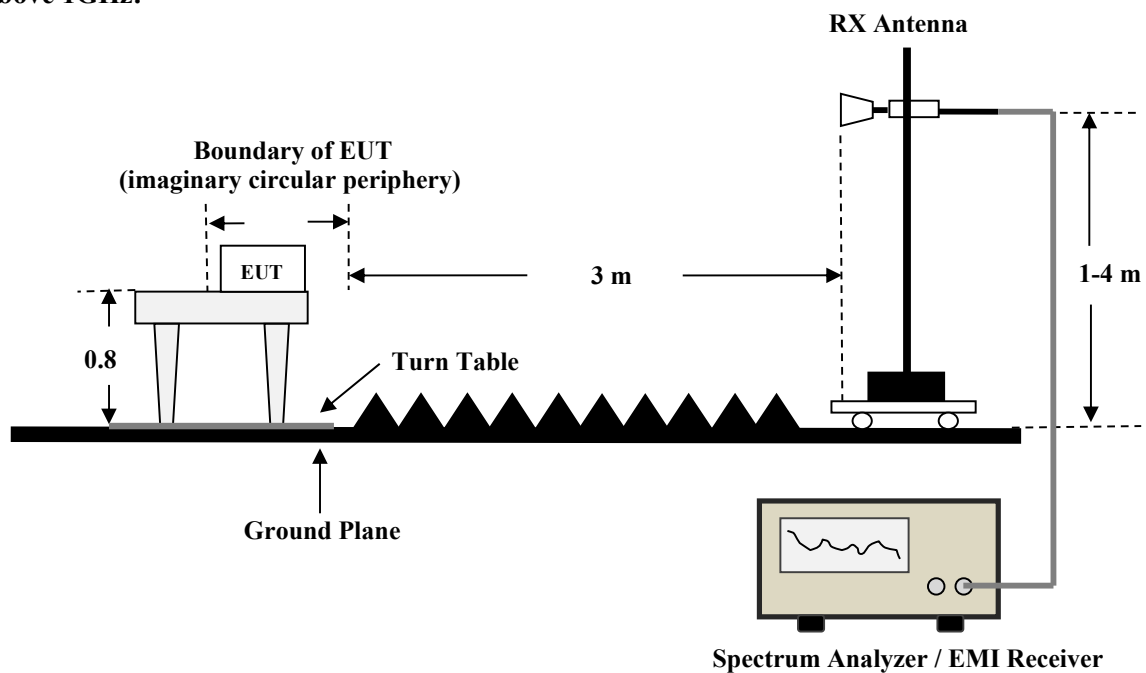
EN 55032§A.2

Test System Setup

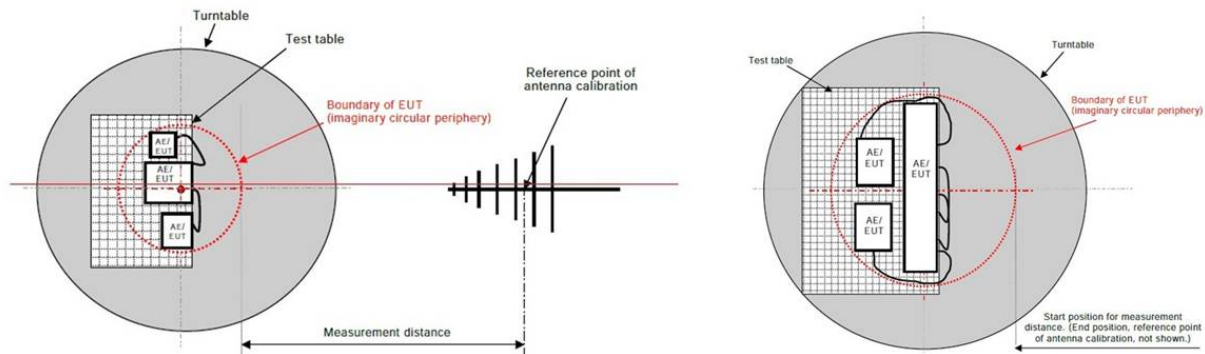
Below 1GHz:



Above 1GHz:



Radiated Emissions Setup Configuration



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.

EMI Test Receiver and Spectrum analyzer Setup

During the radiated emission test, the EMI test receiver and spectrum analyzer setup was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
1 GHz~6 GHz	1 MHz	3 MHz	/	Peak
1 GHz~6 GHz	1 MHz	10 Hz	/	Peak

Test Procedure

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

Level & Over Limit Calculation

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

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

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

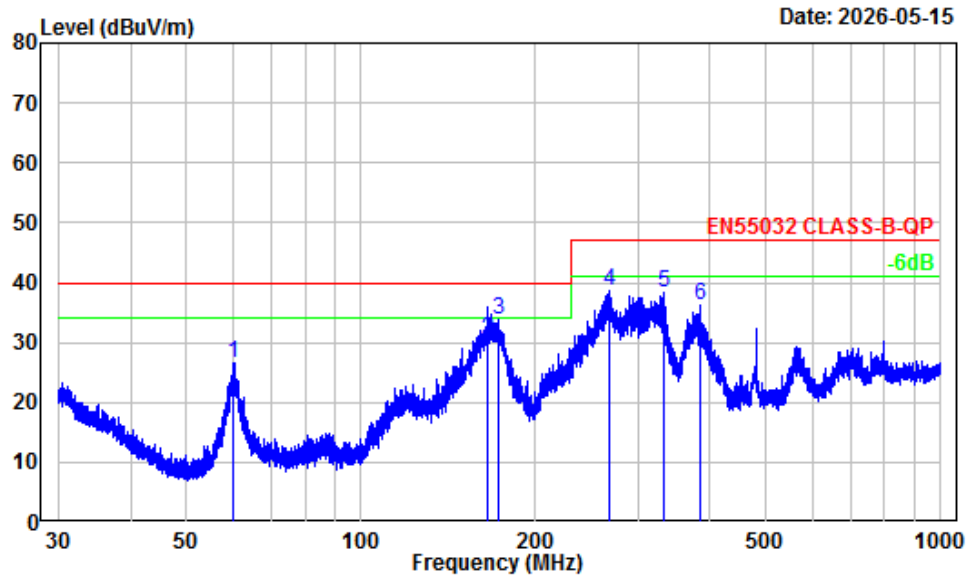
The “**Over Limit**” Column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of -6 dB means the emission is 6 dB below the limit. The equation for margin calculation is as follows:

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

Test Data**Environmental Conditions**

Temperature:	22.8~24.8 °C
Relative Humidity:	51~60 %
ATM Pressure:	99.9~101.2 kPa

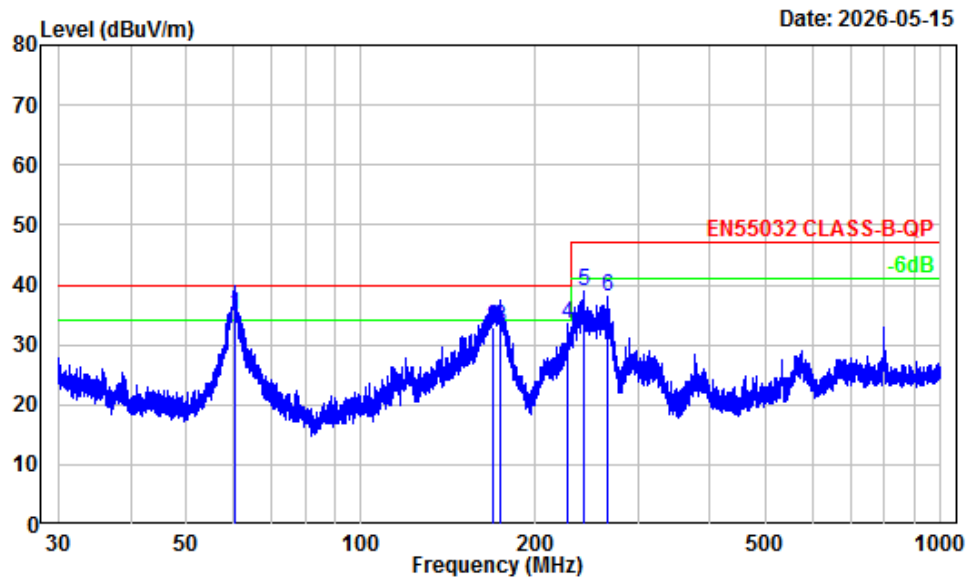
The testing was performed by Anson Su on 2026-05-15 for below 1GHz and Wing K Ji on 2026-05-16 for above 1GHz.

*Test Mode5 (worst case)***30 MHz~1 GHz****Horizontal**

Site : Chamber A
Condition : 3m Horizontal
Project Number : 2601R49433E-RF
Test Mode : Mode 5
Detector: Peak RBW/VBW: 100/300kHz
Detector: QP RBW : 120kHz
Tester : Anson Su

Freq Factor		Read	Limit	Over	Remark
MHz	dB/m	Level	Level	Line	
		dBuV	dBuV/m	dBuV/m	
1	59.99	-18.21	44.86	26.65	40.00 -13.35 Peak
2	165.27	-13.22	43.60	30.38	40.00 -9.62 QP
3	172.52	-13.54	47.48	33.94	40.00 -6.06 Peak
4	267.90	-12.45	51.02	38.57	47.00 -8.43 Peak
5	332.08	-11.01	49.23	38.22	47.00 -8.78 Peak
6	385.96	-9.49	45.73	36.24	47.00 -10.76 Peak

Vertical

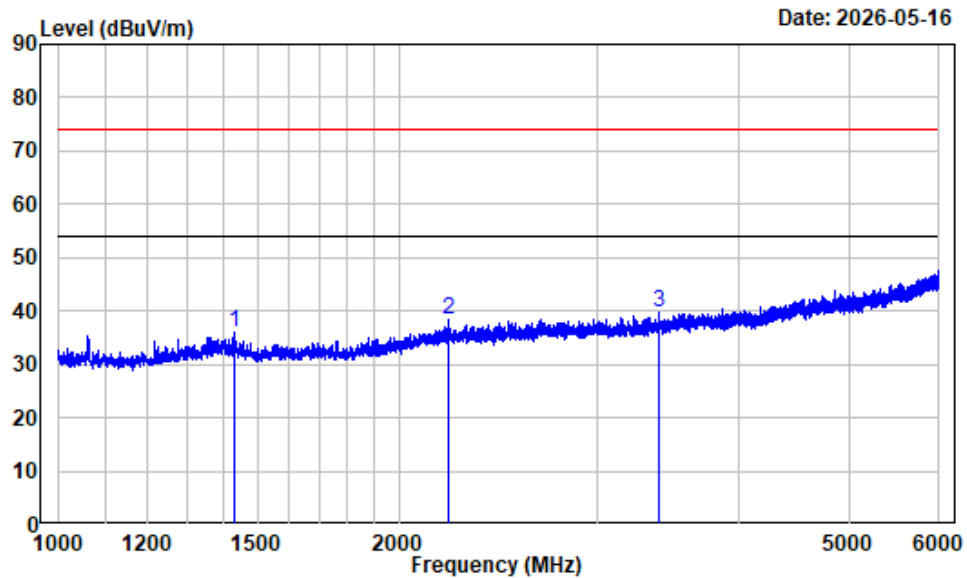


Site : Chamber A
 Condition : 3m Vertical
 Project Number : 2601R49433E-RF
 Test Mode : Mode 5
 Detector: Peak RBW/VBW: 100/300kHz
 Detector: QP RBW : 120kHz
 Tester : Anson Su

	Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	60.44	-18.21	53.20	34.99	40.00	-5.01	QP
2	168.34	-13.34	46.22	32.88	40.00	-7.12	QP
3	173.28	-13.61	46.60	32.99	40.00	-7.01	QP
4	226.40	-14.38	47.78	33.40	40.00	-6.60	Peak
5	242.95	-13.67	52.51	38.84	47.00	-8.16	Peak
6	266.26	-12.58	50.54	37.96	47.00	-9.04	Peak

1-6 GHz

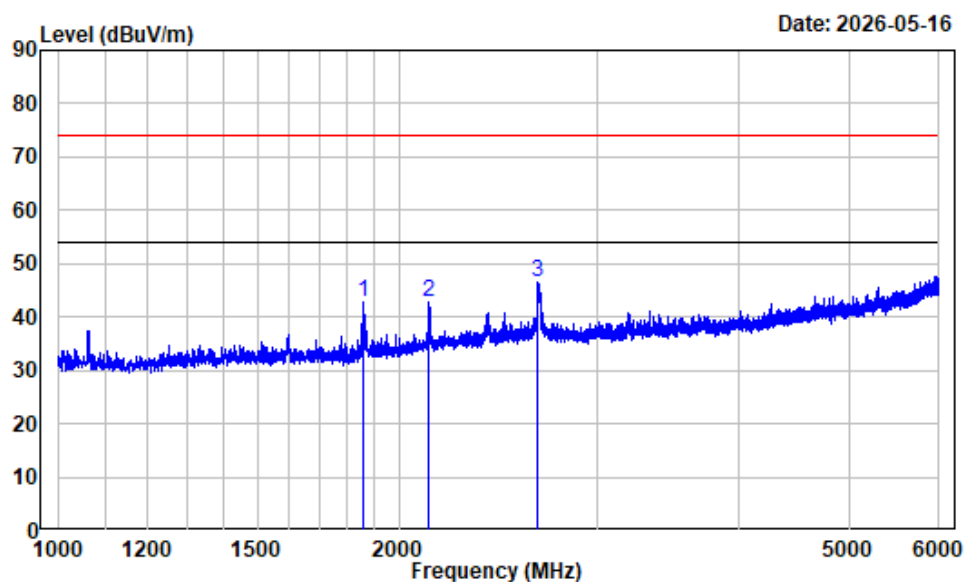
Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2601R49433E-RF
Test mode : Mode5
Tester : Wing K Ji
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1431.250	-13.91	50.06	36.15	74.00	-37.85	Peak
2	2213.750	-10.44	48.67	38.23	74.00	-35.77	Peak
3	3393.750	-9.51	49.40	39.89	74.00	-34.11	Peak

Vertical



Site : chamber B
Condition : Vertical
Project Number : 2601R49433E-RF
Test mode : Mode5
Tester : Wing K Ji
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

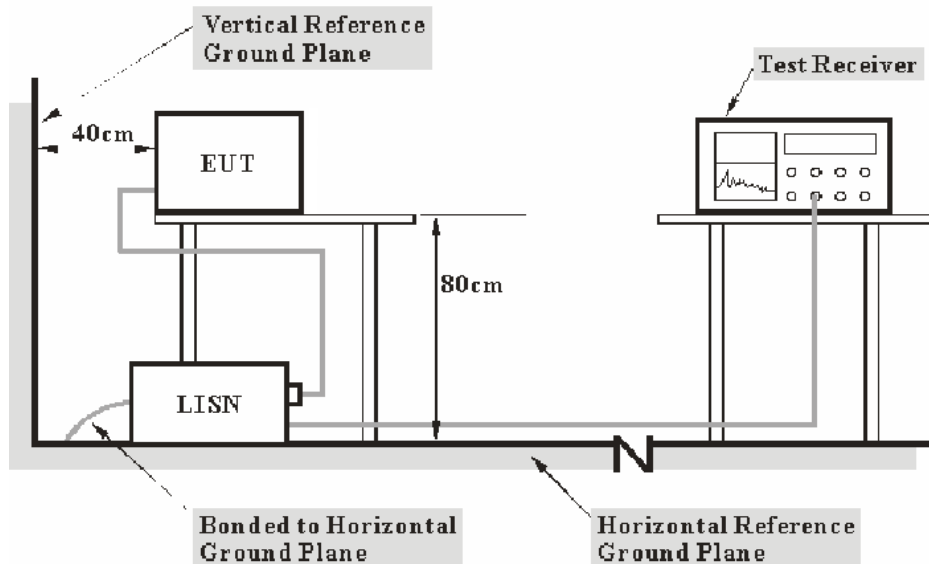
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1861.875	-13.30	56.22	42.92	74.00	-31.08	Peak
2	2127.500	-11.08	53.86	42.78	74.00	-31.22	Peak
3	2656.250	-10.45	56.89	46.44	74.00	-27.56	Peak

EN 55032§A.3 - CONDUCTED DISTURBANCE

Applicable Standard

According to 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.

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	RBW
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.

Level & Over Limit Calculation

The Level is calculated by adding the LISN Factor, Cable Loss and the Read Level. The basic equation is as follows:

$$\text{Level (dBuV)} = \text{Read Level (dBuV)} + \text{LISN Factor} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit.

$$\text{Over Limit (dB)} = \text{Level (dBuV)} - \text{Limit Line (dBuV)}$$

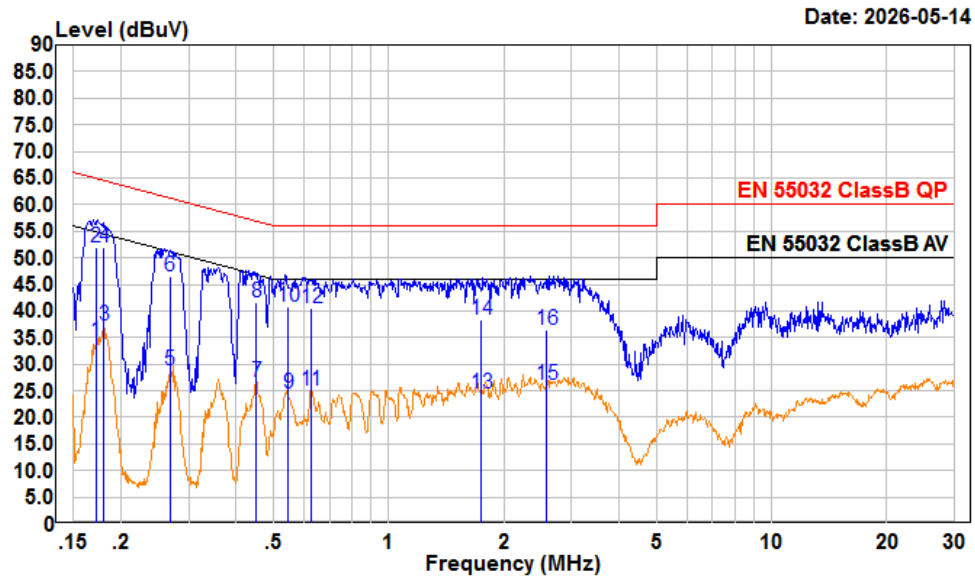
Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Data

Environmental Conditions

Temperature:	24.7 °C
Relative Humidity:	63 %
ATM Pressure:	99.9 kPa

The testing was performed by Alex Yan on 2026-05-14.

*Test Model (worst case)***AC 110V/60 Hz, Line**

Condition: Line

Project : 2601R49433E-RF

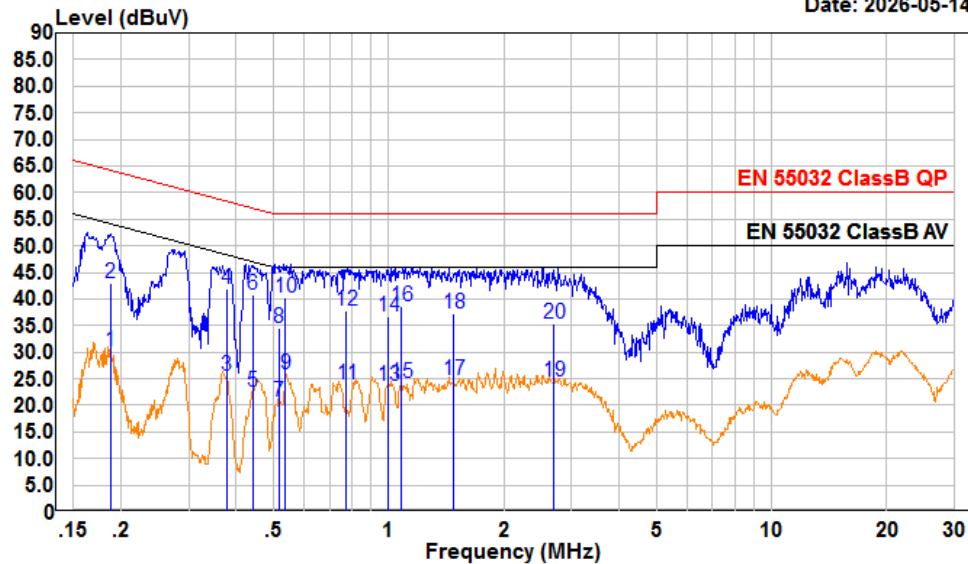
test Mode: Model1

tester : Alex Yan Setting:RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.172	14.44	34.26	9.80	10.02	54.87	-20.61	Average
2	0.172	32.20	52.02	9.80	10.02	64.87	-12.85	QP
3	0.180	17.31	37.14	9.80	10.03	54.48	-17.34	Average
4	0.180	31.98	51.81	9.80	10.03	64.48	-12.67	QP
5	0.268	8.93	28.76	9.80	10.03	51.18	-22.42	Average
6	0.268	26.70	46.53	9.80	10.03	61.18	-14.65	QP
7	0.451	6.75	26.58	9.80	10.03	46.85	-20.27	Average
8	0.451	21.82	41.65	9.80	10.03	56.85	-15.20	QP
9	0.546	4.65	24.49	9.80	10.04	46.00	-21.51	Average
10	0.546	21.08	40.92	9.80	10.04	56.00	-15.08	QP
11	0.626	5.10	24.94	9.80	10.04	46.00	-21.06	Average
12	0.626	20.61	40.45	9.80	10.04	56.00	-15.55	QP
13	1.741	4.51	24.60	9.88	10.21	46.00	-21.40	Average
14	1.741	18.35	38.44	9.88	10.21	56.00	-17.56	QP
15	2.572	5.89	26.06	9.97	10.20	46.00	-19.94	Average
16	2.572	16.25	36.42	9.97	10.20	56.00	-19.58	QP

AC 110V/60 Hz, Neutral

Date: 2026-05-14



Condition: neutral

Project : 2601R49433E-RF

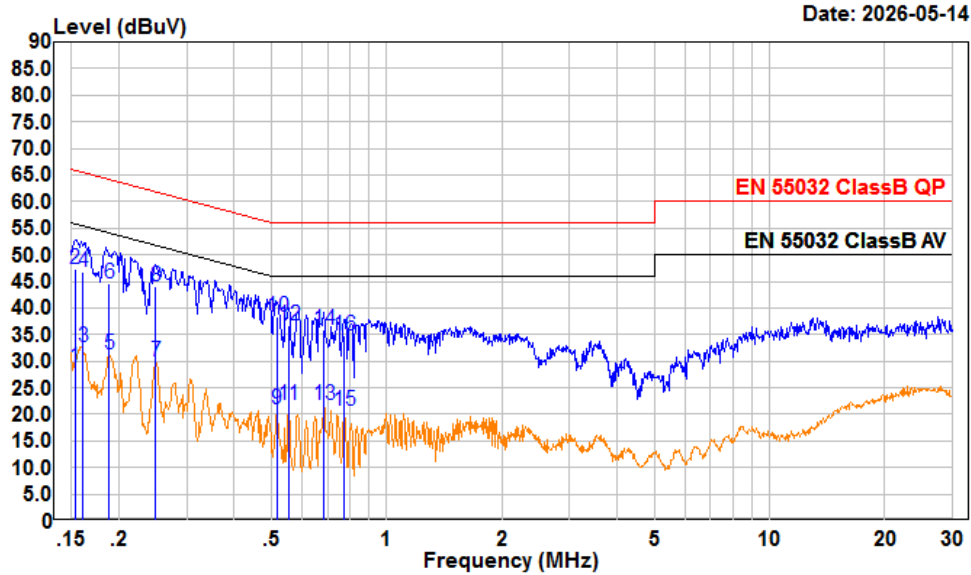
test Mode: Model

tester : Alex Yan Setting:RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.188	10.32	30.15	9.80	10.03	64.14	-33.99	Average
2	0.188	23.05	42.88	9.80	10.03	64.14	-21.26	QP
3	0.377	5.83	25.66	9.80	10.03	48.34	-22.68	Average
4	0.377	22.01	41.84	9.80	10.03	58.34	-16.50	QP
5	0.441	2.75	22.58	9.80	10.03	47.04	-24.46	Average
6	0.441	21.01	40.84	9.80	10.03	57.04	-16.20	QP
7	0.516	0.71	20.55	9.80	10.04	46.00	-25.45	Average
8	0.516	14.75	34.59	9.80	10.04	56.00	-21.41	QP
9	0.538	5.88	25.72	9.80	10.04	46.00	-20.28	Average
10	0.538	20.38	40.22	9.80	10.04	56.00	-15.78	QP
11	0.774	4.12	23.99	9.83	10.04	46.00	-22.01	Average
12	0.774	17.92	37.79	9.83	10.04	56.00	-18.21	QP
13	0.993	3.75	23.70	9.90	10.05	46.00	-22.30	Average
14	0.993	16.86	36.81	9.90	10.05	56.00	-19.19	QP
15	1.081	4.16	24.28	9.90	10.22	46.00	-21.72	Average
16	1.081	18.60	38.72	9.90	10.22	56.00	-17.28	QP

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
17	1.472	4.52	24.63	9.90	10.21	46.00	-21.37	Average
18	1.472	17.25	37.36	9.90	10.21	56.00	-18.64	QP
19	2.705	4.41	24.60	9.99	10.20	46.00	-21.40	Average
20	2.705	15.22	35.41	9.99	10.20	56.00	-20.59	QP

AC 230V/50 Hz, Line



Condition: Line

Project : 2601R49433E-RF

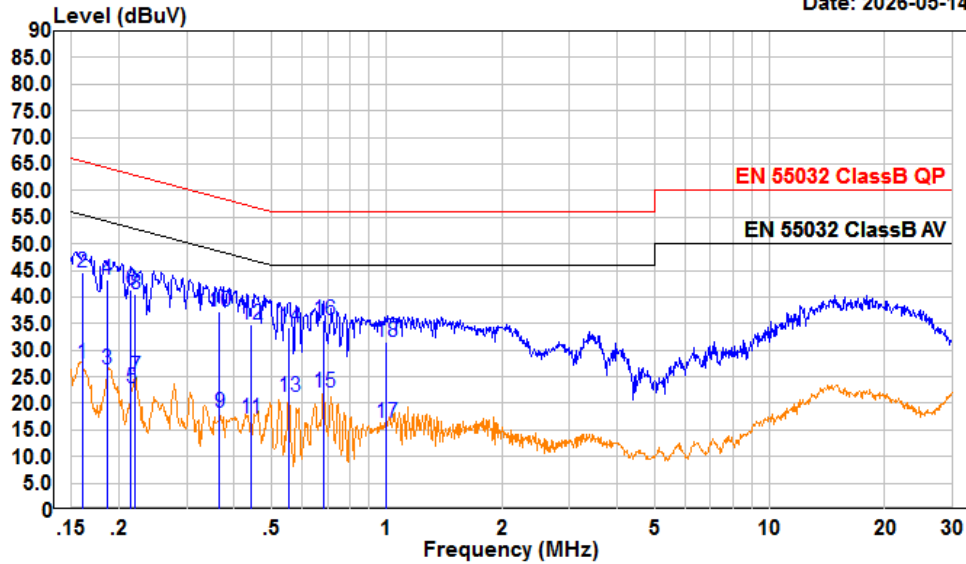
test Mode: Model

tester : Alex Yan Setting: RBW: 9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.154	8.89	28.71	9.80	10.02	55.80	-27.09	Average
2	0.154	27.62	47.44	9.80	10.02	65.80	-18.36	QP
3	0.161	12.95	32.77	9.80	10.02	55.42	-22.65	Average
4	0.161	26.84	46.66	9.80	10.02	65.42	-18.76	QP
5	0.189	11.52	31.35	9.80	10.03	54.10	-22.75	Average
6	0.189	24.86	44.69	9.80	10.03	64.10	-19.41	QP
7	0.249	10.20	30.03	9.80	10.03	51.78	-21.75	Average
8	0.249	24.25	44.08	9.80	10.03	61.78	-17.70	QP
9	0.516	1.24	21.08	9.80	10.04	46.00	-24.92	Average
10	0.516	18.57	38.41	9.80	10.04	56.00	-17.59	QP
11	0.554	2.01	21.85	9.80	10.04	46.00	-24.15	Average
12	0.554	16.94	36.78	9.80	10.04	56.00	-19.22	QP
13	0.686	2.03	21.87	9.80	10.04	46.00	-24.13	Average
14	0.686	16.15	35.99	9.80	10.04	56.00	-20.01	QP
15	0.776	0.83	20.67	9.80	10.04	46.00	-25.33	Average
16	0.776	14.95	34.79	9.80	10.04	56.00	-21.21	QP

AC 230V/50 Hz, Neutral

Date: 2026-05-14



Condition: neutral

Project : 2601R49433E-RF

test Mode: Model

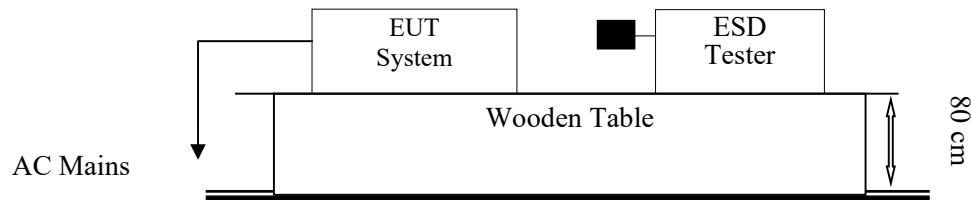
tester : Alex Yan Setting: RBW: 9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.160	7.69	27.51	9.80	10.02	55.46	-27.95	Average
2	0.160	24.84	44.66	9.80	10.02	65.46	-20.80	QP
3	0.186	6.49	26.32	9.80	10.03	54.21	-27.89	Average
4	0.186	23.30	43.13	9.80	10.03	64.21	-21.08	QP
5	0.215	2.92	22.75	9.80	10.03	53.02	-30.27	Average
6	0.215	21.46	41.29	9.80	10.03	63.02	-21.73	QP
7	0.220	5.20	25.03	9.80	10.03	52.81	-27.78	Average
8	0.220	20.69	40.52	9.80	10.03	62.81	-22.29	QP
9	0.365	-1.51	18.32	9.80	10.03	48.61	-30.29	Average
10	0.365	17.35	37.18	9.80	10.03	58.61	-21.43	QP
11	0.442	-2.70	17.13	9.80	10.03	47.03	-29.90	Average
12	0.442	15.11	34.94	9.80	10.03	57.03	-22.09	QP
13	0.554	1.40	21.24	9.80	10.04	46.00	-24.76	Average
14	0.554	14.35	34.19	9.80	10.04	56.00	-21.81	QP
15	0.686	2.21	22.05	9.80	10.04	46.00	-23.95	Average
16	0.686	15.80	35.64	9.80	10.04	56.00	-20.36	QP

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
17	0.993	-3.55	16.40	9.90	10.05	46.00	-29.60	Average
18	0.993	11.73	31.68	9.90	10.05	56.00	-24.32	QP

EN 55035§4.2.1-ELECTROSTATIC DISCHARGES (IEC 61000-4-2)

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 a 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)
1.	2	2
2.	4	4
3.	6	8
4.	8	15
X.	Special	Special

Performance criterion: B

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

Environmental Conditions

Temperature:	26.5 °C
Relative Humidity:	49 %
ATM Pressure:	100.3 kPa

The testing was performed by Jason Li on 2026-05-16.

*Test Mode 1&2&3&5***Table 1: Electrostatic Discharge Immunity (Air Discharge)**

IEC 61000-4-2 Test Points	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-8 kV	+8 kV	-15 kV	+15 kV
Front (4 points)	A	A	A	A	A	A	/	/
Back (2 points)	A	A	A	A	A	A	/	/
Left (1 point)	A	A	A	A	A	A	/	/
Top (1 point)	A	A	A	A	A	A	/	/

Table 2: Electrostatic Discharge Immunity (Direct Contact)

IEC 61000-4-2 Test Points	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
Left (1 point)	A	A	A	A	/	/	/	/
Right (2 points)	A	A	A	A	/	/	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

IEC 61000-4-2 Test Points	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
Front Side	A	A	A	A	/	/	/	/
Back Side	A	A	A	A	/	/	/	/
Left Side	A	A	A	A	/	/	/	/
Right Side	A	A	A	A	/	/	/	/
Top Side	A	A	A	A	/	/	/	/
Bottom Side	A	A	A	A	/	/	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

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



Note: (Red circle with arrow) represents air discharge, (Yellow circle with arrow) represents direct contact

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.

*For Adapter***Table 1: Electrostatic Discharge Immunity (Air Discharge)**

IEC 61000-4-2 Test Points	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-8 kV	+8 kV	-15 kV	+15 kV
Back (1 point)	A	A	A	A	A	A	/	/

Table 2: Electrostatic Discharge Immunity (Direct Contact)

IEC 61000-4-2 Test Points	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
/	/	/	/	/	/	/	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

IEC 61000-4-2 Test Points	Test Levels							
	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV
Front Side	A	A	A	A	/	/	/	/
Back Side	A	A	A	A	/	/	/	/
Left Side	A	A	A	A	/	/	/	/
Right Side	A	A	A	A	/	/	/	/
Top Side	A	A	A	A	/	/	/	/
Bottom Side	A	A	A	A	/	/	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

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



Note: ➡ represents air discharge, ➡ represents direct contact

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.

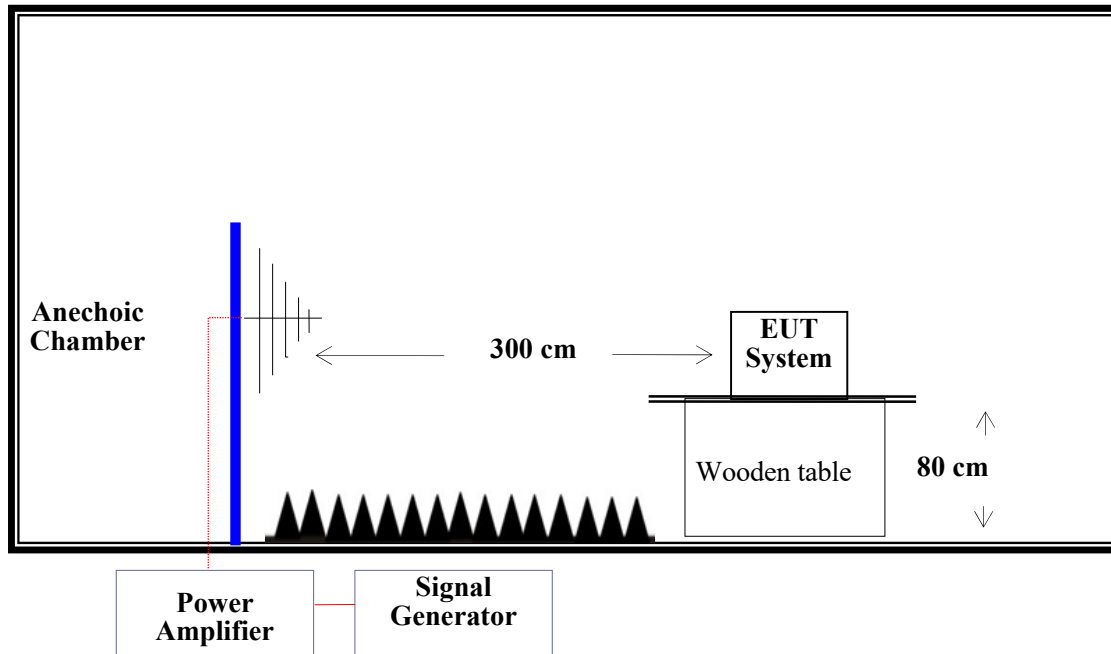
Test Mode 1&2&3



Test Mode 5



Test Setup Photos

EN 55035§4.2.2.2-CONTINUOUS RADIATED IMMUNITY (IEC 61000-4-3)**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
1.	1
2.	3
3.	10
X.	Special

Performance Criterion: A

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 and vertical 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, Antenna, PC and Signal generator are used to monitor the EUT and an artificial ear and sound level meter were used to monitor the sound pressure level.

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%, 1 kHz Modulation
3. Scanning Frequency	80 – 1000 MHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz
4. Frequency step	1%
5. Dwell Time	1 sec.

Test Data

Environmental Conditions

Temperature:	26.4 °C
Relative Humidity:	48 %
ATM Pressure:	100.3 kPa

The testing was performed by Jason Li on 2026-05-16.

Test Mode 1&2&3&5

Frequency (MHz)	Front Side (3 V/m)		Rear Side (3 V/m)		Left Side (3 V/m)		Right Side (3 V/m)	
	VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
80-1000	A	A	A	A	A	A	A	A
1800	A	A	A	A	A	A	A	A
2600	A	A	A	A	A	A	A	A
3500	A	A	A	A	A	A	A	A
5000	A	A	A	A	A	A	A	A

Note:

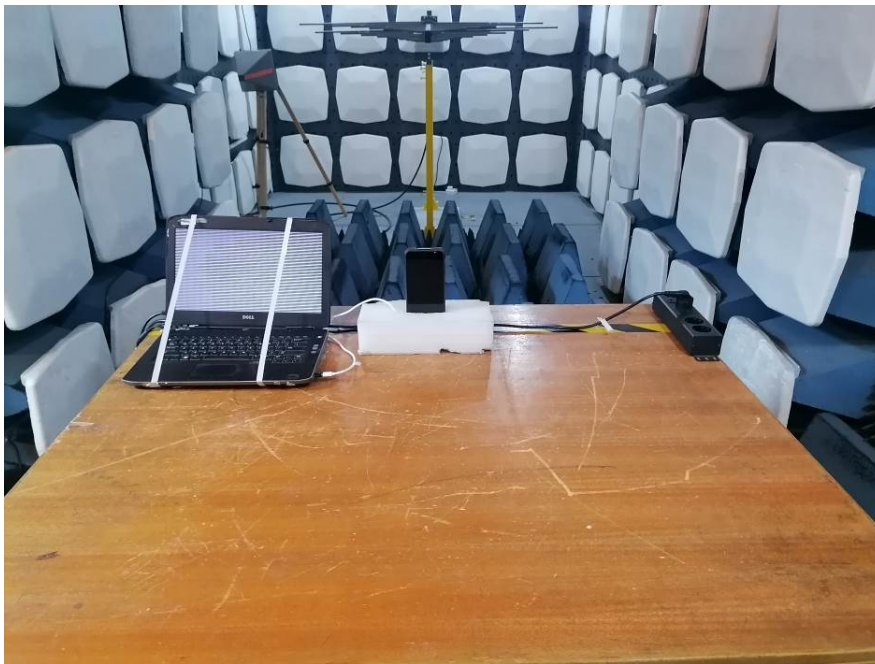
Frequency Range (MHz)	Field Strength	L0(dB)	L1(dB)	Margin(dB)	Limit(dB)	Perform Criterion	Remark
80-1000	3V/m	75	45	-30	≤ -20	A	PASS

Spot Test (MHz)	Field Strength	L0(dB)	L1(dB)	Margin(dB)	Limit(dB)	Perform Criterion	Remark
1800	3V/m	75	44	-31	≤ -20	A	PASS
2600	3V/m	75	43	-32	≤ -20	A	PASS
3500	3V/m	75	45	-30	≤ -20	A	PASS
5000	3V/m	75	43	-32	≤ -20	A	PASS

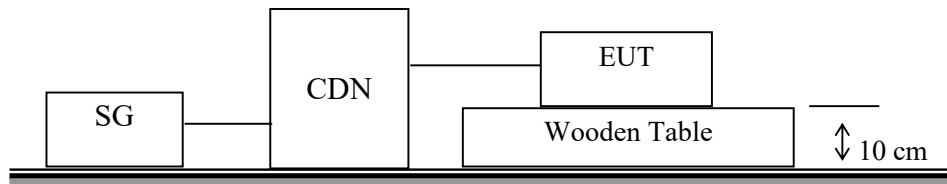
Test Mode 1&2&3



Test Mode 5



Test Setup Photos

EN 55035§4.2.2.3-CONTINUOUS CONDUCTED IMMUNITY (IEC 61000-4-6)**Test Setup****Test Standard**

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

Test Level

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

Performance Criterion: A**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 3V signal 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.

Test Data

Environmental Conditions

Temperature:	26.5 °C
Relative Humidity:	49 %
ATM Pressure:	100.3 kPa

The testing was performed by Jason Li on 2026-05-16.

Test Mode 1&2&3&5

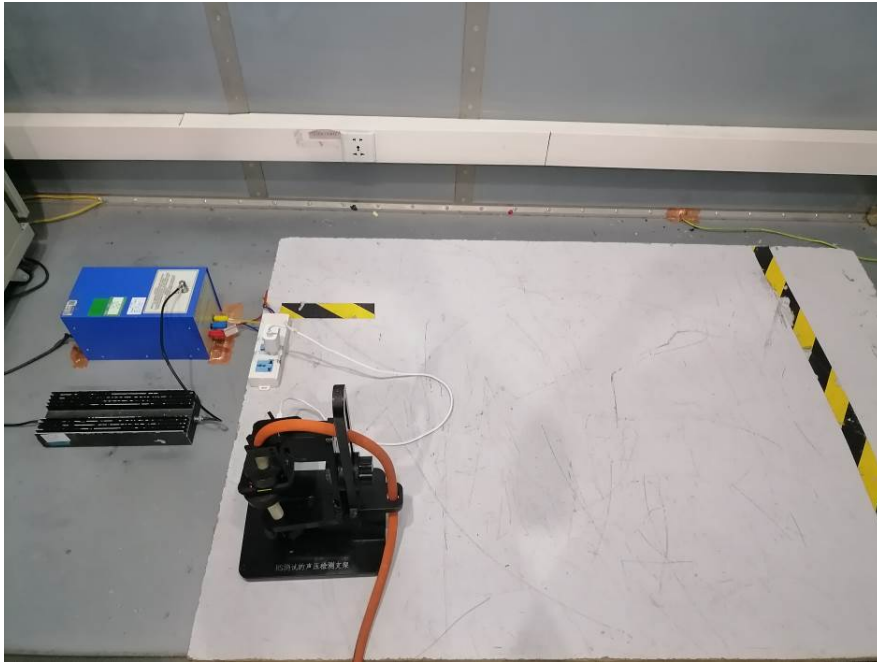
Modulation: Amplitude 80%, 1 kHz sine wave
Test Level:

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

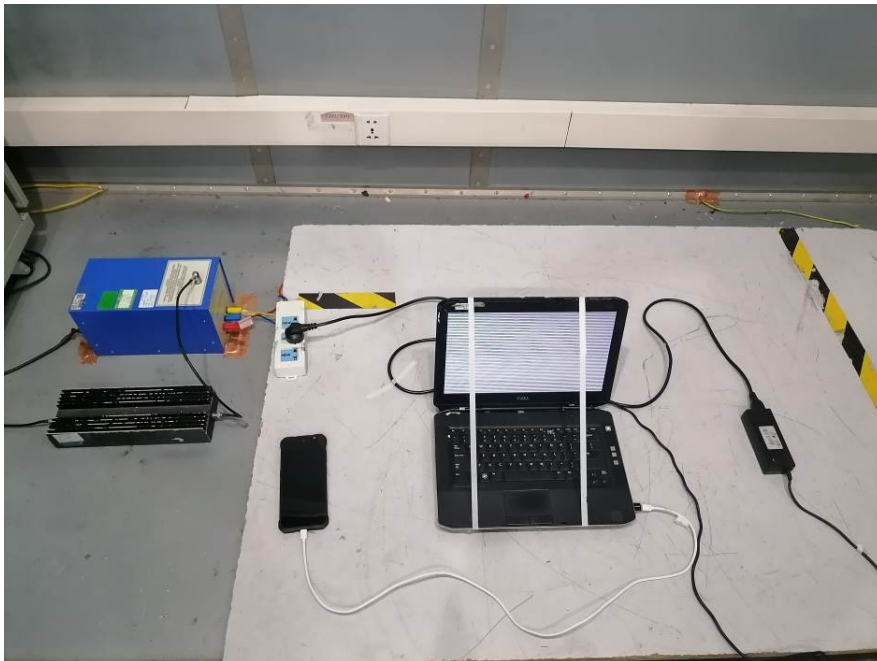
Note:

Frequency (MHz)	Field Strength	L0 (dB)	L1 (dB)	Margin (dB)	Limit (dB)	Perform Criterion	Remark
0.15-10	3V	75	43	-32	≤-20	A	PASS
10-30	3V-1V						
30-80	1V						

Test Mode 1&2&3

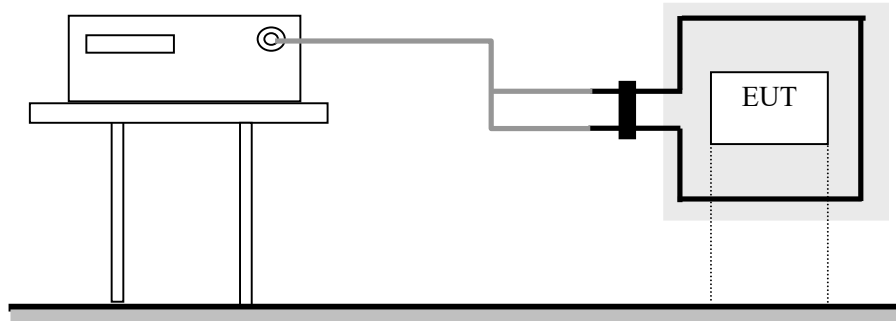


Test Mode 5



Test Setup Photos

Test Setup



EN 55035:2017+A11:2020(IEC 61000-4-8:2009)

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

Performance criterion: A

The EUT shall be subjected to the test magnetic field by using the induction coil of standard dimensions (1 m*1 m). The induction coil shall then be rotated by 90° in order to expose the EUT to the test field with different orientations.

Test Data

Environmental Conditions

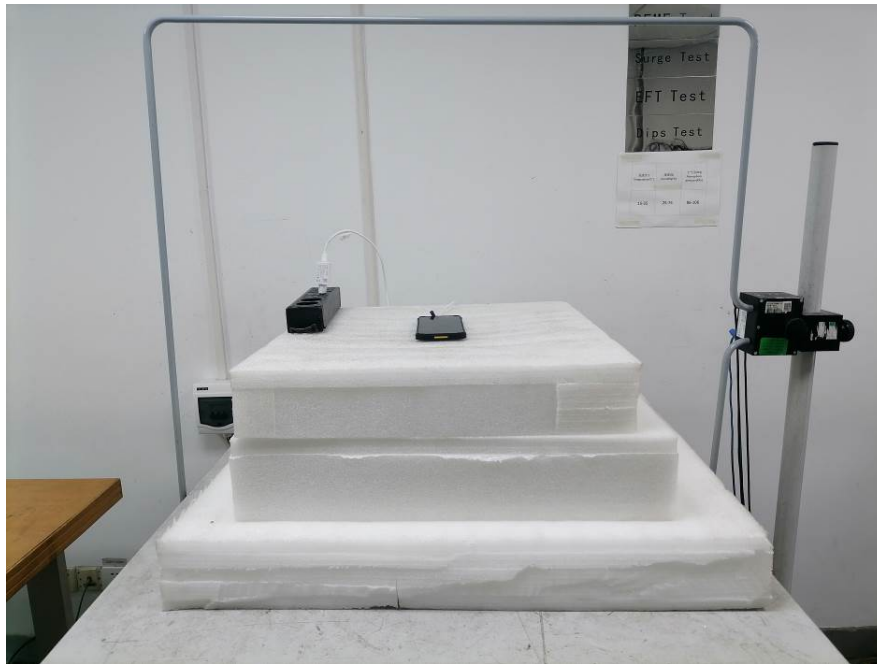
Temperature:	27.5 °C
Relative Humidity:	56 %
ATM Pressure:	100.3 kPa

The testing was performed by Jason Li on 2026-05-16.

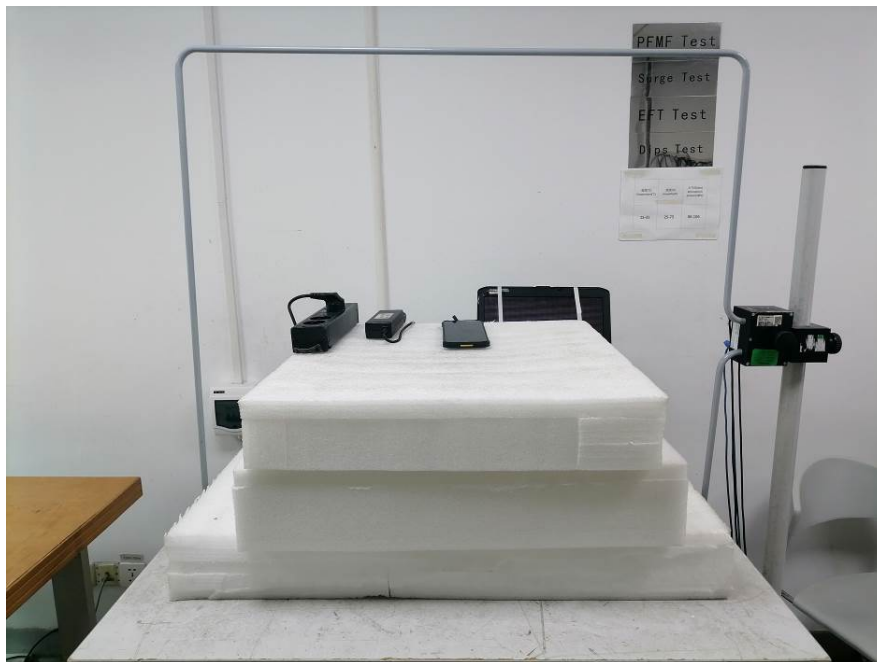
Test Mode 1&2&3&5

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	/	/	/
X	Special	/	/	/

Test Mode 1&2&3



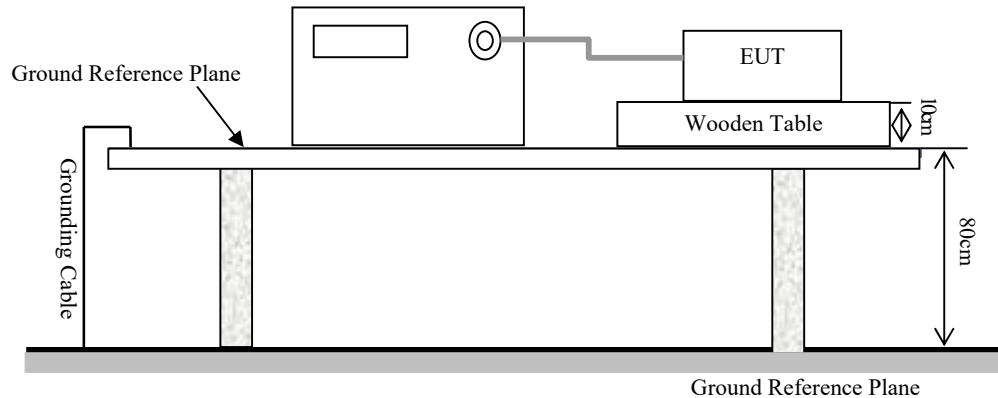
Test Mode 5



Test Setup Photos

EN 55035§4.2.4-ELECTRICAL FAST TRANSIENTS (IEC 61000-4-4)

Test System Setup



Test Standard

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

Test Level

Open Circuit Output Test Voltage $\pm 10\%$		
Level	On Power Supply Lines	On I/O (Input/Output) Signal data and control lines
1	0.5 kV	0.25 kV
2	1 kV	0.5 kV
3	2 kV	1 kV
4	4 kV	2 kV
X	Special	Special

Test instrument setting

Port under test	Pulse repetition rate	Burst duration/ Burst period	Duration of test port
AC power port DC power port Wired network ports (excluding xDSL)	5 kHz	15 ms/300 ms	1 minute
xDSL	100 kHz	0.75 ms/300 ms	1 minute

Performance Criterion: B

Test Procedure

The EUT was arranged for Power Line Coupling and for I/O Line Coupling through a capacitive clamp, where applicable. (Note: The I/O coupling test using a capacitive clamp is performed on the 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.

Test Data**Environmental Conditions**

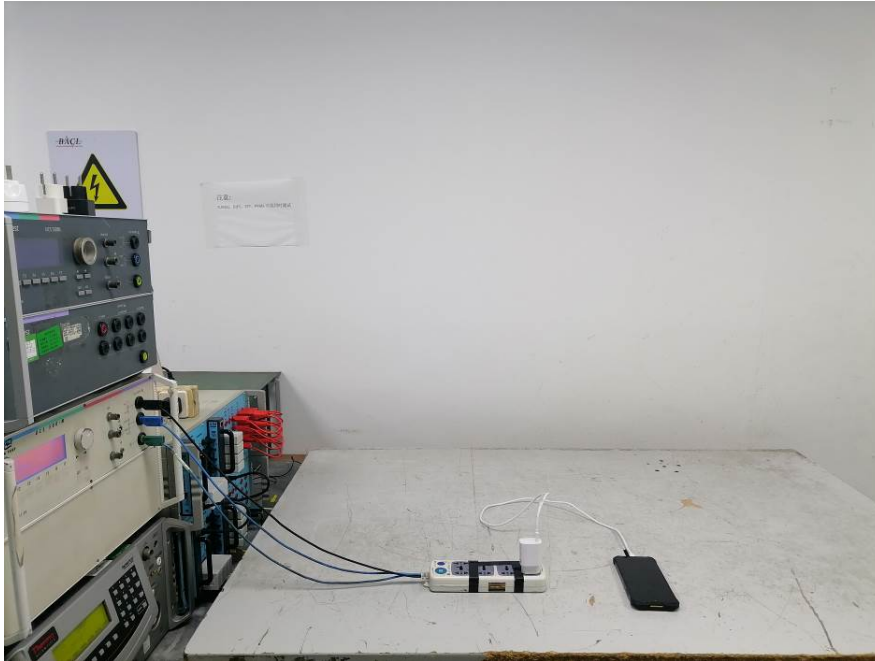
Temperature:	27.5 °C
Relative Humidity:	56 %
ATM Pressure:	100.3 kPa

The testing was performed by Jason Li on 2026-05-16.

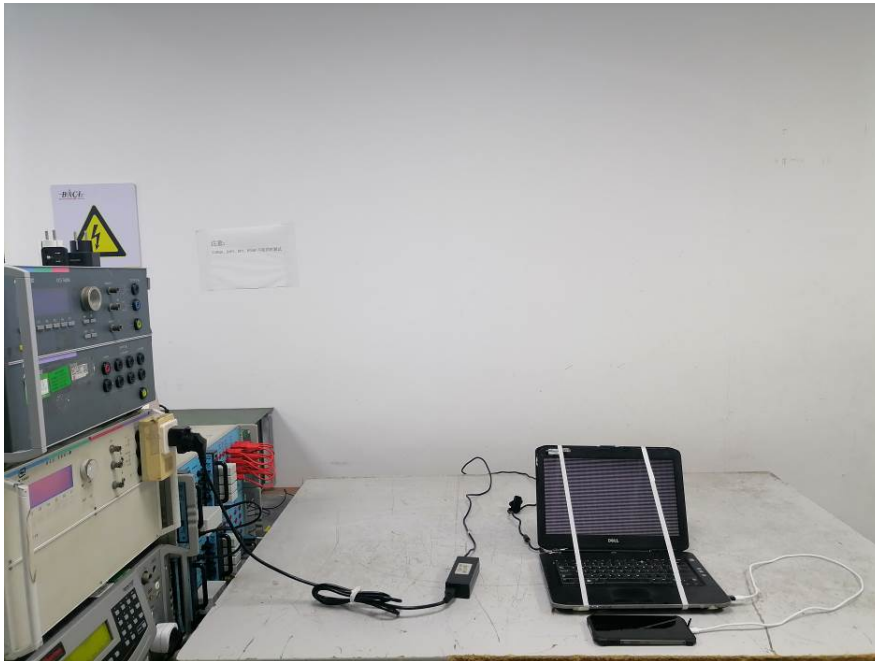
Test Mode 1&2&3&5

EN 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	L1	/	/	A	A	/	/	/	/
	N	/	/	A	A	/	/	/	/
	PE	/	/	/	/	/	/	/	/
	L1/N	/	/	A	A	/	/	/	/
	L1/PE	/	/	/	/	/	/	/	/
	N/PE	/	/	/	/	/	/	/	/
	L1/N/PE	/	/	/	/	/	/	/	/
Signal Port	/	/	/	/	/	/	/	/	/

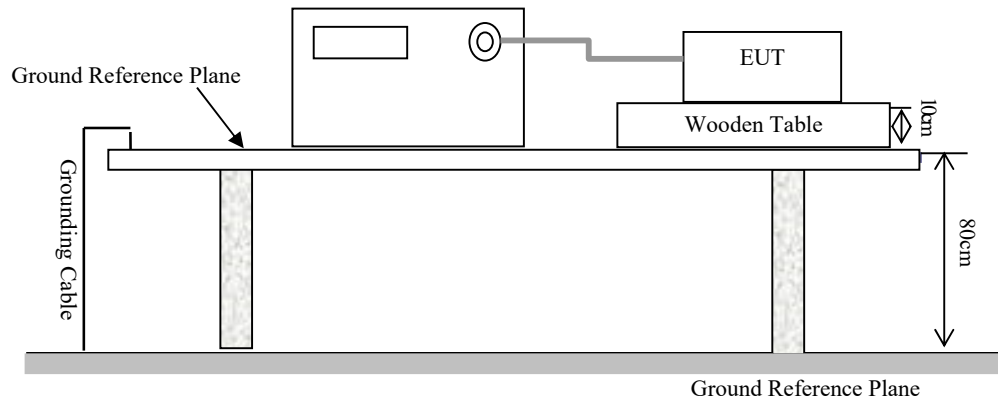
Test Mode 1&2&3



Test Mode 5



Test Setup Photos

EN 55035§4.2.5-SURGES (IEC 61000-4-5)**Test System Setup****Test Standard**

EN 55035:2017+A11:2020 (IEC 61000-4-5:2014)

Test Level

Level	Open Circuit Output Test Voltage $\pm 10\%$	Performance Criterion	
		AC Mains	Signal Port
1	0.5 kV	B	C
2	1 kV	B	C
3	2 kV	B	C
4	4 kV	B	C
X	Special	/	/

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

Environmental Conditions

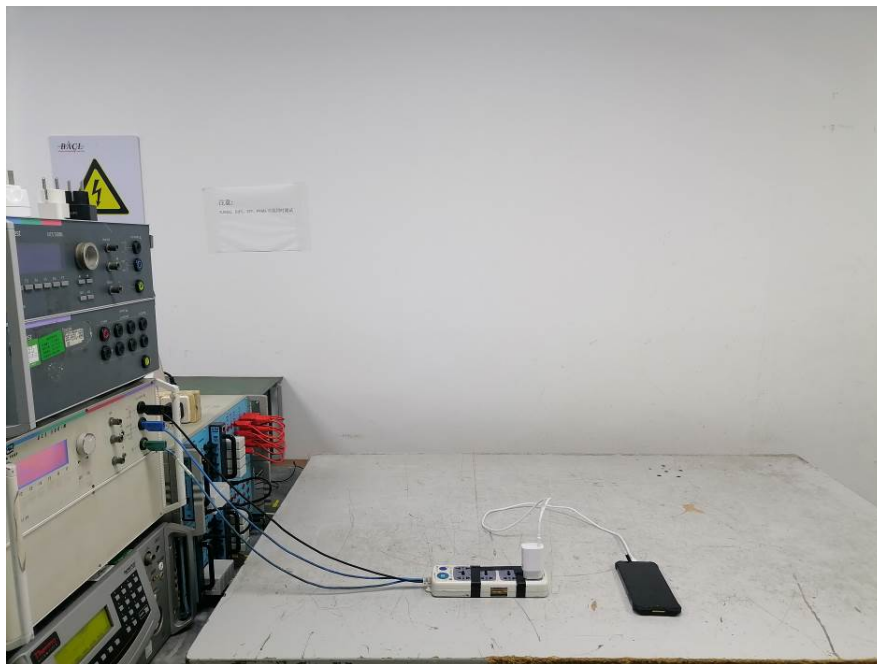
Temperature:	27.5 °C
Relative Humidity:	56 %
ATM Pressure:	100.3 kPa

The testing was performed by Jason Li on 2026-05-16.

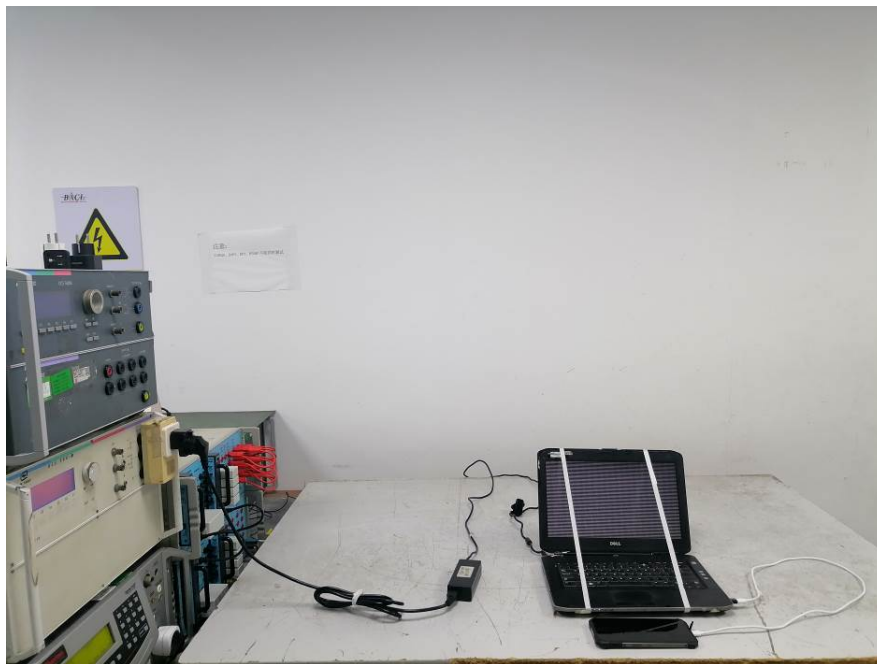
Test Mode 1&2&3&5

Port	Level	Voltage	Poll	Path	Criterion
AC Mains	1	0.5 kV	±	L-N	A
	2	1 kV	±	L-N	A
	3	2 kV	±	/	/
	4	4 kV	±	/	/

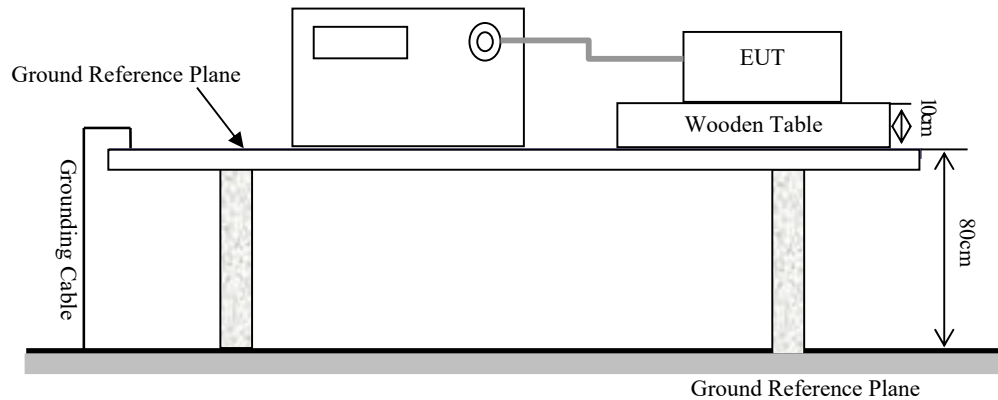
Test Mode 1&2&3



Test Mode 5



Test Setup Photos

EN 55035§4.2.6-VOLTAGE DIPS AND INTERRUPTIONS (IEC 61000-4-11)**Test Setup****Test Standard**

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

Test levels and Performance Criterion

Test Level	Voltage dip and short interruptions %UT	Duration (Periods)	Performance Criterion
1	>95	0.5	B
2	30	25	C
3	>95	250	C

Test Procedure

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

Test Data**Environmental Conditions**

Temperature:	27.5 °C
Relative Humidity:	56 %
ATM Pressure:	100.3 kPa

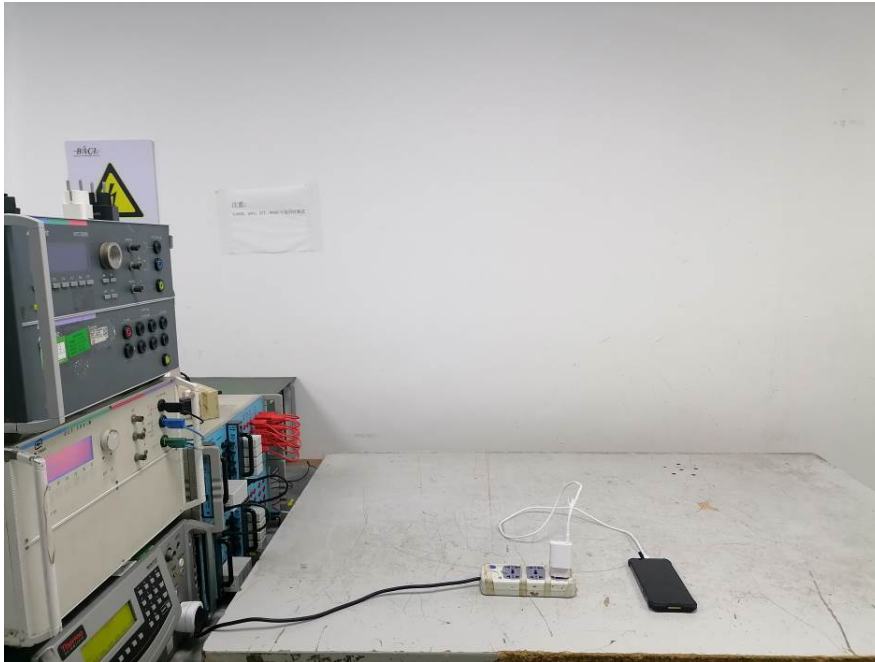
The testing was performed by Jason Li on 2026-05-16.

Test Mode 1&2&3&5

Level	U2 (% Reduction)	Td(Periods)	Phase Angle	N	Pass	Fail
1	0	0.5	0/180	3	A	/
2	70	25	0/180	3	A	/
3	0	250	0/180	3	B	/

Note: B means charging interrupt and restore automatically.

Test Mode 1&2&3



Test Mode 5



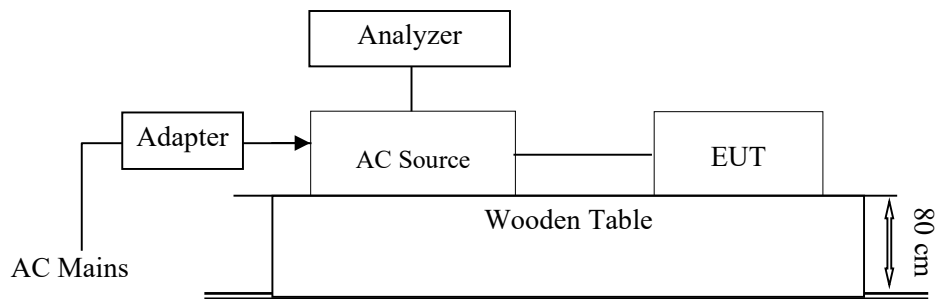
Test Setup Photos

EN IEC 61000-3-2– HARMONIC CURRENT EMISSIONS

According to EN IEC 61000-3-2:2019+A2:2024 section 7: Equipment with a rated power of 75 W or less, other than lighting equipment, are not included 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, d_c , 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.
 - 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. Pst and Plt 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

Environmental Conditions

Temperature:	26.2 °C
Relative Humidity:	66 %
ATM Pressure:	100.1 kPa

Date of test:	9:03 25 May 2026
Tester:	Jason Li
Standard used:	EN/IEC 61000-3-3 Flicker
Short time (Pst):	10 min
Observation time:	120 min (12 Flicker measurement)
Flicker meter:	230V / 50Hz
Model:	KINGKONG ES 5
Test mode:	Test Model1 (worst case)

Maximum Flicker results

	EUT values	Limit	Result
Pst	0.048	1.00	Pass
Plt	0.031	0.65	Pass
dc [%]	0.014	3.30	Pass
dmax [%]	0.285	4.00	Pass
dt [s]	0.000	0.50	Pass



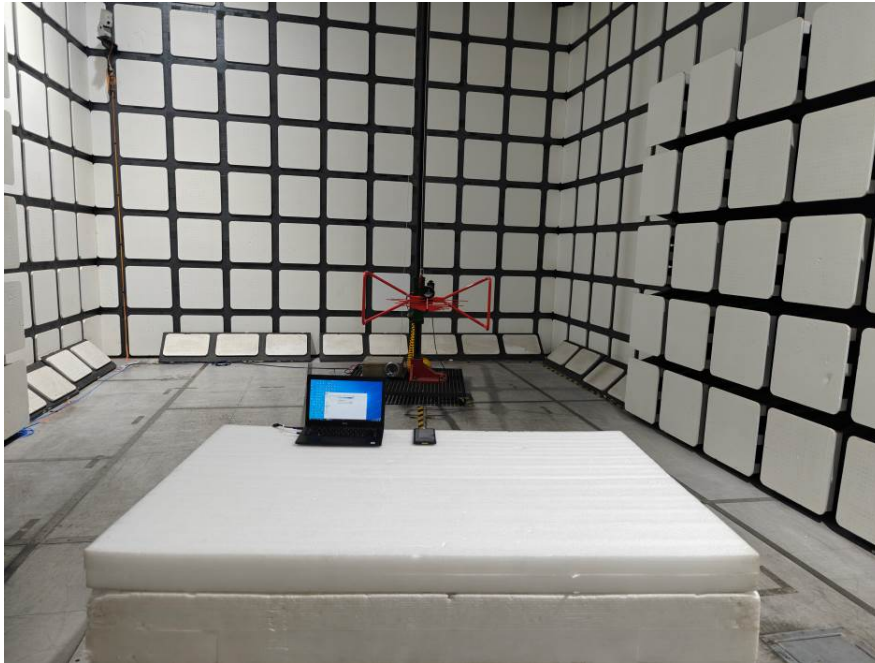
Test Setup Photo

EXHIBIT A - EUT PHOTOGRAPHS

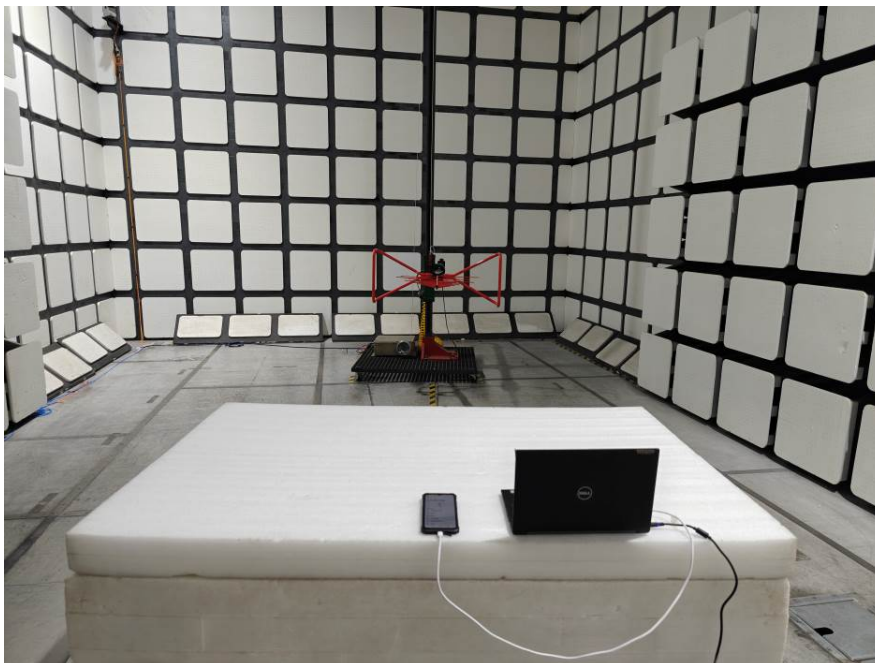
Please refer to the report number is 2601R49433E-EUT.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

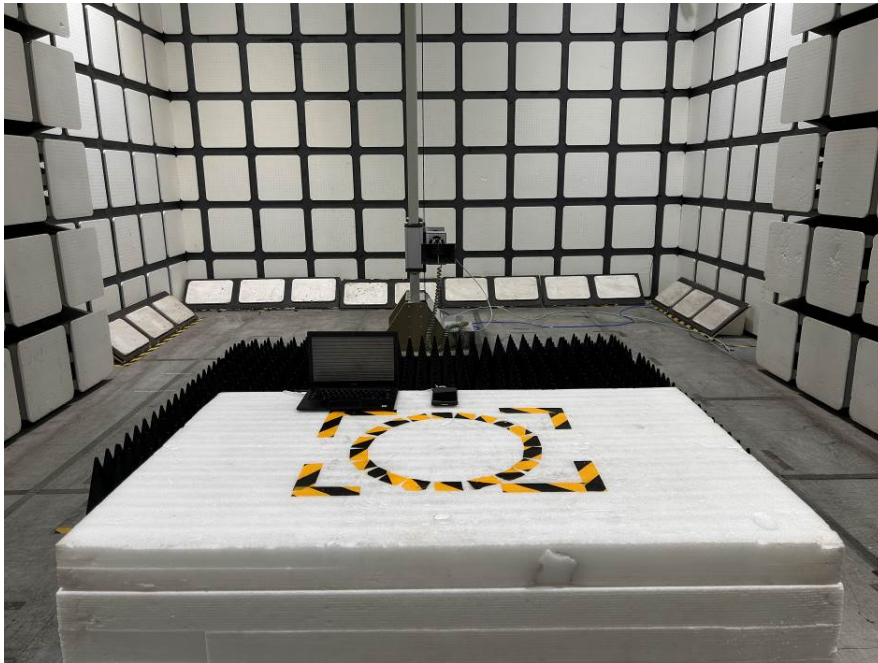
Radiated Disturbance - Front View (Below 1 GHz)



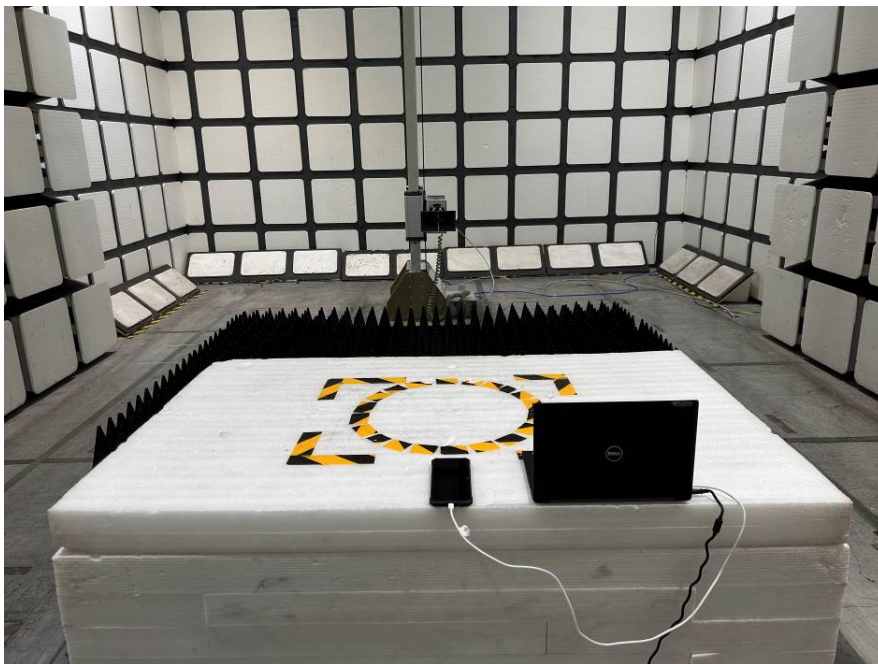
Radiated Disturbance - Rear View (Below 1 GHz)



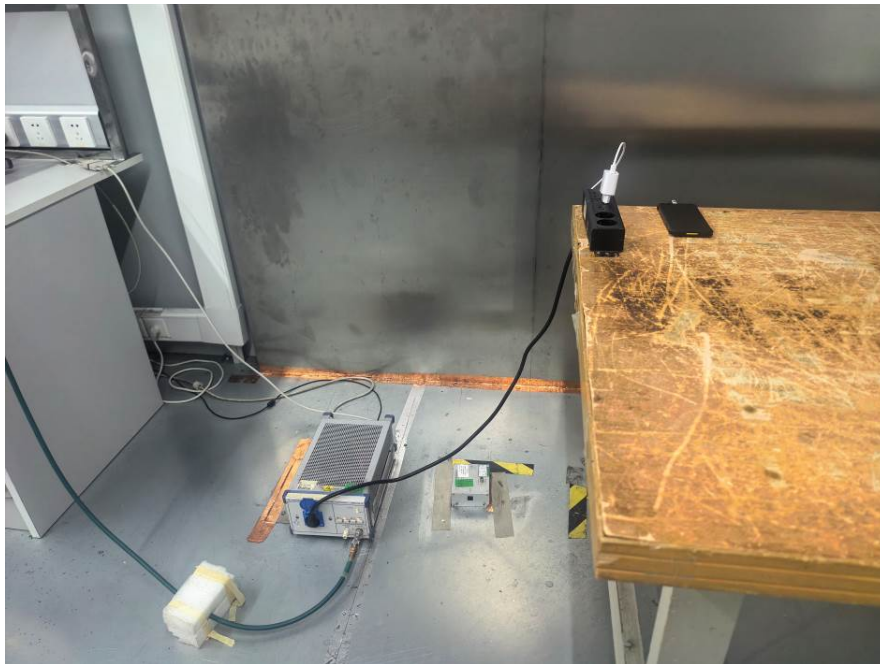
Radiated Disturbance - Front View (Above 1 GHz)



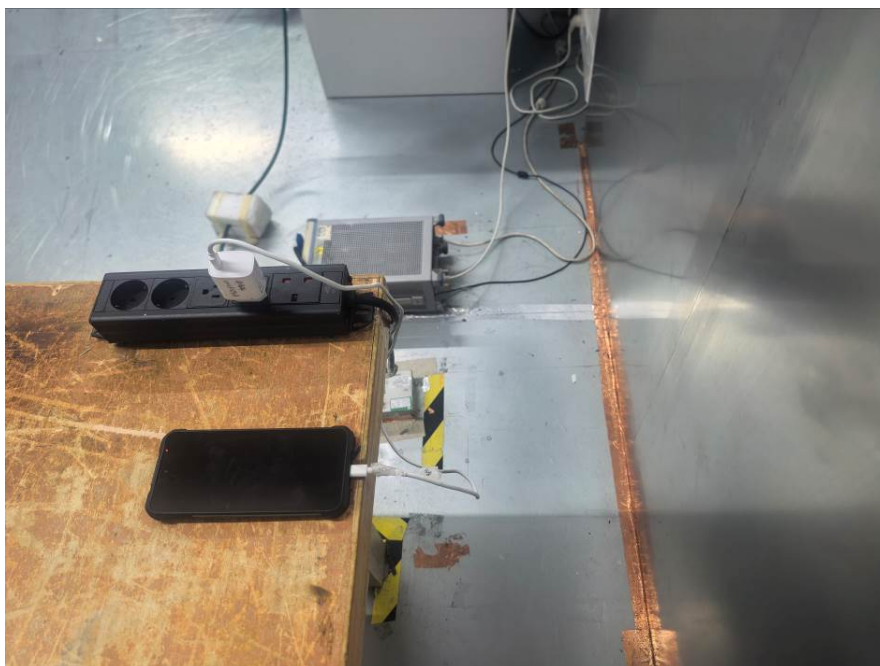
Radiated Disturbance - Rear View (Above 1 GHz)



Conducted Disturbance - Front View



Conducted Disturbance - Side View



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