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检测
TESTING
CNAS L6451



CE-EMC TEST REPORT

Applicant	:	XGIMI Technology Co., Ltd
Address of Applicant	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Manufacturer	:	XGIMI Technology Co., Ltd
Address of Manufacturer	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Equipment under Test	:	Projector
Model No.	:	XR06B
Test Standard(s)	:	EN 55032:2015 EN 55032:2015/A11:2020 EN 55035:2017 EN 55035:2017/A11:2020 EN IEC 61000-3-2:2019 EN IEC 61000-3-2:2019/A1:2021 EN IEC 61000-3-2:2019/A2:2024 EN 61000-3-3:2013 EN 61000-3-3:2013/A1:2019 EN 61000-3-3:2013/A2:2021
Report No.	:	DDT-RE25111310-1E01
Issue Date	:	2025/12/12
Issued By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	XGIMI Technology Co., Ltd
Address	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Manufacturer	:	XGIMI Technology Co., Ltd
Address	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Equipment under Test	:	Projector
Model No.	:	XR06B

Test Standard Used:

EN 55032:2015, EN 55032:2015/A11:2020

EN 55035:2017, EN 55035:2017/A11:2020

EN IEC 61000-3-2:2019, EN IEC 61000-3-2:2019/A1:2021

EN IEC 61000-3-2:2019/A2:2024

EN 61000-3-3:2013, EN 61000-3-3:2013/A1:2019

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

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE25111310-1E01		
Date of Receipt:	2025/11/14	Date of Test:	2025/11/14-2025/11/22

Created: Eddie Liu	Reviewed: Caesar Peng	Approved: Damon Hu
		
2025/11/25	2025/12/11	2025/12/12

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2025/12/12	Damon Hu

1. Summary of Test Results

EMISSION (EMI)			
Description of Test Item	Standard	Result	Memo
Asymmetric mode conducted emissions	EN 55032:2015,EN 55032:2015/A11:2020	PASS	/
Conducted disturbance at mains terminals	EN 55032:2015,EN 55032:2015/A11:2020	PASS	/
Radiated Emissions	EN 55032:2015,EN 55032:2015/A11:2020	PASS	/
Harmonic Current Emissions Test	EN IEC 61000-3-2:2019,EN IEC 61000-3-2:2019/A1:2021,EN IEC 61000-3-2:2019/A2:2024	PASS	/
Voltage Fluctuations& Flicker Test	EN 61000-3-3:2013,EN 61000-3-3:2013/A1:2019,EN 61000-3-3:2013/A2:2021	PASS	/
Conducted Differential Voltage Emissions	EN 55032:2015,EN 55032:2015/A11:2020	N/A	Antenna port
IMMUNITY (EMS)			
Description of Test Item	Standard	Result	Memo
Electrostatic Discharge Test	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Continuous Radio Frequency Disturbances	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Electrical fast transients(EFT) test	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Surge	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Continuous Conducted Disturbances	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Power-Frequency Magnetic Fields	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Voltage Dips and Interruptions	EN 55035:2017,EN 55035:2017/A11:2020	PASS	/
Note: All tests were conducted in accordance with the manufacturer's requirements.			

Note 1: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

Note 2: For the EMI measurements have made the EUT operated in a mode producing the highest emission level, and attempted to vary the configuration of the EUT radiated the highest emission. For the EMS measurements have made the EUT operated in the most sensitive mode.

2. General Test Information

2.1. Description of EUT

EUT* Name	: Projector
Model Number	: XR06B
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: AC 100-240V, 50/60Hz
EUT Class (Only For EMI)	: Class A
Maximum Work Frequency	: > 108 MHz
Sample Number	: S25111310-001

Note 1: EUT is the abbreviation of equipment under test.

Note 2: “☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

Note 3: Equipment meeting Class A requirements may not offer adequate protection to broadcast services within a residential environment; The Class B requirements for equipment are intended to offer adequate protection to broadcast services within the residential environment. Equipment compliant with the class A requirements should have a warning notice in the user manual stating that it could cause radio interference. For example, Warning: Operation of this equipment in a residential environment could cause radio interference.

2.2. Primary function of EUT

Function	Description
☒ Display and display output functions	4k/60Hz
☒ Audio output function	Loudspeaker output, ARC output, OPT output
☒ Bluetooth	Bluetooth
☒ Networking functions	LAN
☒ Networking	LAN port, Wi-Fi

2.3. Port of EUT

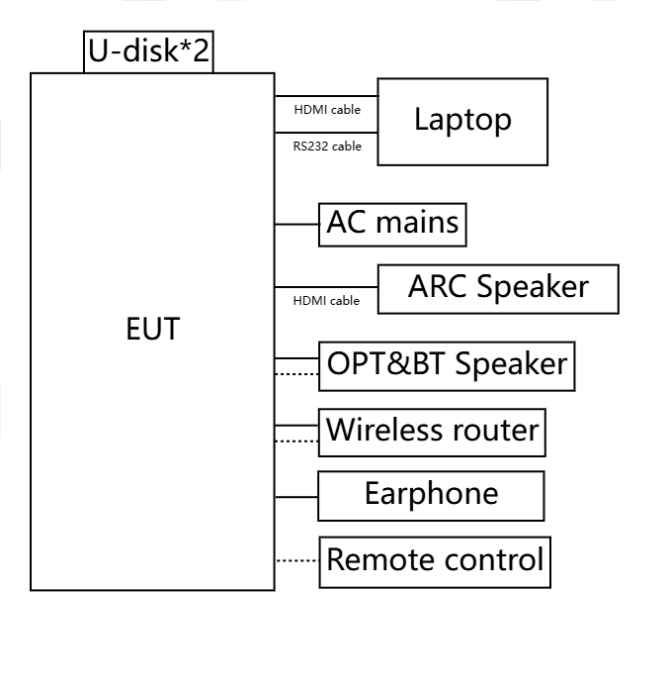
Port	Description
☒ Wired network port	LAN port
☒ Signal data/control port	USB port, OPT port, RS232 port
☒ Video input port	HDMI in port
☒ AC mains power port	AC mains power port
☒ Enclosure port	Enclosure port
☒ Audio output port	ARC output port, Earphone port, Loudspeaker port

2.4. Accessories of EUT

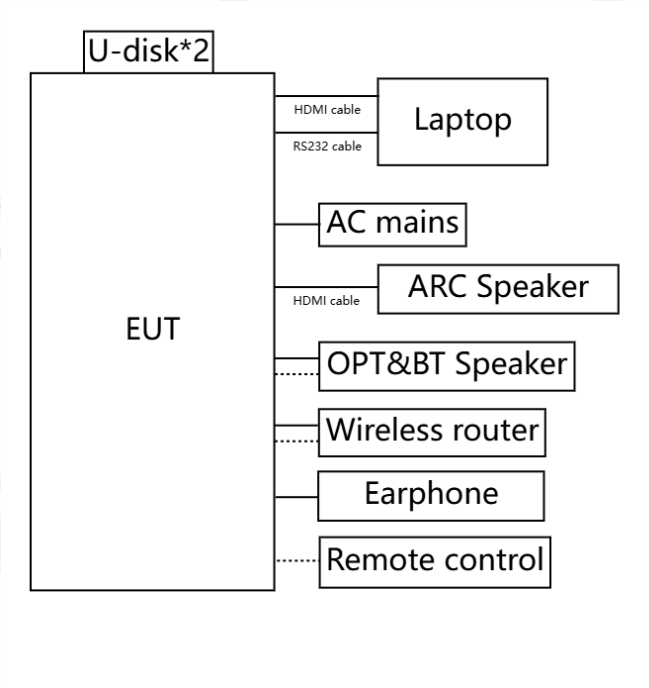
Accessories	Manufacturer	Model number	Description
Remote control	/	/	/

2.5. Block diagram EUT configuration for test

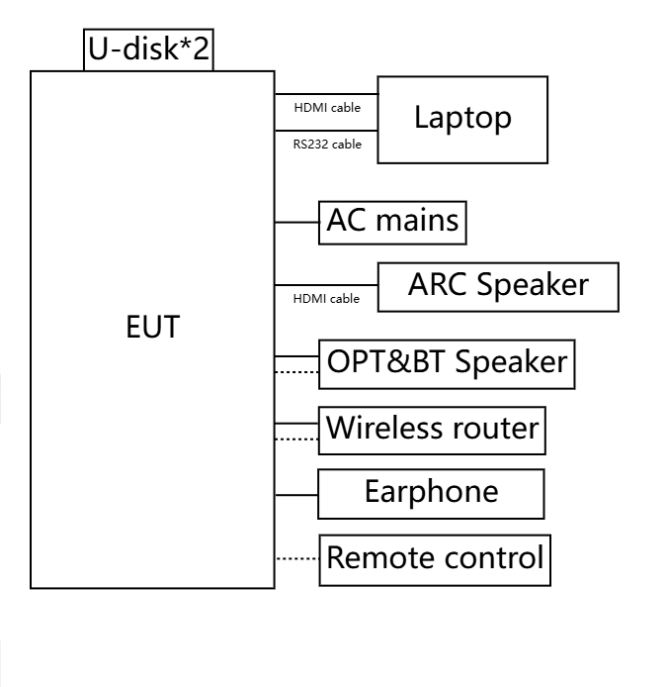
Mode 1:HDMI 1 in mode



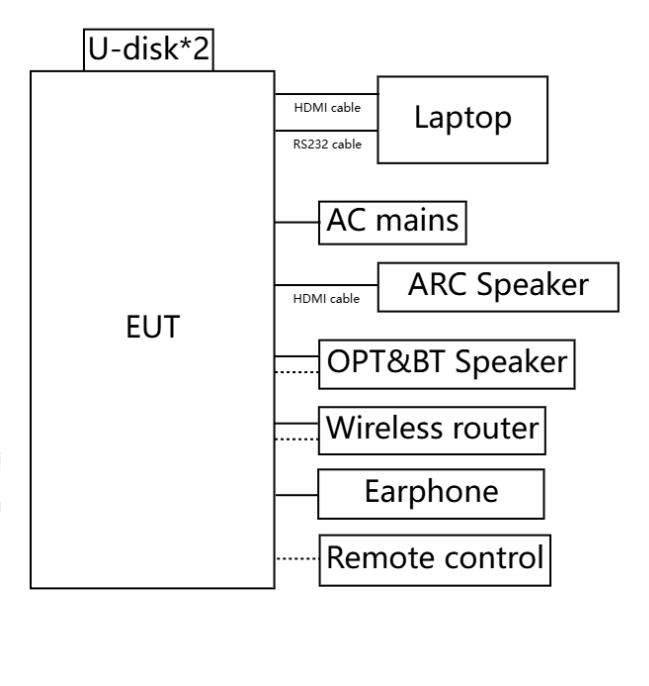
Mode 2:HDMI 2 in mode



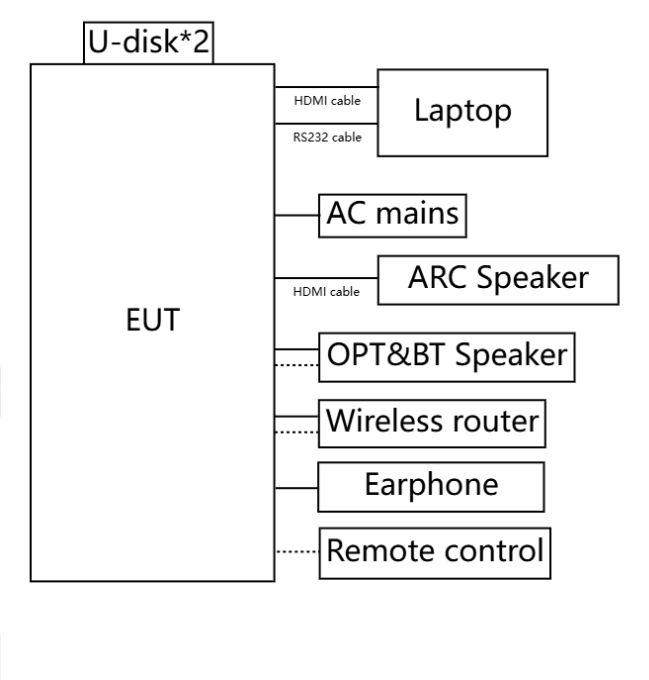
Mode 3:eARC mode



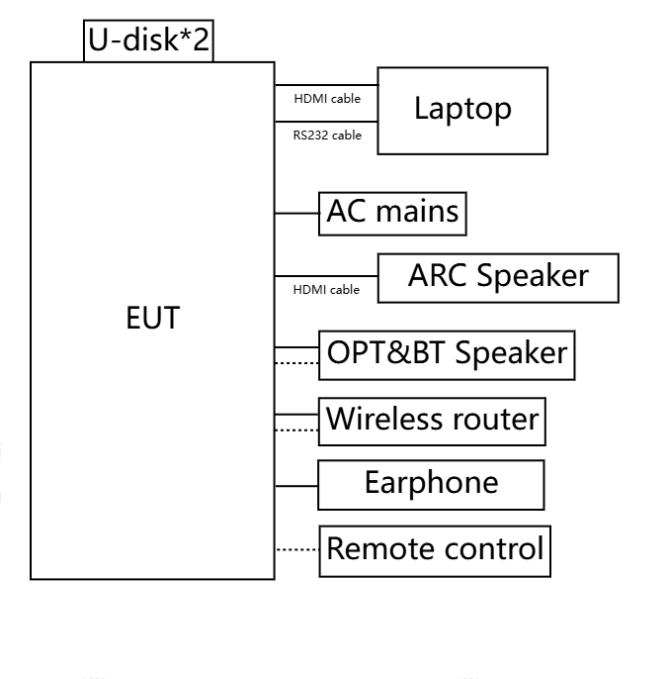
Mode 4:USB 3.0 mode



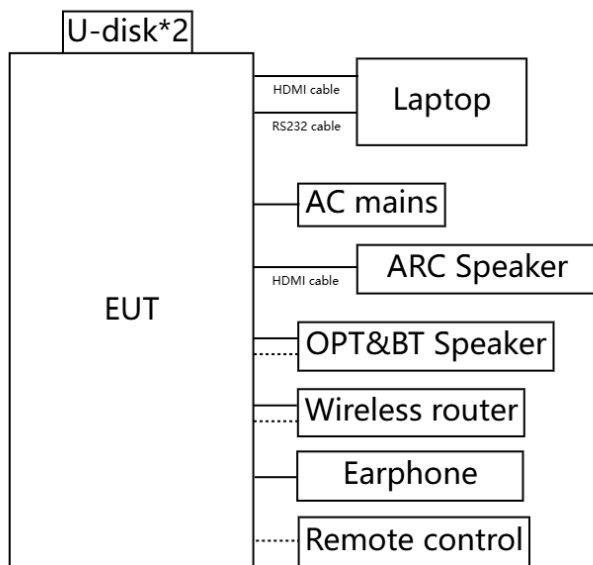
Mode 5:USB 2.0 mode



Mode 6:RS232 mode



Mode 7:LAN mode



2.6. Decision of final test mode

According pre-test, the worst test modes were reported as below.

Emission	Asymmetric mode conducted emissions	Mode 7: LAN mode
	Conducted disturbance at mains terminals	Mode 7: LAN mode
	Radiated Emissions	Mode 7: LAN mode
	Harmonic Current Emissions Test	Mode 1: HDMI 1 in mode
	Voltage Fluctuations& Flicker Test	Mode 1: HDMI 1 in mode
Immunity	Electrostatic Discharge Test	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode Mode 5: USB 2.0 mode Mode 7: LAN mode
	Continuous Radio Frequency Disturbances	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode Mode 5: USB 2.0 mode Mode 7: LAN mode
	Electrical fast transients(EFT) test	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode

		Mode 5: USB 2.0 mode Mode 7: LAN mode
	Surge	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode Mode 5: USB 2.0 mode Mode 7: LAN mode
	Continuous Conducted Disturbances	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode Mode 5: USB 2.0 mode Mode 7: LAN mode
	Power-Frequency Magnetic Fields	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode Mode 5: USB 2.0 mode Mode 7: LAN mode
	Voltage Dips and Interruptions	Mode 1: HDMI 1 in mode Mode 2: HDMI 2 in mode Mode 3: eARC mode Mode 4: USB 3.0 mode Mode 5: USB 2.0 mode Mode 7: LAN mode

2.7. Deviations of test standard

No deviation

2.8. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	15-30°C
Humidity range:	25-75%
Pressure range:	86-106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.9. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.10. Measurement uncertainty

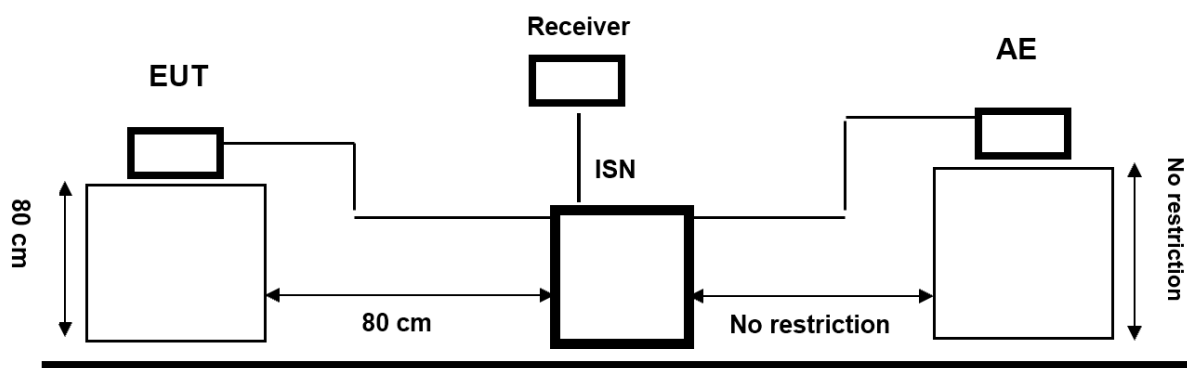
Test Item	Uncertainty
Conducted disturbance at mains terminals	1#: 3.72dB (9 kHz to 150 kHz), 3.34dB (150 kHz to 30 MHz)
	2#: 3.75dB (9 kHz to 150 kHz), 3.39dB (150 kHz to 30 MHz)
	3#: 3.78dB (9 kHz to 150 kHz), 3.37dB (150 kHz to 30 MHz)
Uncertainty for telecommunication port conduction emission test	1#: AAN with aLCL = 55 ... 40 dBc: 3.64 dB AAN with aLCL = 65 ... 50 dBc: 4.08 dB AAN with aLCL = 75 ... 60 dBc: 4.56 dB
	2#: AAN with aLCL = 55 ... 40 dBc: 3.82 dB AAN with aLCL = 65 ... 50 dBc: 3.96 dB AAN with aLCL = 75 ... 60 dBc: 4.12 dB
Uncertainty for radiation emission test (30 MHz-1 GHz)	1#: 4.94 dB (Antenna Polarize: V) 4.68 dB (Antenna Polarize: H)
	2#: 4.94 dB (Antenna Polarize: V) 4.68 dB (Antenna Polarize: H)
	3#: 4.96 dB (Antenna Polarize: V) 4.98 dB (Antenna Polarize: H)
	10m: 4.48 dB (Antenna Polarize: V) 4.64 dB (Antenna Polarize: H)
Uncertainty for radiation disturbance test (1 GHz to 6 GHz)	1#: 4.10 dB (1-6 GHz)
	3#: 4.54 dB (1-6 GHz)
Uncertainty for Flicker test	0.2%
Uncertainty for Harmonic test	5%
Uncertainty for Electrostatic discharge	Rise time: 4% Peak current: 3.1% Current at 30 ns: 3.1% Current at 60 ns: 3.1%
Uncertainty for Surge	Peak of the open-circuit voltage impulse: 3% Front time of the open-circuit voltage impulse: 5% Width of the open-circuit voltage impulse: 5% Peak of the short-circuit current impulse: 2.7% Front time of the short-circuit current impulse: 5% Duration of the short-circuit current impulse: 3%
Uncertainty for Electrical fast transients	Voltage rise time: 3.7% Peak voltage value: 3.4% Voltage pulse width: 3.7%
Uncertainty for Continuous conducted disturbances	0.25dB
Uncertainty for Continuous radio frequency disturbances	1.12dB
Uncertainty for Power-frequency magnetic fields	10%
Uncertainty for Voltage dips and interruptions	3.7%
Temperature	0.4 °C
Humidity	2%
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Asymmetric mode conducted emissions

3.1. Test equipment

Equipment	Manufacturer	Model No.	Equipment No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC01297	2026/07/06
Two Line V-Network	R&S	ENV216	DDT-ZC02059	2026/07/06
Two Line V-Network	R&S	ENV216	DDT-ZC02056	2026/07/06
Three-phase artificial power network	SCHWARZBEC K	NSLK 8163	DDT-ZC01572	2026/07/06
Pulse Limiter	SCHWARZBEC K	VTSD 9561	DDT-ZC02128	2026/07/06
RF Cable	Yuhu Technology	Z806-NJ-NJ-6M	DDT-ZC02004	2026/07/06
2-Wire ISN	SCHWARZBEC K	NTFM 8131	DDT-ZC01008	2026/07/06
Impedance Stablisation Network	Schwarzbeck	ISN S1	DDT-ZC00986	2026/07/06
Impedance Stablisation Network	Schwarzbeck	ISN S8	DDT-ZC00987	2026/07/06
8Line ISN	R&S	ENY81	DDT-ZC00542	2026/07/06
Impedance Stablisation Network	TESEQ	T8-Cat6	DDT-ZC02057	2026/07/06

3.2. Block diagram of test setup



EUT means Equipment Under Test

AE means Associated Equipment.

3.3. Limits

Class A				
Frequency			Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz	~	500 kHz	97 ~ 87*	84 ~ 74*
500 kHz	~	30 MHz	87	74
Class B				
Frequency			Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz	~	500 kHz	84 ~ 74*	74 ~ 64*
500 kHz	~	30 MHz	74	64
Notes:				
1. * Decreasing linearly with logarithm of frequency.				
2. The lower limit shall apply at the transition frequencies.				

3.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Speaker	JBL	JBL GO	/	/
USB Flash	Kingston	DT101 G2	/	/
Speaker	N/A	Bar 2.0	/	/
Earphone	N/A	N/A	/	/
Router	Mi	R4A	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/

3.5. Test procedure

The EUT was placed on a 0.8m high non-metallic table in shielded room.

Connect ISN directly to reference ground plane.

The measured voltage at the measurement port of the ISN should correct the reading by adding the voltage division factor of the ISN, and compare to the voltage limit.

1. For broadcast receiver tuner ports (only applies limits of Class B):

- For EUTs that support audio signals, the signal used to exercise the EUT shall be a 1 kHz sinusoidal signal unless otherwise specified as more appropriate by the manufacturer.
- EUTs that display video images or EUTs with ports that are used to provide video signals shall be exercised in accordance with Table B.1 and configured, where possible, using the parameters given in Table B.2. (Table B.1 and B.2 see to standard EN 55032)

Video ports shall output signals, and images shall be displayed, corresponding to the highest complexity level listed in Table B.1 that the EUT is capable of generating. However, the manufacturer may choose to exercise the displays and video ports using the text image given in Table B.1 (Complexity level 2) where emission levels using this text image are not reduced in comparison to emission levels obtained using Complexity levels 3 or 4.

2. For Local Area Network (LAN) device, if ports supporting Ethernet traffic (for example 100Base-T, 1000Base-T), that can operate at multiple rates, measurements may be limited to mode in which the EUT operates at its maximum rate.

When assessing an EUT transmitting 10Base-T Ethernet traffic, apply the following:

In order to make reliable emission measurements representative of high LAN utilization it is only necessary to create a condition of LAN utilization in excess of 10 % and sustain that level for a minimum of 250 ms. The content of the test traffic should consist of both periodic and pseudo-

random messages in order to emulate realistic types of data transmission (e.g. random: files compressed or encrypted; periodic: uncompressed graphic files, memory dumps, screen updates, disk images). If the LAN maintains transmission during idle periods measurements shall also be made during idle periods.

When disturbance voltage measurements are performed on a single unscreened balanced pair, an adequate ISN for two wires shall be used; when performed on unscreened cables containing two balanced pairs, an adequate ISN for four wires shall be used.

3. Antenna port all other ports not defined above:

A representative signal shall be defined by the manufacturer.

3.6. Test result

Pass. (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

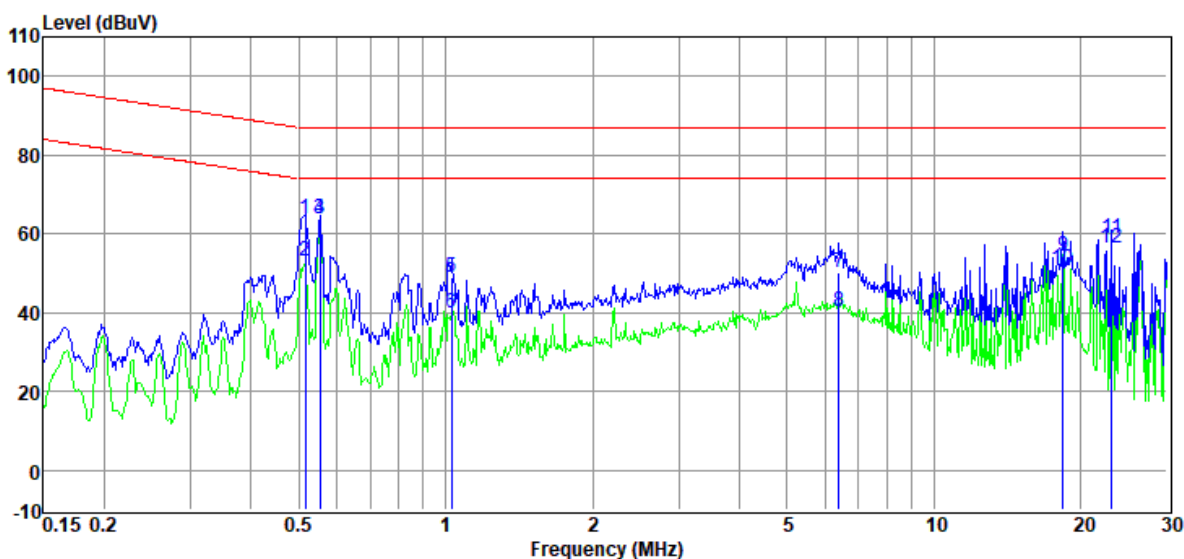
Note 2: "----" means Peak detection; "----" means Average detection.

3.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2025 CE report data\Q25111310-1E\1122 CE-T.EM6
Test Date : 2025-11-22 Tested By : Yisheng Ling
Power Supply : AC 240V/50Hz Test Mode : LAN mode
Condition : TEMP:20.9°C, RH:35% ISN : 2025 ENY81/
Memo : S25111310-001; 100Base-T

Data: 22



Item	Freq.	Read Level	ISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)	
1	0.52	43.31	10.52	0.09	9.89	63.81	87.00	23.19	QP
2	0.52	32.47	10.52	0.09	9.89	52.97	74.00	21.03	Average
3	0.55	43.31	10.51	0.10	9.89	63.81	87.00	23.19	QP
4	0.55	43.46	10.51	0.10	9.89	63.96	74.00	10.04	Average
5	1.03	28.58	10.43	0.15	9.90	49.06	87.00	37.94	QP
6	1.03	19.26	10.43	0.15	9.90	39.74	74.00	34.26	Average
7	6.39	30.48	9.73	0.21	9.85	50.27	87.00	36.73	QP
8	6.39	20.60	9.73	0.21	9.85	40.39	74.00	33.61	Average
9	18.37	34.39	9.56	0.39	9.94	54.28	87.00	32.72	QP
10	18.37	31.30	9.56	0.39	9.94	51.19	74.00	22.81	Average
11	23.07	38.84	9.70	0.42	9.96	58.92	87.00	28.08	QP
12	23.07	36.46	9.70	0.42	9.96	56.54	74.00	17.46	Average

Note:

1. Result Level = Read Level + ISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

3.8. Test photo



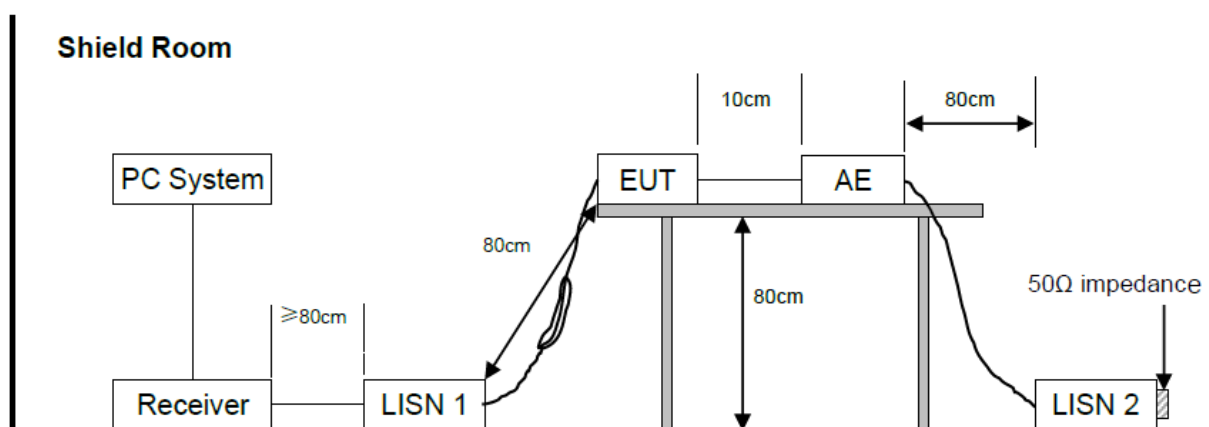
4. Conducted disturbance at mains terminals

4.1. Test equipment

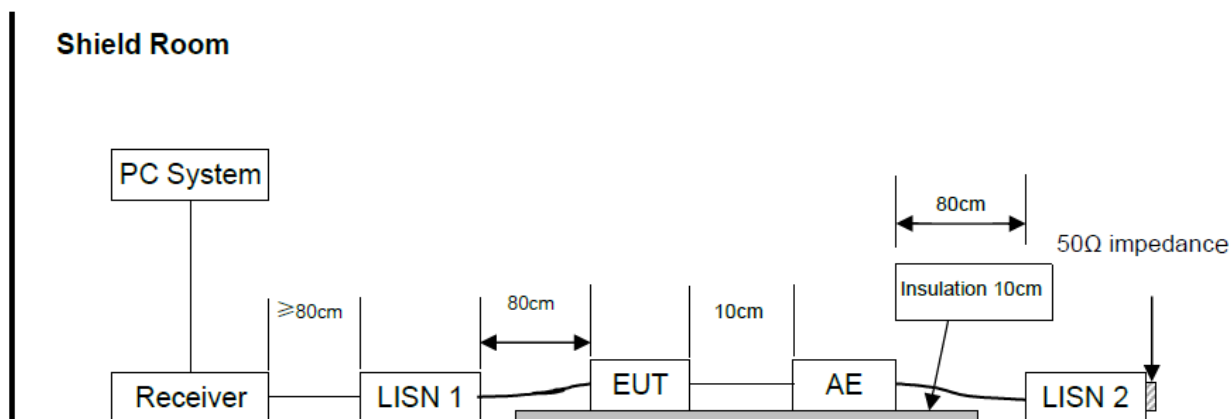
Equipment	Manufacturer	Model No.	Equipment No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2026/07/06
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2026/07/06
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2026/07/06
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2026/07/06
Conducted Radiated Software	Audix	e3	DDT-ZC00562	/
Two-line V-shaped artificial network	ROHDE&SCHWARZ	ENV216	DDT-ZC05693	2026/11/04

4.2. Block diagram of test setup

For table-top equipment



For floor standing equipment



[illegible]

Class A:		
Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
150 kHz~500 kHz	79	66
500 kHz~30 MHz	73	60
Class B:		
Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Notes:

- * Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

Assistant equipment	Manufacturer	Model number	Description	other
Router	Mi	R4A	/	/
Speaker	JBL	JBL GO	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Speaker	N/A	Bar 2.0	/	/
Earphone	N/A	N/A	/	/
USB Flash	Kingston	DT101 G2	/	/

4.5. Test procedure

- (1) The EUT was placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor-stand device) above the ground plane.
- (2) Setup the EUT and assistant equipment as shown above block diagram and equipment list.
- (3) The EUT's power adapter was connected to the power mains through a line impedance stabilization network (L.I.S.N). which this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted disturbance. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to EN 55032 on conducted disturbance emission test.
- (4) The bandwidth of test receiver is set at 9 kHz.
- (5) The frequency range from 150 kHz to 30 MHz is checked.

4.6. Test result

Pass. (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

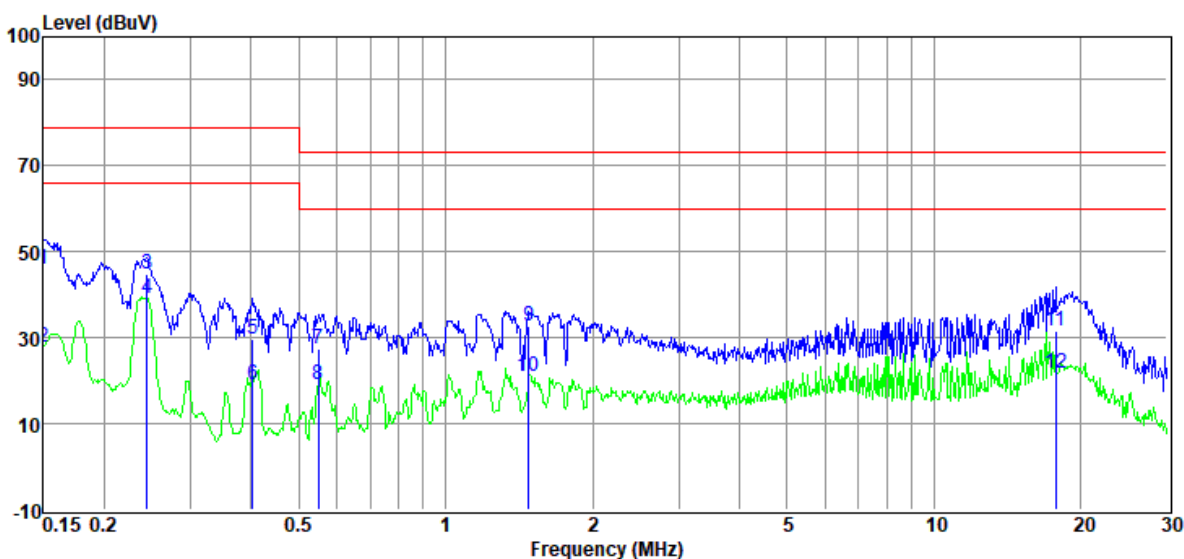
Note 2: "----" means Peak detection; "----" means Average detection.

4.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2025 CE report data\Q25111310-1E\1122 CE.EM6
Test Date : 2025-11-22 Tested By : Yisheng Ling
Power Supply : AC 240V/50Hz Test Mode : LAN mode
Condition : TEMP:20.9°C, RH:35% LISN : 2025 1# 216/LINE
Memo : S25111310-001

Data: 50



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	26.33	9.85	0.05	9.89	46.12	79.00	32.88	QP	LINE
2	0.15	7.96	9.85	0.05	9.89	27.75	66.00	38.25	Average	LINE
3	0.24	25.00	9.82	0.06	9.89	44.77	79.00	34.23	QP	LINE
4	0.24	19.43	9.82	0.06	9.89	39.20	66.00	26.80	Average	LINE
5	0.40	10.21	9.69	0.08	9.89	29.87	79.00	49.13	QP	LINE
6	0.40	-0.72	9.69	0.08	9.89	18.94	66.00	47.06	Average	LINE
7	0.55	7.54	9.86	0.10	9.89	27.39	73.00	45.61	QP	LINE
8	0.55	-0.72	9.86	0.10	9.89	19.13	60.00	40.87	Average	LINE
9	1.48	12.70	9.87	0.16	9.89	32.62	73.00	40.38	QP	LINE
10	1.48	1.00	9.87	0.16	9.89	20.92	60.00	39.08	Average	LINE
11	17.76	10.83	10.36	0.38	9.93	31.50	73.00	41.50	QP	LINE
12	17.76	1.00	10.36	0.38	9.93	21.67	60.00	38.33	Average	LINE

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2025 CE report data\Q25111310-1E\1122 CE.EM6

Test Date : 2025-11-22

Tested By : Yisheng Ling

Power Supply : AC 240V/50Hz

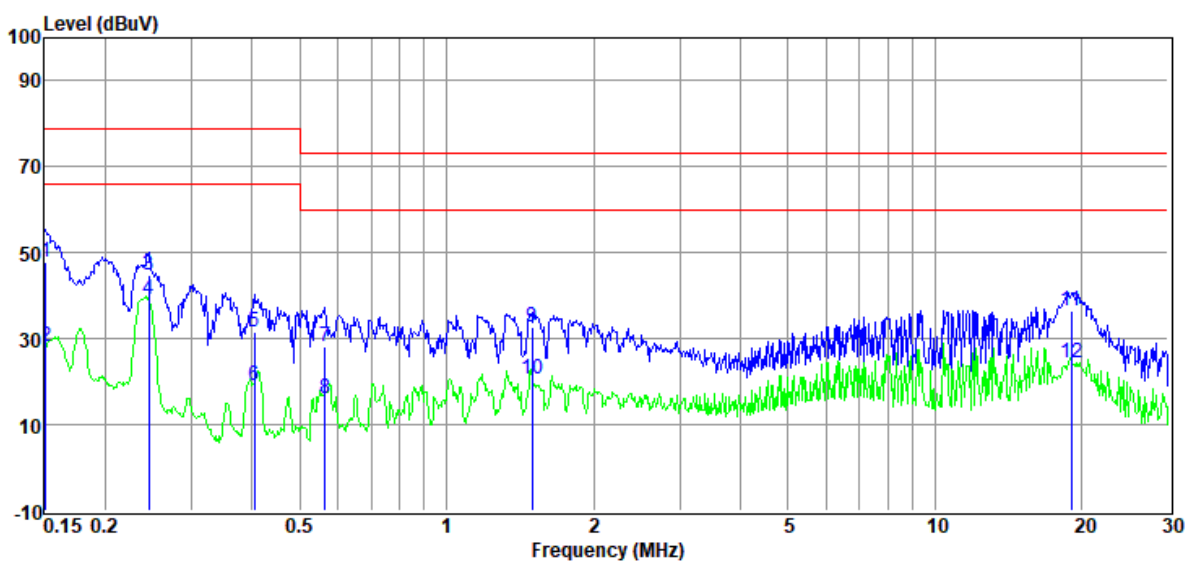
Test Mode : LAN mode

Condition : TEMP:20.9°C, RH:35%

LISN : 2025 1# 216/NEUTRAL

Memo : S25111310-001

Data: 52



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	28.13	9.77	0.05	9.89	47.84	79.00	31.16	QP	NEUTRAL
2	0.15	8.42	9.77	0.05	9.89	28.13	66.00	37.87	Average	NEUTRAL
3	0.25	25.17	9.84	0.06	9.89	44.96	79.00	34.04	QP	NEUTRAL
4	0.25	19.43	9.84	0.06	9.89	39.22	66.00	26.78	Average	NEUTRAL
5	0.40	11.78	9.80	0.08	9.89	31.55	79.00	47.45	QP	NEUTRAL
6	0.40	-0.48	9.80	0.08	9.89	19.29	66.00	46.71	Average	NEUTRAL
7	0.56	8.20	9.89	0.10	9.89	28.08	73.00	44.92	QP	NEUTRAL
8	0.56	-3.61	9.89	0.10	9.89	16.27	60.00	43.73	Average	NEUTRAL
9	1.50	12.81	9.84	0.16	9.89	32.70	73.00	40.30	QP	NEUTRAL
10	1.50	0.55	9.84	0.16	9.89	20.44	60.00	39.56	Average	NEUTRAL
11	19.02	15.80	10.48	0.40	9.94	36.62	73.00	36.38	QP	NEUTRAL
12	19.02	3.71	10.48	0.40	9.94	24.53	60.00	35.47	Average	NEUTRAL

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2025 CE report data\Q25111310-1E\1122 CE.EM6

Test Date : 2025-11-22

Tested By : Yisheng Ling

Power Supply : AC 120V/60Hz

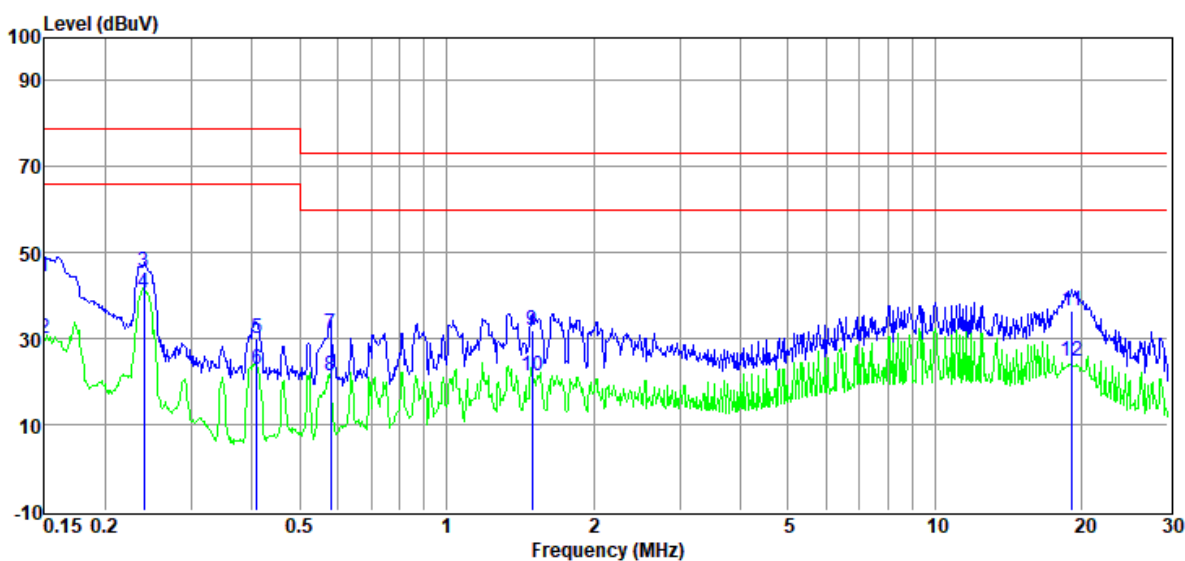
Test Mode : LAN mode

Condition : TEMP:20.9°C, RH:35%

LISN : 2025 1# 216/NEUTRAL

Memo : S25111310-001

Data: 54



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	24.86	9.77	0.05	9.89	44.57	79.00	34.43	QP	NEUTRAL
2	0.15	10.22	9.77	0.05	9.89	29.93	66.00	36.07	Average	NEUTRAL
3	0.24	25.60	9.84	0.06	9.89	45.39	79.00	33.61	QP	NEUTRAL
4	0.24	20.98	9.84	0.06	9.89	40.77	66.00	25.23	Average	NEUTRAL
5	0.41	10.35	9.81	0.08	9.89	30.13	79.00	48.87	QP	NEUTRAL
6	0.41	3.24	9.81	0.08	9.89	23.02	66.00	42.98	Average	NEUTRAL
7	0.58	11.25	9.89	0.10	9.89	31.13	73.00	41.87	QP	NEUTRAL
8	0.58	1.34	9.89	0.10	9.89	21.22	60.00	38.78	Average	NEUTRAL
9	1.50	11.96	9.84	0.16	9.89	31.85	73.00	41.15	QP	NEUTRAL
10	1.50	1.32	9.84	0.16	9.89	21.21	60.00	38.79	Average	NEUTRAL
11	19.12	15.64	10.48	0.40	9.94	36.46	73.00	36.54	QP	NEUTRAL
12	19.12	3.85	10.48	0.40	9.94	24.67	60.00	35.33	Average	NEUTRAL

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2025 CE report data\Q25111310-1E\1122 CE.EM6

Test Date : 2025-11-22

Tested By : Yisheng Ling

Power Supply : AC 120V/60Hz

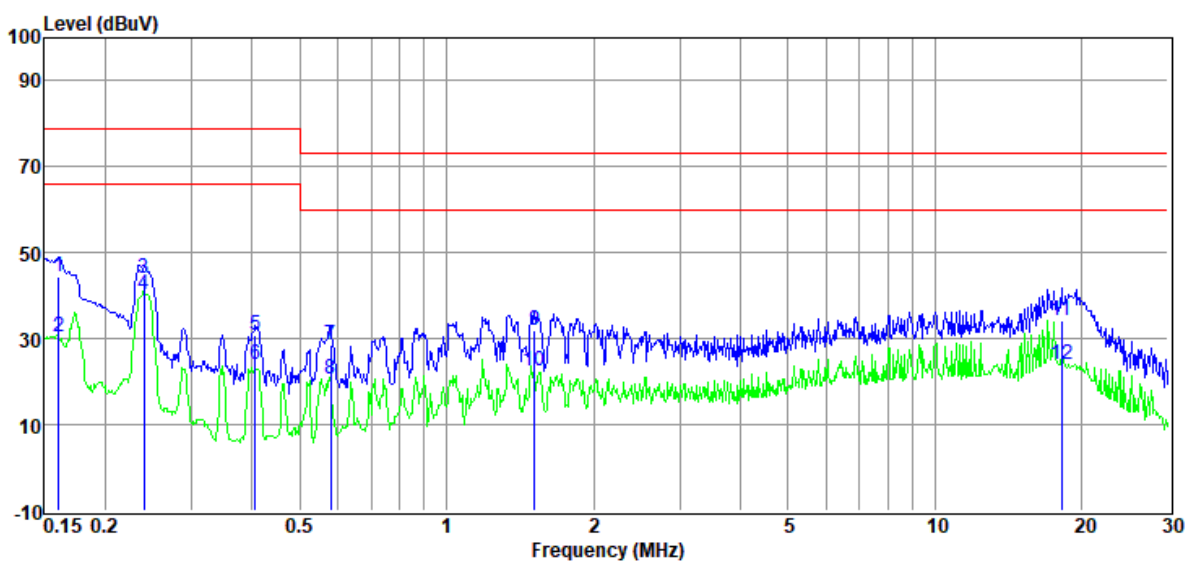
Test Mode : LAN mode

Condition : TEMP:20.9°C, RH:35%

LISN : 2025 1# 216/LINE

Memo : S25111310-001

Data: 56



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.16	24.77	9.84	0.05	9.89	44.55	79.00	34.45	QP	LINE
2	0.16	10.55	9.84	0.05	9.89	30.33	66.00	35.67	Average	LINE
3	0.24	24.43	9.82	0.06	9.89	44.20	79.00	34.80	QP	LINE
4	0.24	20.60	9.82	0.06	9.89	40.37	66.00	25.63	Average	LINE
5	0.41	10.99	9.70	0.08	9.89	30.66	79.00	48.34	QP	LINE
6	0.41	4.44	9.70	0.08	9.89	24.11	66.00	41.89	Average	LINE
7	0.58	8.76	9.91	0.10	9.89	28.66	73.00	44.34	QP	LINE
8	0.58	0.79	9.91	0.10	9.89	20.69	60.00	39.31	Average	LINE
9	1.51	12.12	9.86	0.16	9.89	32.03	73.00	40.97	QP	LINE
10	1.51	2.50	9.86	0.16	9.89	22.41	60.00	37.59	Average	LINE
11	18.14	13.62	10.36	0.39	9.93	34.30	73.00	38.70	QP	LINE
12	18.14	3.52	10.36	0.39	9.93	24.20	60.00	35.80	Average	LINE

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

4.8. Test photo



5. Radiated Emissions

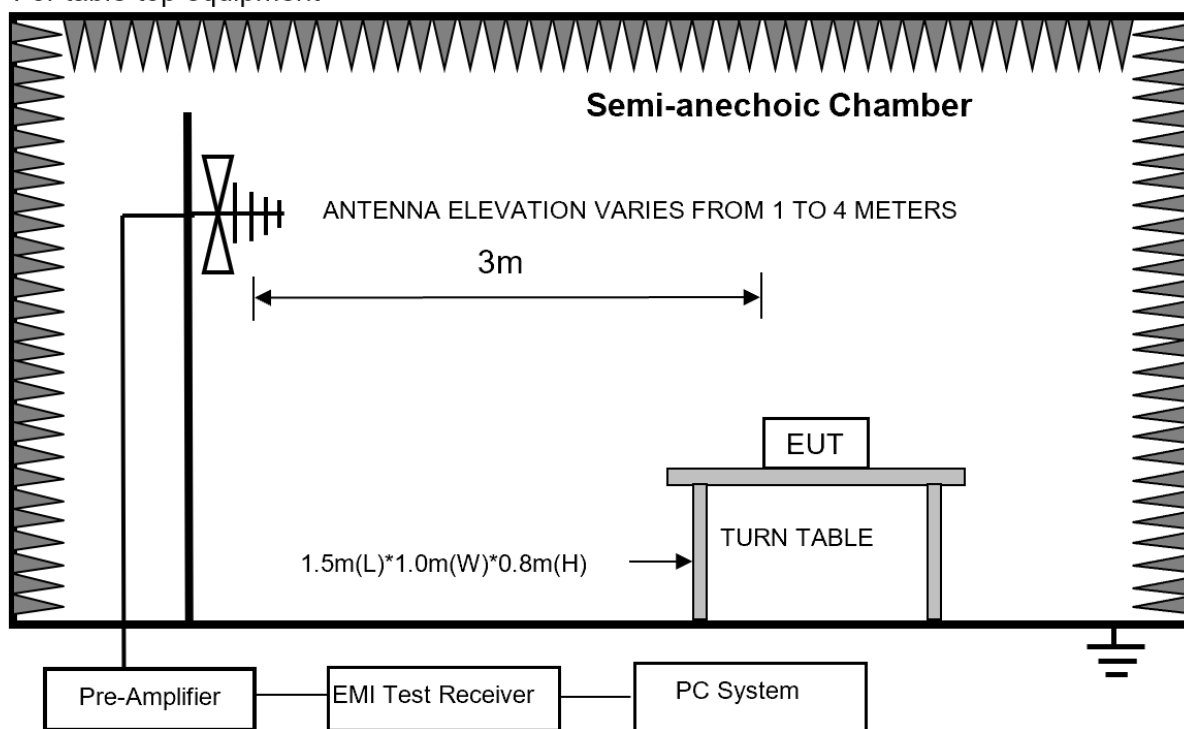
5.1. Test equipment

Equipment	Manufacturer	Model No.	Equipment No.	Cal Due To
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC00522	2026/07/22
RE Cable below 1GHz for 1#RE	R&S	ESU8/RF1	DDT-ZC00567	2026/07/06
EMI Test Software	Audix	e3	DDT-ZC01252	/
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
EMI Test Receiver	R&S	ESCI	DDT-ZC01297	2026/07/06
Spectrum Analyzer	Agilent	E4440A	DDT-ZC01445	2026/03/28
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
Horn Antenna	SCHWARZBECK	BBHA9120 D	DDT-ZC01218	2026/08/13
Preamplifier	COM-POWER	PAM-118A	DDT-ZC01489	2026/08/10
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
EMI Test Software	Audix	e3	DDT-ZC01252	/
RF cable	Zhongke Junchuang	JCTB810-NJ-NJ-7M	DDT-ZC02759	2026/07/22

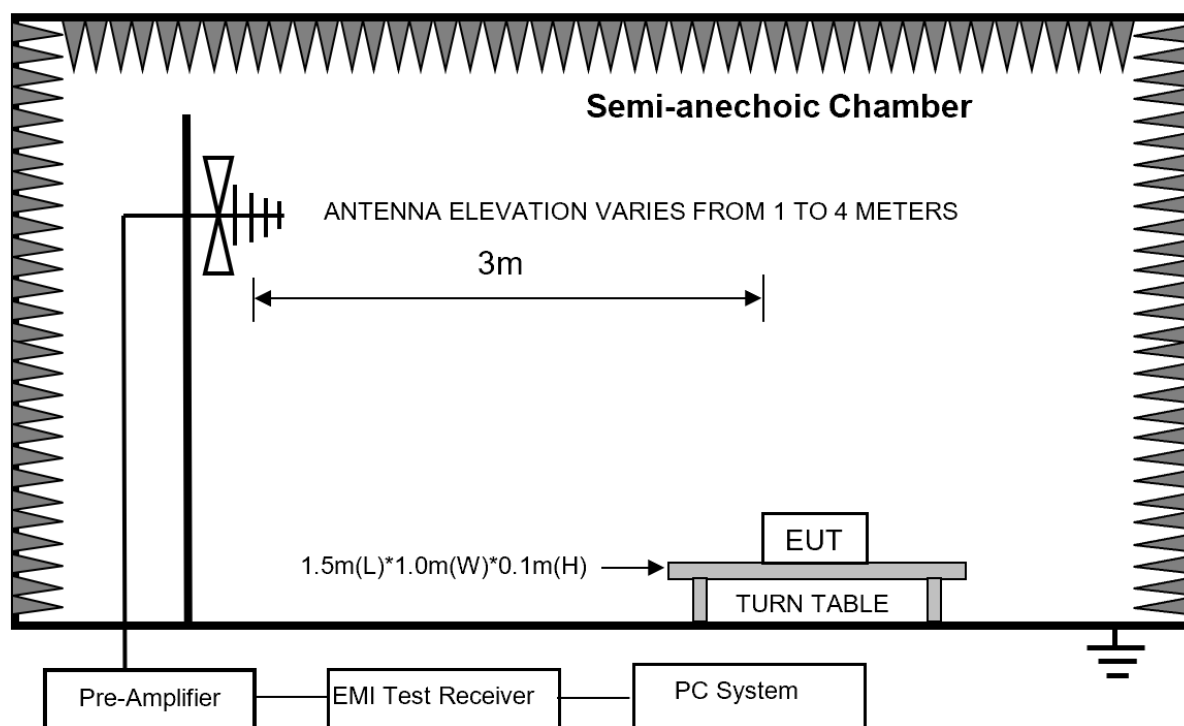
5.2. Block diagram of test setup

Below 1 GHz

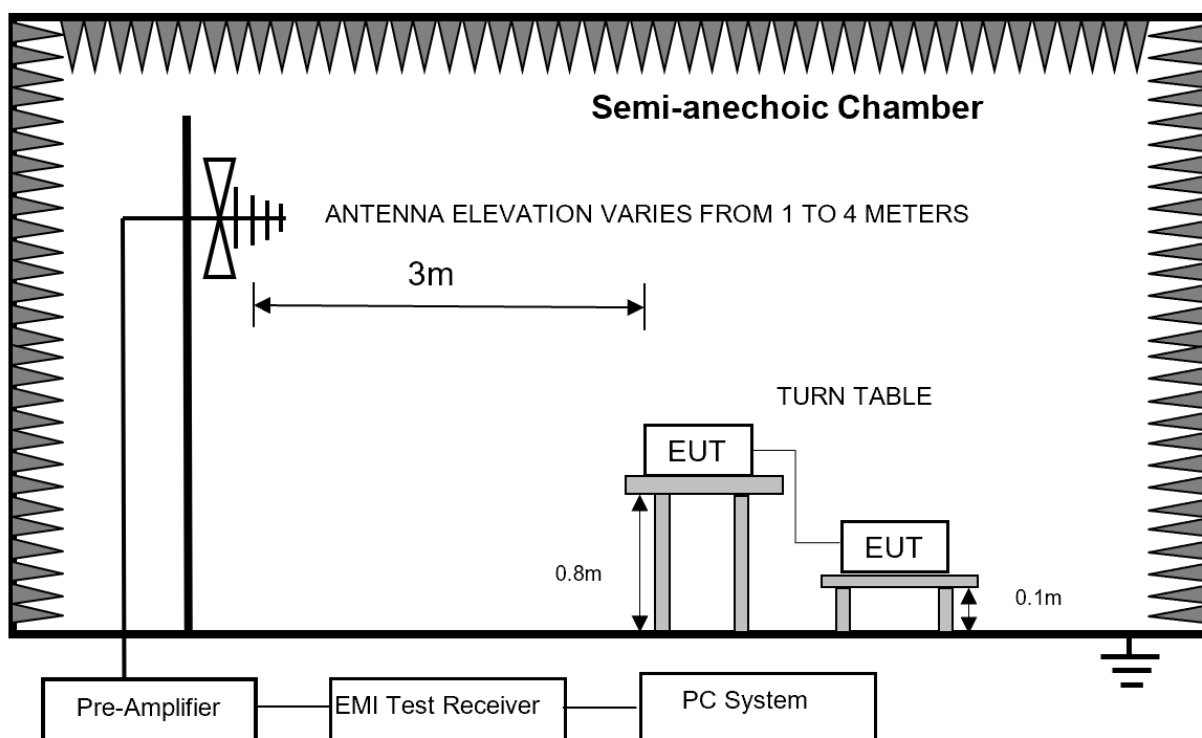
For table-top equipment



For floor standing equipment

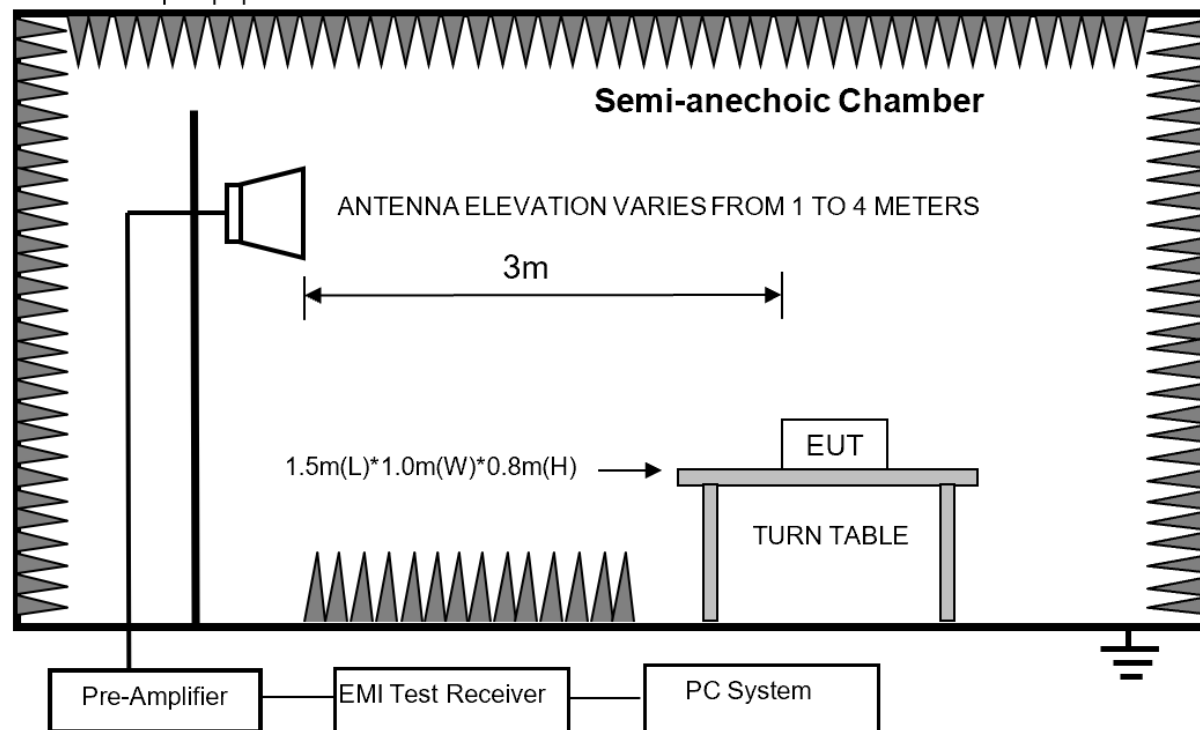


For combinations equipment

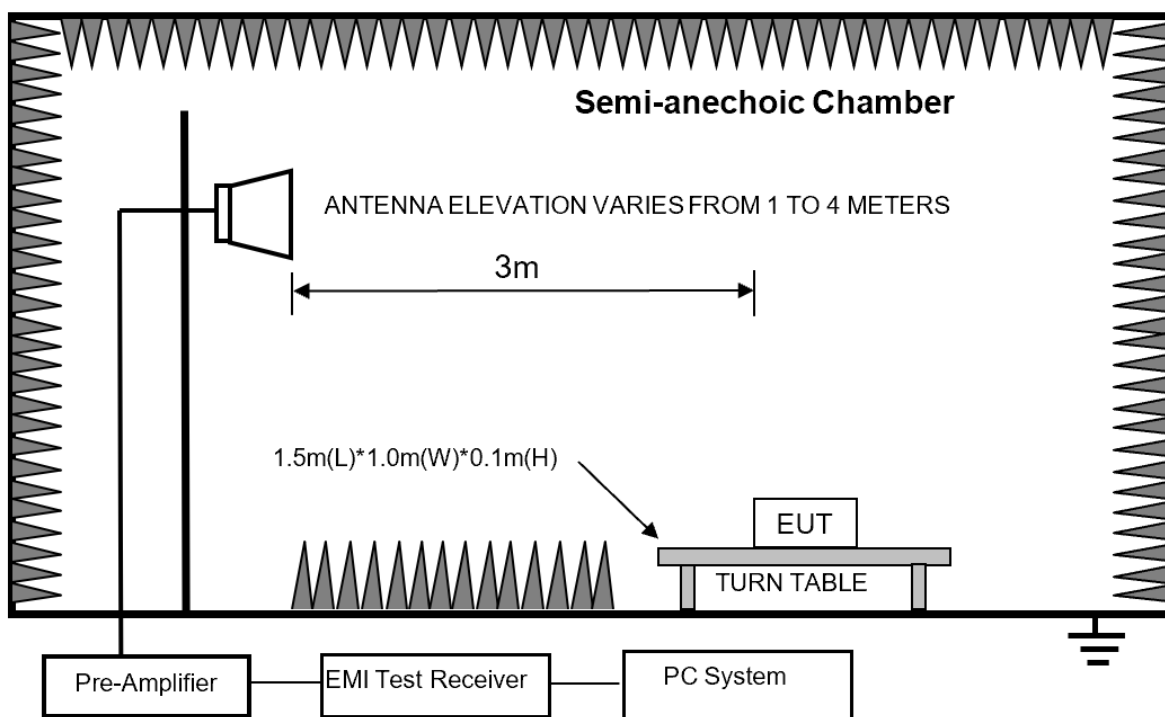


Above 1 GHz

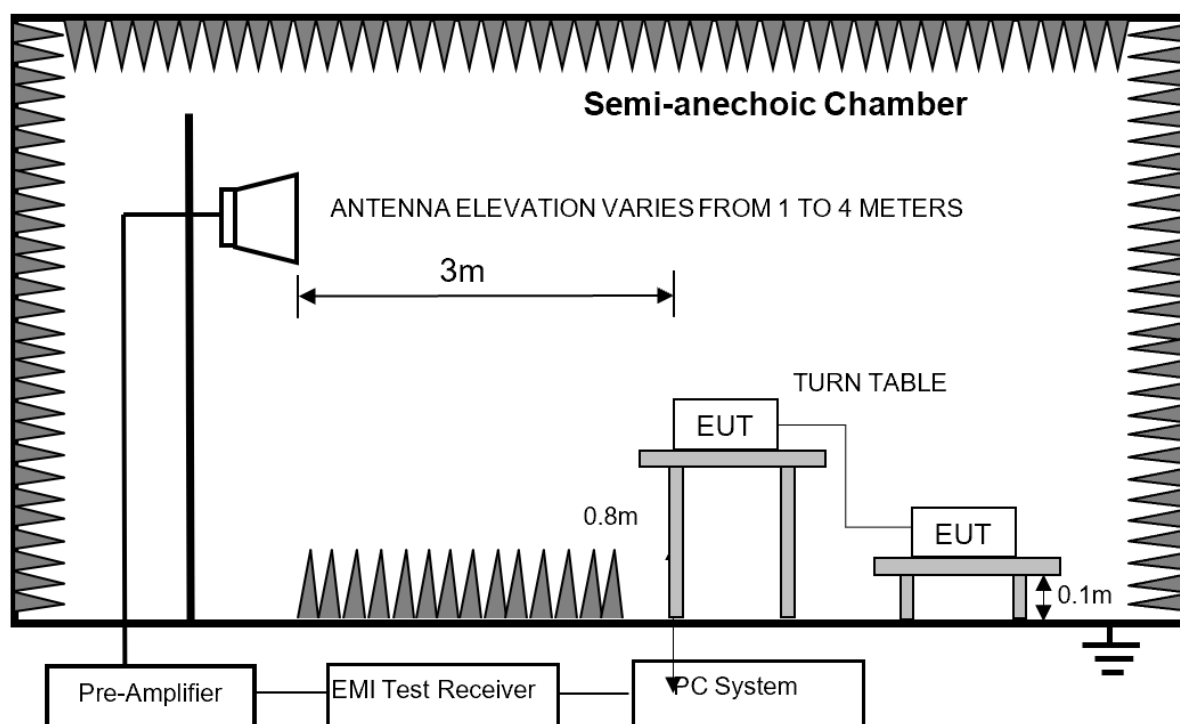
For table-top equipment



For floor standing equipment



For combinations equipment



5.3. Limits

Class A			
Equipment	Frequency	Field Strengths Limits at 10m measuring distance dB(μV)/m	Field Strengths Limits at 3m measuring distance dB(μV)/m
Class A Equipment	30 MHz to 230 MHz	40	50
	230 MHz to 1 GHz	47	57
	1 GHz to 3 GHz	/	Average:56; Peak:76
	3 GHz to 6 GHz	/	Average:60; Peak:80
Class B			
Equipment	Frequency	Field Strengths Limits at 10m measuring distance dB(μV)/m	Field Strengths Limits at 3m measuring distance dB(μV)/m
Class B Equipment	30 MHz to 230 MHz	30	40
	230 MHz to 1 GHz	37	47
	1 GHz to 3 GHz	/	Average:50; Peak:70
	3 GHz to 6 GHz	/	Average:54; Peak:74
FM receivers*	30 MHz to 1 GHz	Fundamental 50	Fundamental 60
	30 MHz to 300 MHz	Harmonics 42	Harmonics 52
	300 MHz to 1 GHz	Harmonics 46	Harmonics 56

*: These relaxed limits apply only to emission at the fundamental and harmonic frequencies of the local oscillator signals at all other frequencies shall be compliant with the limits of class B equipment given above.

Note:

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

(2) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

5.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
USB Flash	Kingston	DT101 G2	/	/
Speaker	JBL	JBL GO	/	/
Speaker	Edifier	R1280DBs	/	/
Router	Mi	R4A	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Earphone	N/A	N/A	/	/
Speaker	N/A	Bar 2.0	/	/

5.5. Test procedure

- (1) The EUT was placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor-stand device) above the ground plane inside a semi-anechoic chamber.
- (2) Test antenna center was located 3m or 10m from the EUT and assistant equipment boundary (imaginary circular periphery) on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to EN 55032 on radiated emission test.
- (3) Spectrum frequency from 30 MHz to 6 GHz was investigated.
- (4) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to EN 55032 on Radiated Emission test.
- (5) For emissions from 30 MHz to 1 GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.
- (6) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz VBW is set at 3 MHz.

5.6. Test result

Pass. (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

Note 2: "----" means Peak detection.

5.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 1#

D:\2025 RE 1# Report data\Q25111310-1E\1119 RE.EM6

Test Date : 2025-11-19

Tested By : Li guilin

Power Supply : AC 240V/50Hz

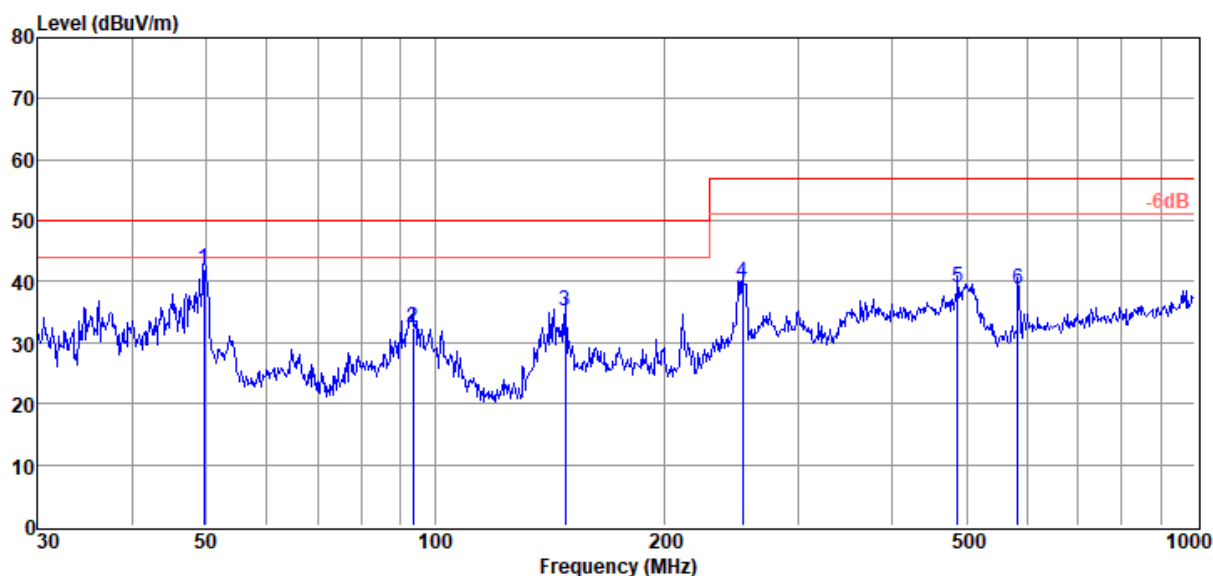
Test Mode : LAN mode

Condition : Temp:22.9°C ,Humi:70.7%

Antenna/Distance : 2025 9163 1#/3m/VERTICAL

Memo : S25111310-001

Data: 21



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	49.71	24.44	13.87	3.76	42.07	50.00	7.93	QP	VERTICAL
2	93.44	17.99	10.25	4.10	32.34	50.00	17.66	QP	VERTICAL
3	148.44	22.05	8.54	4.49	35.08	50.00	14.92	QP	VERTICAL
4	253.84	22.43	12.48	5.03	39.94	57.00	17.06	QP	VERTICAL
5	487.32	16.12	16.79	5.99	38.90	57.00	18.10	QP	VERTICAL
6	584.79	14.22	18.22	6.30	38.74	57.00	18.26	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

Test Date

: 2025-11-19

Power Supply

: AC 240V/50Hz

Condition

: Temp:22.9°C ,Humi:70.7%

Memo

: S25111310-001

D:\2025 RE 1# Report data\Q25111310-1E\1119 RE.EM6

Tested By

: Li guilin

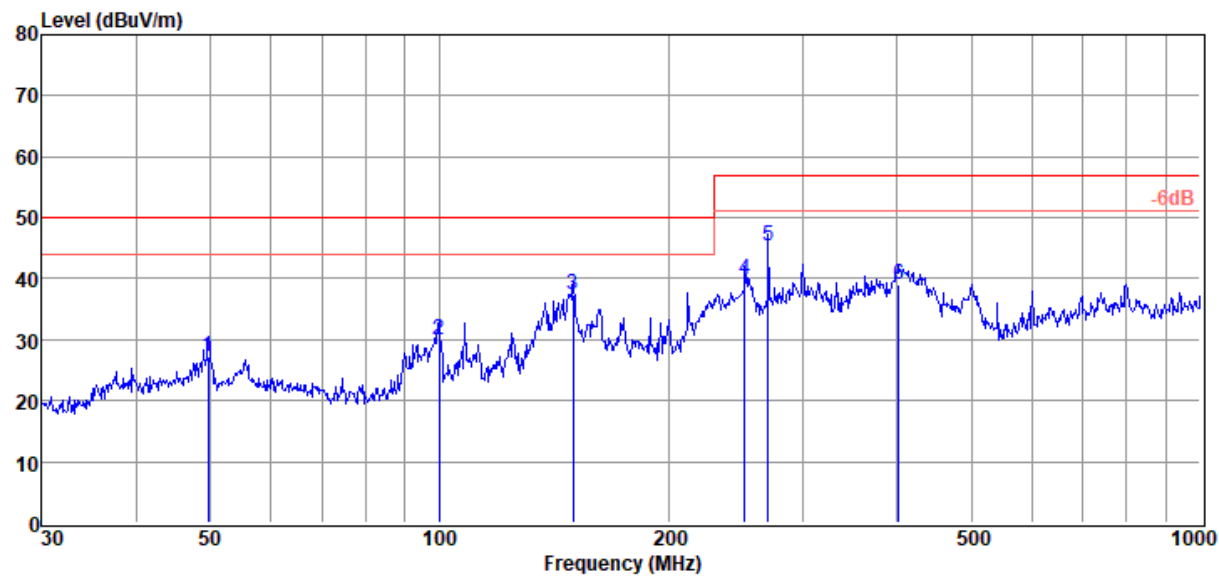
Test Mode

: LAN mode

Antenna/Distance

: 2025 9163 1#/3m/HORIZONTAL

Data: 22



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	49.71	9.55	13.87	3.76	27.18	50.00	22.82	QP	HORIZONTAL
2	99.88	14.07	11.70	4.15	29.92	50.00	20.08	QP	HORIZONTAL
3	150.01	24.65	8.11	4.50	37.26	50.00	12.74	QP	HORIZONTAL
4	252.06	22.50	12.44	5.02	39.96	57.00	17.04	QP	HORIZONTAL
5	270.38	27.19	12.94	5.11	45.24	57.00	11.76	QP	HORIZONTAL
6	401.84	17.75	15.57	5.69	39.01	57.00	17.99	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

Test Date

: 2025-11-19

Power Supply

: AC 120V/60Hz

Condition

: Temp:22.9°C ,Humi:70.7%

Memo

: S25111310-001

D:\2025 RE 1# Report data\Q25111310-1E\1119 RE.EM6

Tested By

: Li guilin

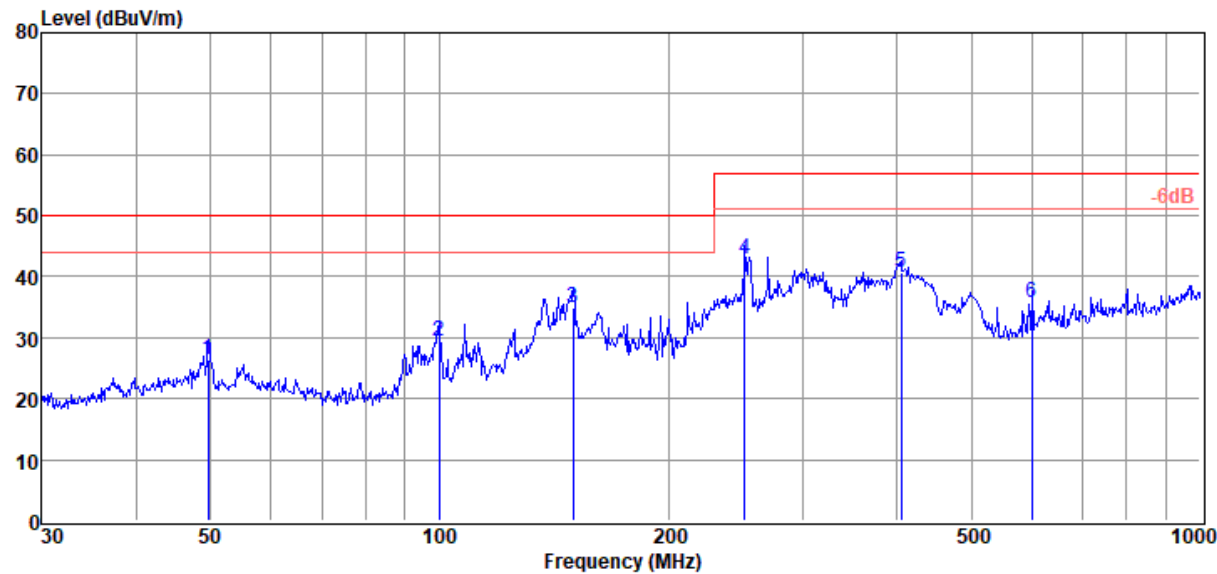
Test Mode

: LAN mode

Antenna/Distance

: 2025 9163 1#/3m/HORIZONTAL

Data: 23



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	49.71	8.64	13.87	3.76	26.27	50.00	23.73	QP	HORIZONTAL
2	99.88	13.62	11.70	4.15	29.47	50.00	20.53	QP	HORIZONTAL
3	150.01	22.36	8.11	4.50	34.97	50.00	15.03	QP	HORIZONTAL
4	252.06	25.52	12.44	5.02	42.98	57.00	14.02	QP	HORIZONTAL
5	404.67	19.98	15.06	5.70	40.74	57.00	16.26	QP	HORIZONTAL
6	601.43	10.59	18.79	6.35	35.73	57.00	21.27	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

Test Date

: 2025-11-19

Power Supply

: AC 120V/60Hz

Condition

: Temp:22.9°C ,Humi:70.7%

Memo

: S25111310-001

D:\2025 RE 1# Report data\Q25111310-1E\1119 RE.EM6

Tested By

: Li guilin

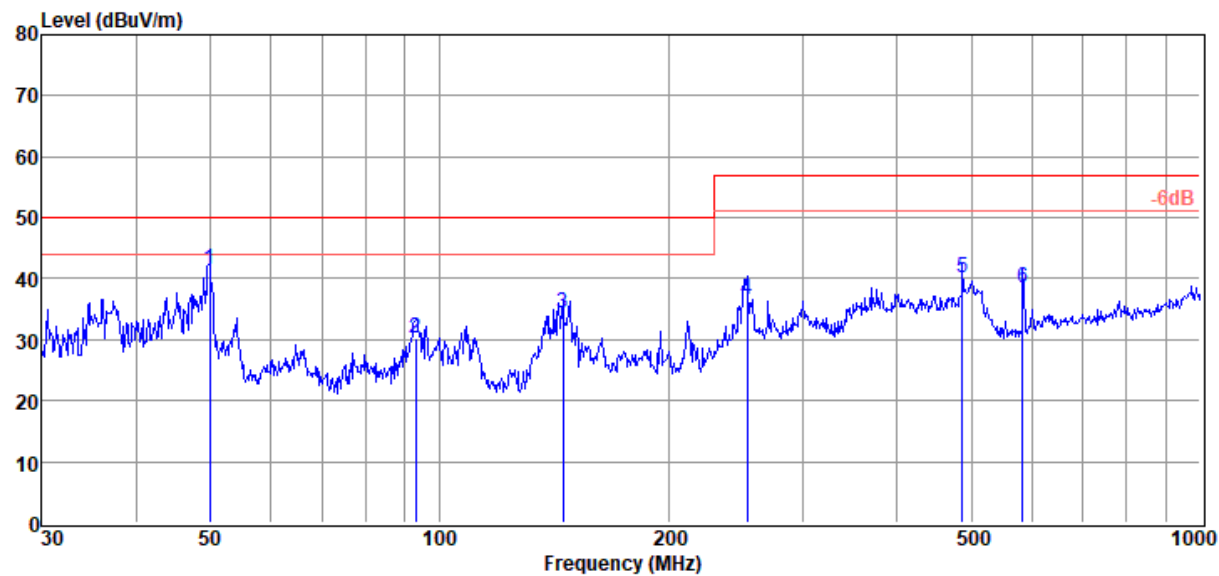
Test Mode

: LAN mode

Antenna/Distance

: 2025 9163 1#/3m/VERTICAL

Data: 24



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	49.88	23.86	13.89	3.76	41.51	50.00	8.49	QP	VERTICAL
2	93.11	16.16	9.99	4.10	30.25	50.00	19.75	QP	VERTICAL
3	145.35	21.22	8.73	4.47	34.42	50.00	15.58	QP	VERTICAL
4	253.84	18.96	12.48	5.03	36.47	57.00	20.53	QP	VERTICAL
5	487.32	17.44	16.79	5.99	40.22	57.00	16.78	QP	VERTICAL
6	584.79	13.88	18.22	6.30	38.40	57.00	18.60	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

D:\2025 RE 1# Report data\Q25111310-1E\1120 RE-H.EM6

Test Date

: 2025-11-20

Tested By

: Li guilin

Power Supply

: AC 240V/50Hz

Test Mode

: LAN mode

Condition

: Temp:19.4°C,Humi:32.3%

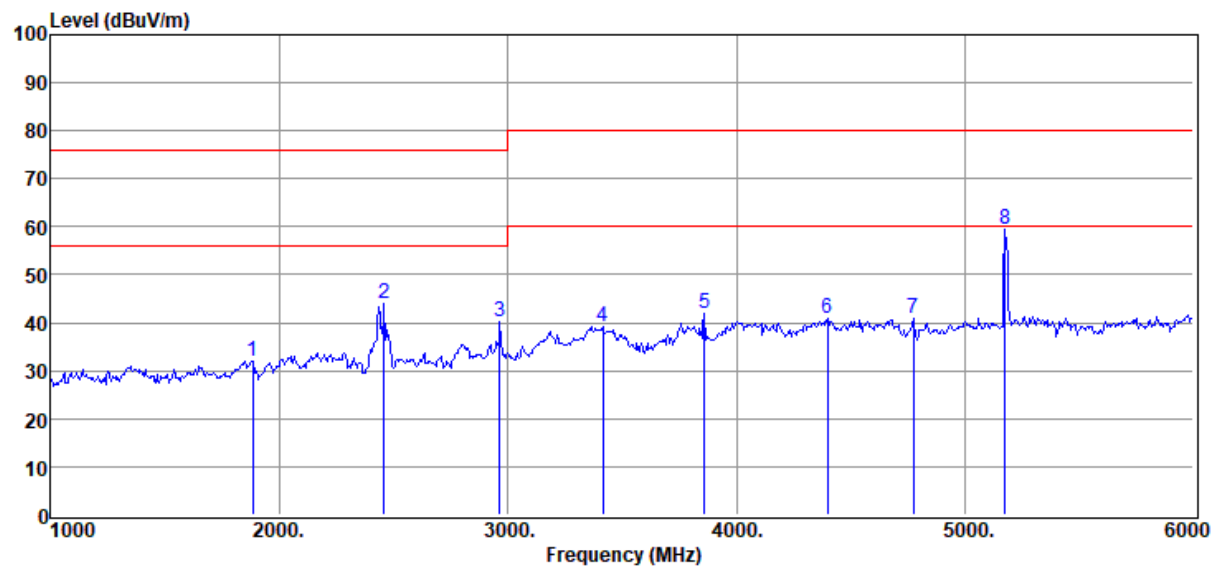
Antenna/Distance

: 2025 9120D 1#/3m/
VERTICAL

Memo

: S25111310-001

Data: 21



Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. According to standard requirements, the radio carrier and harmonic frequencies of the samples are not included in the test results.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

Test Date

: 2025-11-20

Power Supply

: AC 240V/50Hz

Condition

: Temp:19.4°C,Humi:32.3%

Memo

: S25111310-001

D:\2025 RE 1# Report data\Q25111310-1E\1120 RE-H.EM6

Tested By

: Li guilin

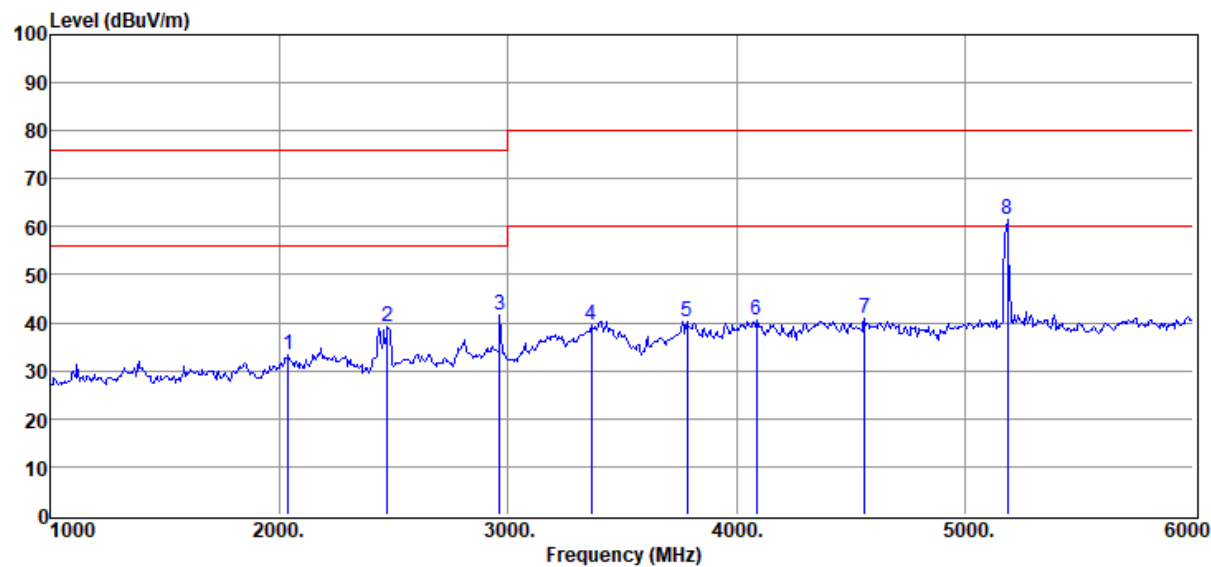
Test Mode

: LAN mode

Antenna/Distance

: 2025 9120D 1#/3m/
HORIZONTAL

Data: 22



Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. According to standard requirements, the radio carrier and harmonic frequencies of the samples are not included in the test results.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

D:\2025 RE 1# Report data\Q25111310-1E\1120 RE-H.EM6

Test Date

: 2025-11-20

Tested By

: Li guilin

Power Supply

: AC 120V/60Hz

Test Mode

: LAN mode

Condition

: Temp:19.4°C,Humi:32.3%

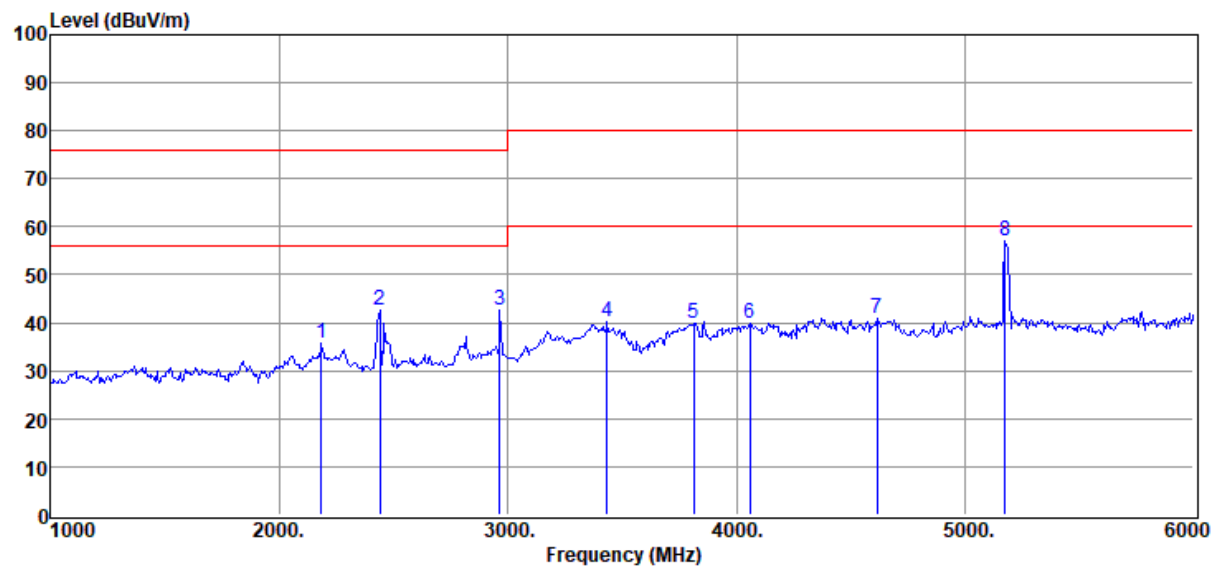
Antenna/Distance

: 2025 9120D 1#/3m/
HORIZONTAL

Memo

: S25111310-001

Data: 23



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	2185.00	56.69	27.20	53.08	4.96	35.77	76.00	40.23	Peak	HORIZONTAL
2	2440.00	62.61	27.76	53.06	5.17	42.48	76.00	33.52	Peak	HORIZONTAL
3	2965.00	61.54	28.44	53.00	5.60	42.58	76.00	33.42	Peak	HORIZONTAL
4	3435.00	58.61	28.68	53.26	6.02	40.05	80.00	39.95	Peak	HORIZONTAL
5	3815.00	56.91	30.13	53.49	6.36	39.91	80.00	40.09	Peak	HORIZONTAL
6	4060.00	56.96	30.04	53.58	6.55	39.97	80.00	40.03	Peak	HORIZONTAL
7	4615.00	56.21	31.15	53.35	6.82	40.83	80.00	39.17	Peak	HORIZONTAL
8	5175.00	71.01	32.30	53.43	7.12	57.00	Carrier Frequency			HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. According to standard requirements, the radio carrier and harmonic frequencies of the samples are not included in the test results.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

Test Date

: 2025-11-20

Power Supply

: AC 120V/60Hz

Condition

: Temp:19.4°C,Humi:32.3%

Memo

: S25111310-001

D:\2025 RE 1# Report data\Q25111310-1E\1120 RE-H.EM6

Tested By

: Li guilin

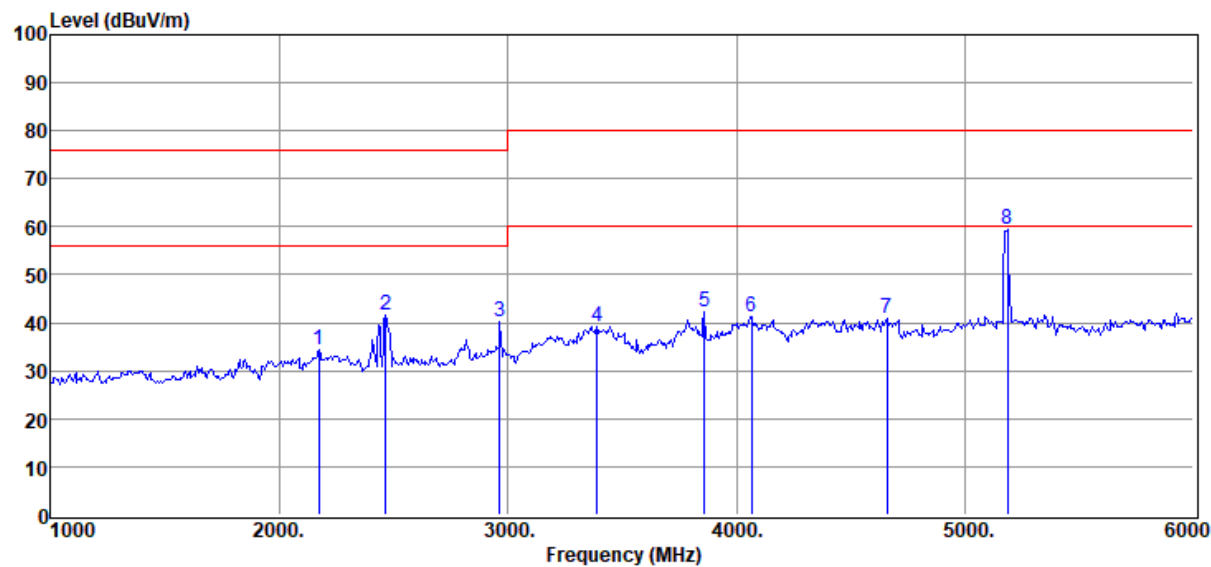
Test Mode

: LAN mode

Antenna/Distance

: 2025 9120D 1#/3m/
VERTICAL

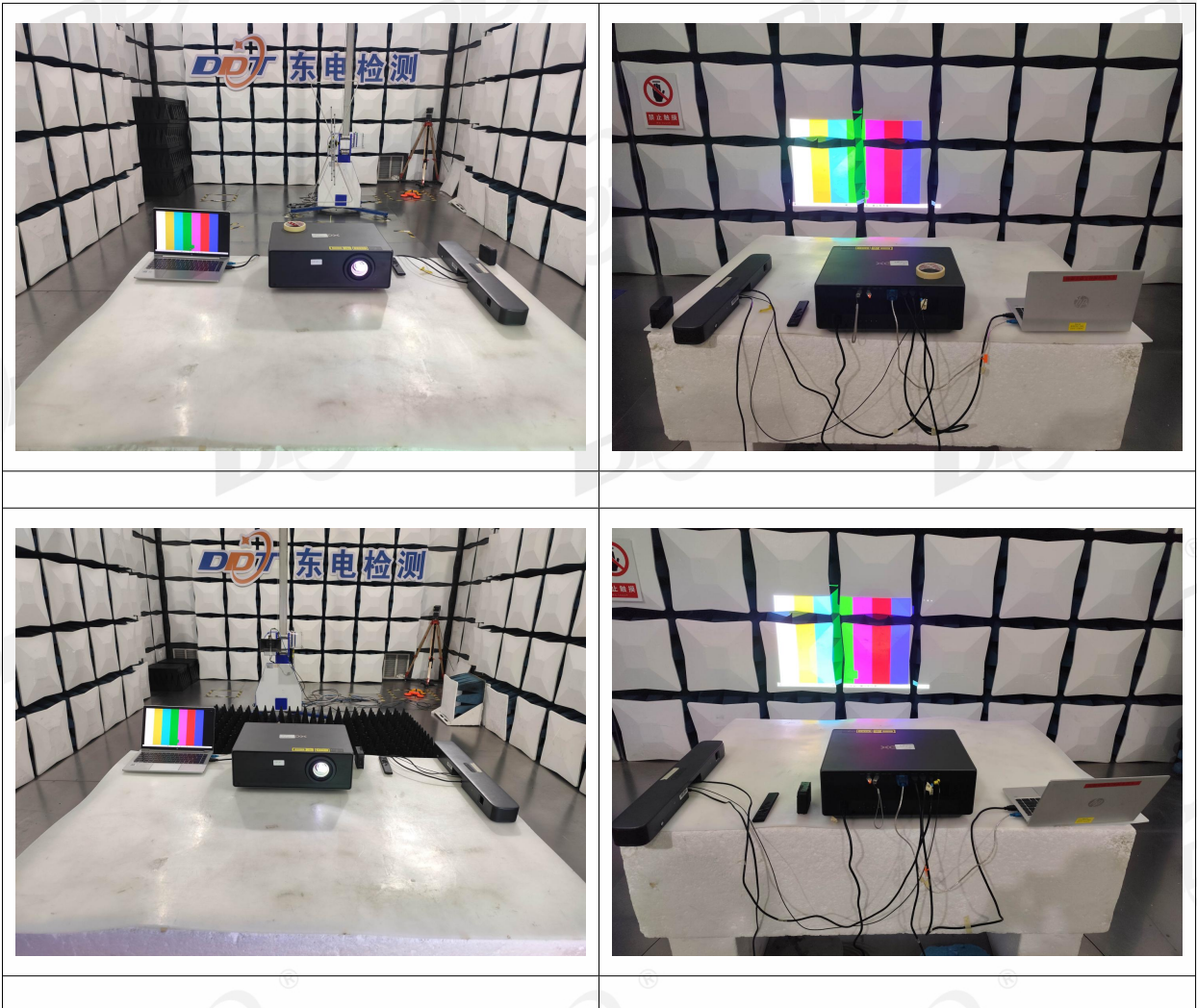
Data: 24



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	2175.00	55.16	27.20	53.08	4.95	34.23	76.00	41.77	Peak	VERTICAL
2	2465.00	61.80	27.62	53.05	5.19	41.56	76.00	34.44	Peak	VERTICAL
3	2965.00	59.20	28.44	53.00	5.60	40.24	76.00	35.76	Peak	VERTICAL
4	3390.00	57.86	28.54	53.23	5.98	39.15	80.00	40.85	Peak	VERTICAL
5	3860.00	59.28	30.14	53.52	6.40	42.30	80.00	37.70	Peak	VERTICAL
6	4065.00	58.28	30.06	53.57	6.55	41.32	80.00	38.68	Peak	VERTICAL
7	4660.00	55.89	31.38	53.34	6.84	40.77	80.00	39.23	Peak	VERTICAL
8	5185.00	73.19	32.42	53.44	7.13	59.30	Carrier Frequency			VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. According to standard requirements, the radio carrier and harmonic frequencies of the samples are not included in the test results.

5.8. Test photo



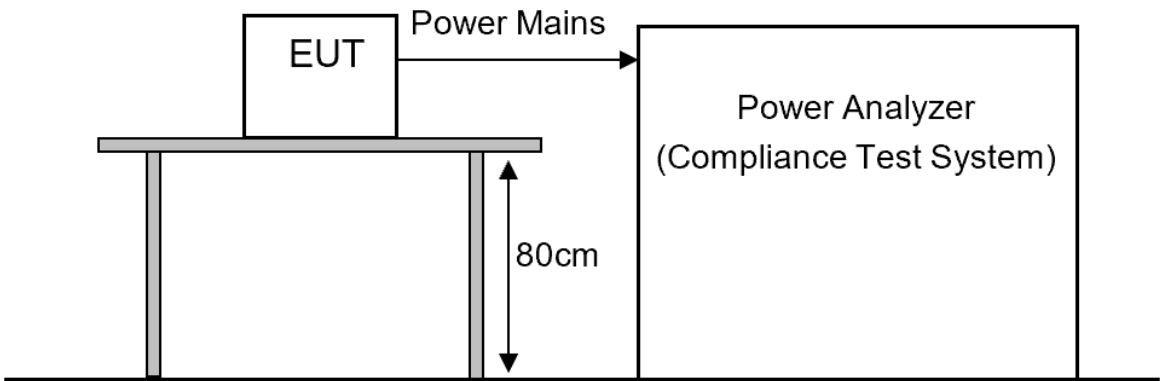
6. Harmonic Current Emissions Test

6.1. Test equipment

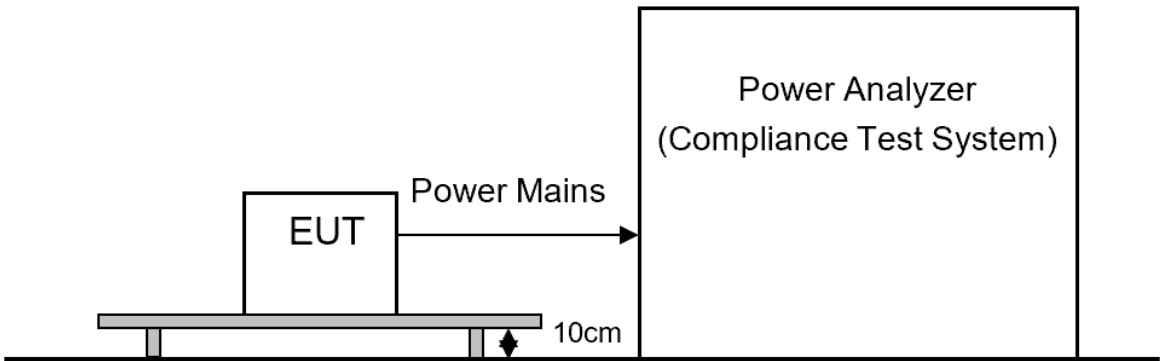
Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
Harmonics&Flicker Analyzer	EMC Partner	HAR1000-1P	DDT-ZC00549	2026/10/19

6.2. Block diagram of test setup

Table-top device



Floor-standing device



6.3. Test levels and performance criterion

Limit for Class A equipment		
Harmonic order(h)	Maximum permissible harmonic current (A)	
Odd harmonics		
3	2.30	
5	1.14	
7	0.77	
9	0.40	
11	0.33	
13	0.21	
15≤h≤39	0.15*15/h	
Even harmonics		
2	1.08	
4	0.43	
6	0.30	
8≤h≤40	0.23*8/h	
Limit for Class B equipment		
The harmonics of the input current shall not exceed the values given in Class A limits multiplied by a factor of 1,5.		
Limit for Class C equipment		
Harmonic order(h)	Maximum permissible harmonic current expressed as a percentage of the input current at the fundamental frequency %	
2	2	
3	27	
5	10	
7	7	
9	5	
11≤h≤39 (odd harmonic only)	3	
Limit for Class D equipment		
Harmonic order(h)	Maximum permissible harmonic current per watt (mA/W)	Maximum permissible harmonic current (A)
3	3.4	2.30
5	1.9	1.14
7	1.0	0.77
9	0.5	0.40
11	0.35	0.33
13≤h≤39 (odd harmonic only)	3.85/n	0.15*15/h

6.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Router	Mi	R4A	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Earphone	N/A	N/A	/	/
Mobile Drive	WD	Elements SE	/	/
Speaker	JBL	JBL GO	/	/
Mobile HDD	WD	WDBUZG0010B BK-EB	/	/
Speaker	N/A	Bar 2.0	/	/

6.5. Test procedure

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic components under normal operating conditions for each successive harmonic component in turn. The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the necessary for the EUT to be exercised.

6.6. Test result

Pass. (See below detailed test result)

6.7. Test data

Test Report			
Test Standard :	IEC 61000-3-2 (Ed5-1) - Class A (230V - 50Hz)		
Tester :	Hans Xu		
Company :	Guangdong Dongdian Testing Service Co., Ltd.		
Test Date :	11/18/2025 1:40:59 AM		
Result			
E.U.T. :	PASS	Source :	PASS
Test Object / Product			
Serial Number :	S25111310-001	Operation Mode :	HDMI 1 in mode
		Connection :	/
Climatic Conditions			
Temperature :	26 °C	Pressure :	101 kPa
		Humidity :	52 %
Measures & Analysis			
Measure Window :	10 periods	Voltage Range :	500 V
Refresh Interval :	2 s	Current Range :	200 A
Sampling Rate :	10.24 kS/s		
Scaled Window :	Rectangular		
According :	IEC 61000-3-2 (Edition 5.1) Limits for harmonic current emissions (equipment input current < 16 A per phase)		

Standard Specific Results for IEC 61000-3-2 (Edition 5.1)

Standard Group:	Industry
Standard Name:	IEC 61000-3-2 (Edition 5.1)
	Limits for harmonic current emissions (equipment input current < 16 A per phase)
Device Under Test:	PASS
Power Source:	PASS
Connection Type:	L - N
Main Line:	240 V, 50 Hz
Classification:	Class A
Appli. of Limits:	less than or equal to 200 %
Test Duration:	3 min

Check Harmonics 2..40*First harmonic order > 200 %*

Line 1: None

Harmonics orders > 200 %

Line 1: None

Harmonics orders with average > 90 %

Line 1: None

First harmonic order between 150% and 200% during more than 10% of the test time or max. 10 min

Line 1: None

Harmonic order between 150% and 200% during more than 10% of the test time or max. 10 min

Line 1: None

Measured values*Fundamental Current*

Line 1: 1.334 A

Active input Power

Line 1: 321.526 W *

Circuit power factor

Line 1: 0.998 *

* Absolute value.

Prerequisite for simplified method fulfilled*First time window with THD(I) > 15 %*

Line 1: None

Time window with max THD(I) > 15 %

Line 1: None

Current emission below 60 % of the applicable limits

Line 1: Yes

Active Input Power

Line 1: 322 W *

* Absolute value.

Current Test Result

Average and Maximum harmonic current results

Hn	Average (90% *)				Maximum (200%)				Harmonic Result
	I _{eff} [A]	of Limit [%]	Limit [A]	Result	I _{eff} [A]	of Limit [%]	Limit [A]	Result	
1	1.333				1.334				
2	0.009	0.917	0.972	PASS	0.009	0.426	2.160	PASS	PASS
3	0.033	1.591	2.070	PASS	0.033	0.726	4.600	PASS	PASS
4	0.006	1.527	0.387	n/a	0.006	0.722	0.860	n/a	PASS
5	0.039	3.841	1.026	PASS	0.040	1.764	2.280	PASS	PASS
6	0.006	2.261	0.270	n/a	0.006	1.060	0.600	n/a	PASS
7	0.036	5.196	0.693	PASS	0.037	2.373	1.540	PASS	PASS
8	0.002	1.014	0.207	n/a	0.002	0.498	0.460	n/a	PASS
9	0.024	6.770	0.360	PASS	0.025	3.092	0.800	PASS	PASS
10	0.002	1.301	0.166	n/a	0.002	0.671	0.368	n/a	PASS
11	0.022	7.446	0.297	PASS	0.022	3.390	0.660	PASS	PASS
12	0.002	1.104	0.138	n/a	0.002	0.544	0.307	n/a	PASS
13	0.015	8.162	0.189	PASS	0.016	3.725	0.420	PASS	PASS
14	0.001	1.123	0.118	n/a	0.001	0.558	0.263	n/a	PASS
15	0.010	7.151	0.135	PASS	0.010	3.280	0.300	PASS	PASS
16	0.001	1.347	0.104	n/a	0.002	0.691	0.230	n/a	PASS
17	0.006	4.773	0.119	n/a	0.006	2.355	0.265	n/a	PASS
18	0.002	2.026	0.092	n/a	0.002	1.062	0.204	n/a	PASS
19	0.002	1.577	0.107	n/a	0.002	0.856	0.237	n/a	PASS
20	0.001	1.659	0.083	n/a	0.002	0.842	0.184	n/a	PASS
21	0.009	8.882	0.096	PASS	0.009	4.084	0.214	PASS	PASS
22	0.001	1.359	0.075	n/a	0.001	0.681	0.167	n/a	PASS
23	0.008	9.299	0.088	PASS	0.008	4.288	0.196	PASS	PASS
24	0.001	1.622	0.069	n/a	0.001	0.802	0.153	n/a	PASS
25	0.004	5.045	0.081	n/a	0.004	2.357	0.180	n/a	PASS
26	0.001	1.594	0.064	n/a	0.001	0.790	0.142	n/a	PASS
27	0.007	9.361	0.075	n/a	0.007	4.329	0.167	n/a	PASS
28	0.001	1.729	0.059	n/a	0.001	0.860	0.131	n/a	PASS
29	0.008	11.258	0.070	n/a	0.008	5.200	0.155	PASS	PASS
30	0.001	2.236	0.055	n/a	0.001	1.149	0.123	n/a	PASS
31	0.004	6.388	0.065	n/a	0.004	3.053	0.145	n/a	PASS
32	0.001	2.096	0.052	n/a	0.001	1.029	0.115	n/a	PASS
33	0.003	5.167	0.061	n/a	0.003	2.535	0.136	n/a	PASS
34	0.001	2.060	0.049	n/a	0.001	1.038	0.108	n/a	PASS
35	0.006	10.955	0.058	n/a	0.006	5.029	0.129	n/a	PASS
36	0.001	2.314	0.046	n/a	0.001	1.137	0.102	n/a	PASS
37	0.006	10.356	0.055	n/a	0.006	4.863	0.122	n/a	PASS
38	0.001	2.535	0.044	n/a	0.001	1.266	0.097	n/a	PASS
39	0.001	2.285	0.052	n/a	0.001	1.150	0.115	n/a	PASS
40	0.001	2.576	0.041	n/a	0.001	1.309	0.092	n/a	PASS

Note: Harmonic currents less than 0.6 % of the input current measured under the test conditions, or less than 5 mA, whichever is greater, are disregarded.

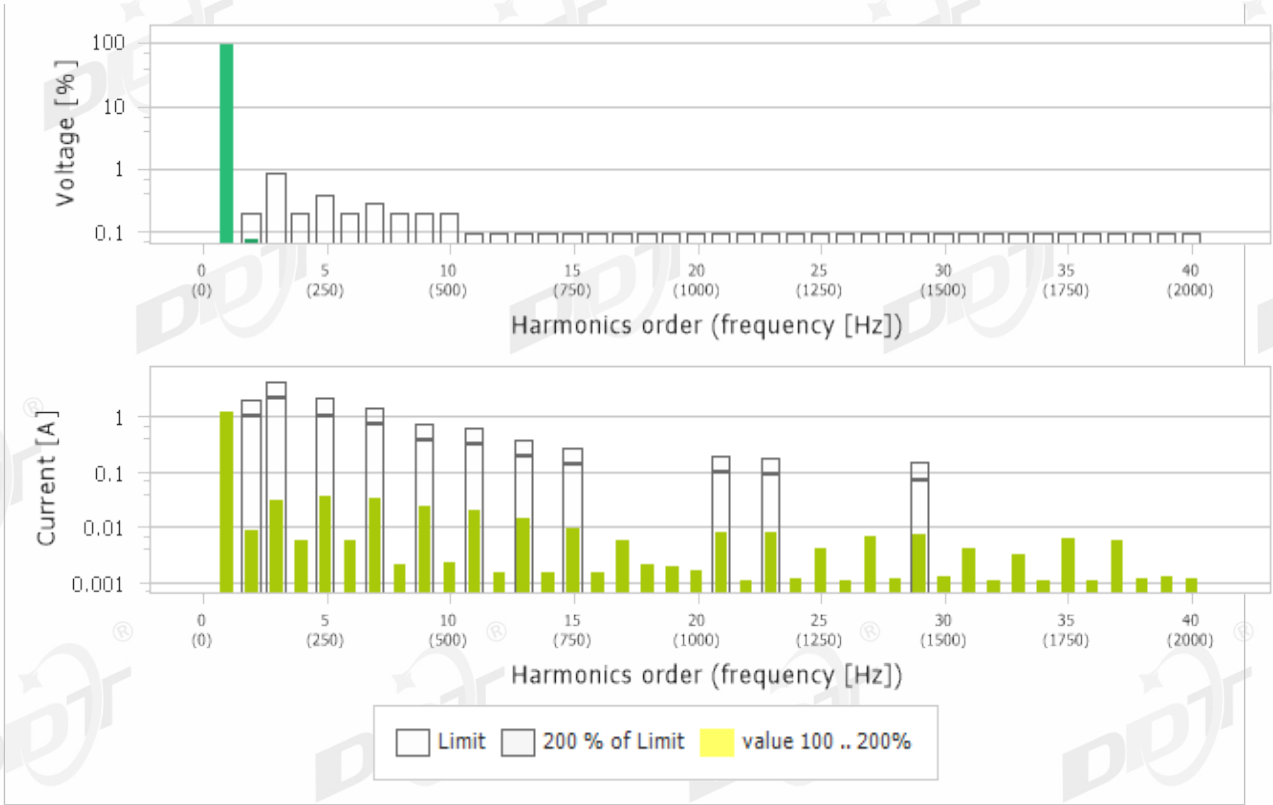
* Application of limits for average is 90% for all harmonics.

Voltage Source Verification

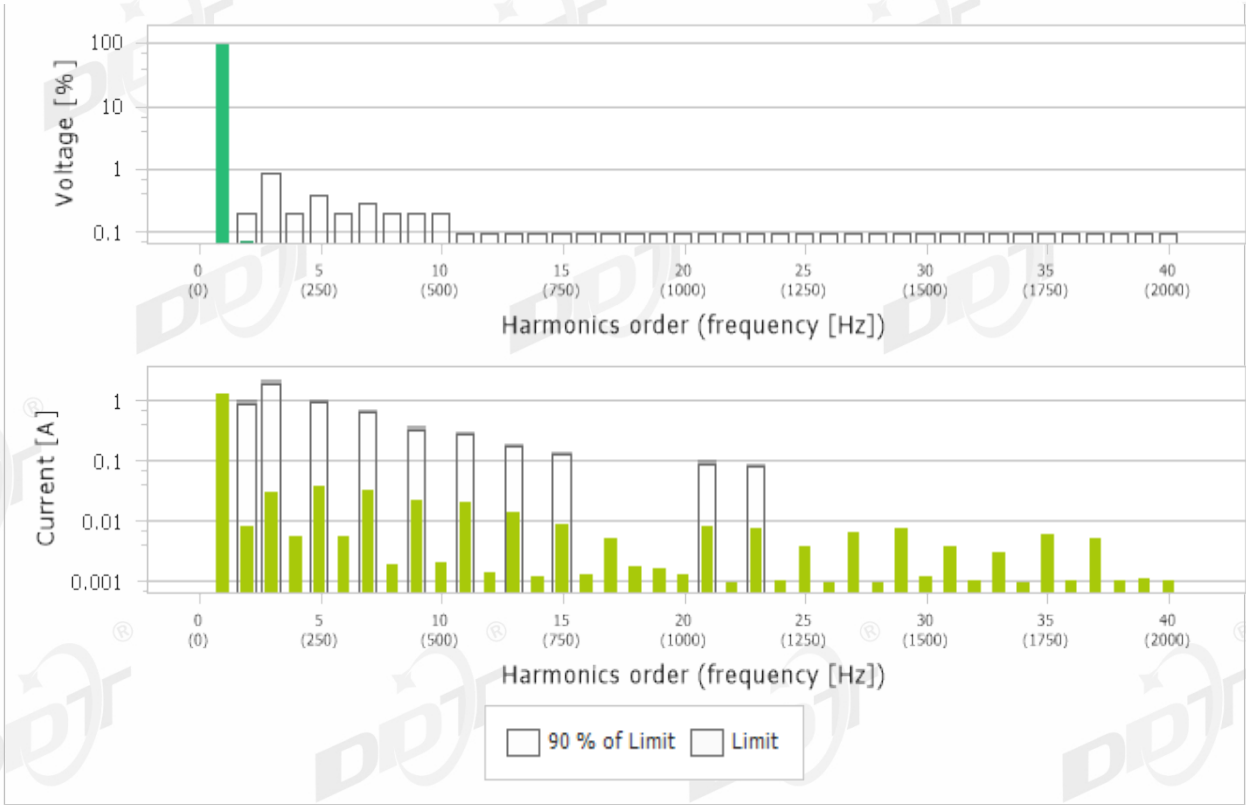
Harmonic voltage results				
Hn	Ueff [V]	Ueff [%]	Limit [%]	Result
1	241.215	100.506		
2	0.192	0.080	0.200	PASS
3	0.065	0.027	0.900	PASS
4	0.075	0.031	0.200	PASS
5	0.051	0.021	0.400	PASS
6	0.051	0.021	0.200	PASS
7	0.043	0.018	0.300	PASS
8	0.040	0.017	0.200	PASS
9	0.032	0.013	0.200	PASS
10	0.034	0.014	0.200	PASS
11	0.030	0.012	0.100	PASS
12	0.024	0.010	0.100	PASS
13	0.027	0.011	0.100	PASS
14	0.022	0.009	0.100	PASS
15	0.019	0.008	0.100	PASS
16	0.020	0.008	0.100	PASS
17	0.021	0.009	0.100	PASS
18	0.024	0.010	0.100	PASS
19	0.019	0.008	0.100	PASS
20	0.018	0.007	0.100	PASS
21	0.017	0.007	0.100	PASS
22	0.017	0.007	0.100	PASS
23	0.017	0.007	0.100	PASS
24	0.015	0.006	0.100	PASS
25	0.020	0.008	0.100	PASS
26	0.015	0.006	0.100	PASS
27	0.029	0.012	0.100	PASS
28	0.017	0.007	0.100	PASS
29	0.023	0.010	0.100	PASS
30	0.017	0.007	0.100	PASS
31	0.017	0.007	0.100	PASS
32	0.013	0.006	0.100	PASS
33	0.016	0.007	0.100	PASS
34	0.012	0.005	0.100	PASS
35	0.014	0.006	0.100	PASS
36	0.011	0.005	0.100	PASS
37	0.012	0.005	0.100	PASS
38	0.012	0.005	0.100	PASS
39	0.012	0.005	0.100	PASS
40	0.012	0.005	0.100	PASS

Maximum / Average Values	
	Line 1
Maximum Values	
Frequency	50 Hz
Voltage RMS	241.2 V
Current RMS	1.337 A
Peak Current	1.947 A
Fundamental Current	1.336 A
Current Crest Factor	1.458
Active Power P	322.0 W
Power Factor	0.9977
Total Harmonic Current (THC)	0.07775 A
Instantaneous Partial Odd Harmonic Current (Inst. POHC)	0.01986 A
Total Harmonic Distortion Current (THDC)	0.05828
Average Values	
Total Harmonic Current (THC)	0.07706 A
Instantaneous Partial Odd Harmonic Current (Inst. POHC)	0.01923 A
Total Harmonic Distortion Current (THDC)	0.05776

Maximum Harmonics											
Maximum Harmonics (Line 1)											
Hn	Frequency [Hz]	Voltage					Current				
		eff [V]	eff [%]	of Limit [%]	Limit [%]	Time Window	eff [A]	eff[%]	of Limit [%]	Limit [A]	Time Window
1	50.0	241.215	100.51	-	-	728	1.334	100.00	-	-	306
2	100.0	0.192	0.08	40.03	0.20	573	0.009	0.69	0.43	2.16	844
3	150.0	0.065	0.03	2.99	0.90	154	0.033	2.50	0.73	4.60	820
4	200.0	0.075	0.03	15.58	0.20	771	0.006	0.47	0.72	0.86	832
5	250.0	0.051	0.02	5.34	0.40	34	0.040	3.01	1.76	2.28	160
6	300.0	0.051	0.02	10.55	0.20	705	0.006	0.48	1.06	0.60	574
7	350.0	0.043	0.02	5.93	0.30	52	0.037	2.74	2.37	1.54	156
8	400.0	0.040	0.02	8.31	0.20	670	0.002	0.17	0.50	0.46	101
9	450.0	0.032	0.01	6.72	0.20	52	0.025	1.85	3.09	0.80	67
10	500.0	0.034	0.01	7.03	0.20	761	0.002	0.19	0.67	0.37	417
11	550.0	0.030	0.01	12.45	0.10	152	0.022	1.68	3.39	0.66	509
12	600.0	0.024	0.01	9.91	0.10	724	0.002	0.12	0.54	0.31	552
13	650.0	0.027	0.01	11.19	0.10	712	0.016	1.17	3.73	0.42	862
14	700.0	0.022	0.01	9.25	0.10	51	0.002	0.12	0.59	0.26	1
15	750.0	0.019	0.01	8.11	0.10	418	0.010	0.74	3.28	0.30	103
16	800.0	0.020	0.01	8.29	0.10	544	0.002	0.12	0.69	0.23	878
17	850.0	0.021	0.01	8.79	0.10	685	0.006	0.47	2.35	0.26	296
18	900.0	0.024	0.01	10.01	0.10	418	0.002	0.16	1.06	0.20	727
19	950.0	0.019	0.01	8.08	0.10	173	0.002	0.15	0.86	0.24	309
20	1000.0	0.018	0.01	7.47	0.10	144	0.002	0.13	0.91	0.18	2
21	1050.0	0.017	0.01	7.00	0.10	505	0.009	0.67	4.16	0.21	1
22	1100.0	0.017	0.01	7.05	0.10	583	0.001	0.09	0.68	0.17	162
23	1150.0	0.017	0.01	7.19	0.10	17	0.008	0.63	4.29	0.20	157
24	1200.0	0.015	0.01	6.34	0.10	403	0.001	0.09	0.80	0.15	841
25	1250.0	0.020	0.01	8.20	0.10	729	0.004	0.32	2.36	0.18	150
26	1300.0	0.015	0.01	6.08	0.10	631	0.001	0.08	0.79	0.14	413
27	1350.0	0.029	0.01	12.14	0.10	6	0.007	0.54	4.33	0.17	847
28	1400.0	0.017	0.01	6.89	0.10	390	0.001	0.09	0.91	0.13	1
29	1450.0	0.023	0.01	9.59	0.10	505	0.008	0.60	5.20	0.16	651
30	1500.0	0.017	0.01	7.13	0.10	439	0.001	0.11	1.15	0.12	885
31	1550.0	0.017	0.01	7.03	0.10	896	0.004	0.33	3.05	0.15	116
32	1600.0	0.013	0.01	5.54	0.10	659	0.001	0.09	1.03	0.12	652
33	1650.0	0.016	0.01	6.67	0.10	250	0.003	0.26	2.53	0.14	491
34	1700.0	0.012	0.01	5.04	0.10	453	0.001	0.08	1.04	0.11	519
35	1750.0	0.014	0.01	5.92	0.10	86	0.006	0.48	5.03	0.13	653
36	1800.0	0.011	0.00	4.76	0.10	483	0.001	0.09	1.14	0.10	480
37	1850.0	0.012	0.00	4.98	0.10	561	0.006	0.44	4.86	0.12	325
38	1900.0	0.012	0.00	4.84	0.10	683	0.001	0.09	1.29	0.10	1
39	1950.0	0.012	0.01	5.00	0.10	560	0.001	0.10	1.16	0.12	7
40	2000.0	0.012	0.00	4.81	0.10	624	0.001	0.09	1.31	0.09	310



Average Harmonics											
Average Harmonics (Line 1)											
Hn	Frequency [Hz]	Voltage					Current				
		eff [V]	eff [%]	of Limit [%]	Limit [%]	Pass / Fail	eff [A]	eff[%]	of Limit [%]	Limit [A]	Pass / Fail
1	50.0	241.196	100.50	-	-	n/a	1.333	99.95	-	-	n/a
2	100.0	0.181	0.08	37.72	0.20	Pass	0.009	0.67	0.92	0.97	Pass
3	150.0	0.056	0.02	2.58	0.90	Pass	0.033	2.47	1.59	2.07	Pass
4	200.0	0.070	0.03	14.60	0.20	Pass	0.006	0.44	1.53	0.39	n/a
5	250.0	0.041	0.02	4.23	0.40	Pass	0.039	2.95	3.84	1.03	Pass
6	300.0	0.043	0.02	9.05	0.20	Pass	0.006	0.46	2.26	0.27	n/a
7	350.0	0.033	0.01	4.59	0.30	Pass	0.036	2.70	5.20	0.69	Pass
8	400.0	0.035	0.01	7.38	0.20	Pass	0.002	0.16	1.01	0.21	n/a
9	450.0	0.025	0.01	5.20	0.20	Pass	0.024	1.83	6.77	0.36	Pass
10	500.0	0.026	0.01	5.48	0.20	Pass	0.002	0.16	1.30	0.17	n/a
11	550.0	0.023	0.01	9.46	0.10	Pass	0.022	1.66	7.45	0.30	Pass
12	600.0	0.019	0.01	7.77	0.10	Pass	0.002	0.11	1.10	0.14	n/a
13	650.0	0.020	0.01	8.45	0.10	Pass	0.015	1.16	8.16	0.19	Pass
14	700.0	0.016	0.01	6.58	0.10	Pass	0.001	0.10	1.12	0.12	n/a
15	750.0	0.013	0.01	5.43	0.10	Pass	0.010	0.72	7.15	0.14	Pass
16	800.0	0.013	0.01	5.36	0.10	Pass	0.001	0.10	1.35	0.10	n/a
17	850.0	0.012	0.00	4.90	0.10	Pass	0.006	0.43	4.77	0.12	n/a
18	900.0	0.012	0.01	5.14	0.10	Pass	0.002	0.14	2.03	0.09	n/a
19	950.0	0.011	0.00	4.58	0.10	Pass	0.002	0.13	1.58	0.11	n/a
20	1000.0	0.012	0.01	5.06	0.10	Pass	0.001	0.10	1.66	0.08	n/a
21	1050.0	0.010	0.00	4.31	0.10	Pass	0.009	0.64	8.88	0.10	Pass
22	1100.0	0.011	0.00	4.59	0.10	Pass	0.001	0.08	1.36	0.08	n/a
23	1150.0	0.012	0.01	5.16	0.10	Pass	0.008	0.61	9.30	0.09	Pass
24	1200.0	0.010	0.00	4.29	0.10	Pass	0.001	0.08	1.62	0.07	n/a
25	1250.0	0.016	0.01	6.62	0.10	Pass	0.004	0.31	5.05	0.08	n/a
26	1300.0	0.009	0.00	3.59	0.10	Pass	0.001	0.08	1.59	0.06	n/a
27	1350.0	0.023	0.01	9.42	0.10	Pass	0.007	0.53	9.36	0.08	n/a
28	1400.0	0.011	0.00	4.63	0.10	Pass	0.001	0.08	1.73	0.06	n/a
29	1450.0	0.019	0.01	7.79	0.10	Pass	0.008	0.59	11.26	0.07	n/a
30	1500.0	0.012	0.01	5.21	0.10	Pass	0.001	0.09	2.24	0.06	n/a
31	1550.0	0.012	0.00	4.93	0.10	Pass	0.004	0.31	6.39	0.07	n/a
32	1600.0	0.009	0.00	3.57	0.10	Pass	0.001	0.08	2.10	0.05	n/a
33	1650.0	0.012	0.00	4.97	0.10	Pass	0.003	0.24	5.17	0.06	n/a
34	1700.0	0.008	0.00	3.13	0.10	Pass	0.001	0.08	2.06	0.05	n/a
35	1750.0	0.010	0.00	4.02	0.10	Pass	0.006	0.48	10.95	0.06	n/a
36	1800.0	0.007	0.00	2.80	0.10	Pass	0.001	0.08	2.31	0.05	n/a
37	1850.0	0.007	0.00	2.79	0.10	Pass	0.006	0.42	10.36	0.05	n/a
38	1900.0	0.005	0.00	2.25	0.10	Pass	0.001	0.08	2.53	0.04	n/a
39	1950.0	0.007	0.00	2.90	0.10	Pass	0.001	0.09	2.29	0.05	n/a
40	2000.0	0.006	0.00	2.59	0.10	Pass	0.001	0.08	2.58	0.04	n/a



6.8. Test photo



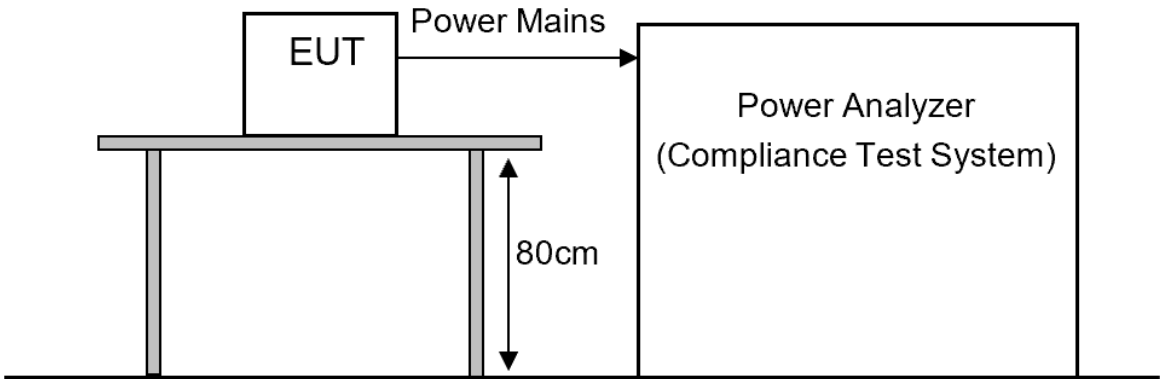
7. Voltage Fluctuations& Flicker Test

7.1. Test equipment

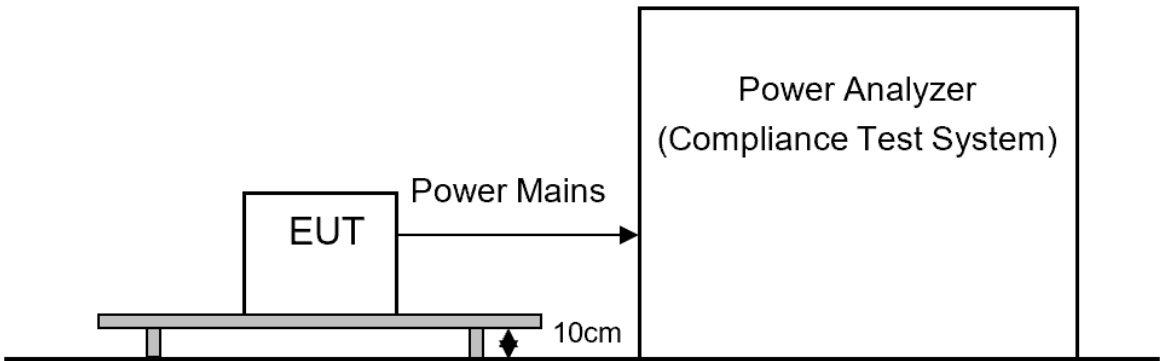
Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
Harmonics&Flicker Analyzer	EMC Partner	HAR1000-1P	DDT-ZC00549	2026/10/19

7.2. Block diagram of test setup

Table-top device



Floor-standing device



7.3. Test levels and performance criterion

Voltage fluctuations & flicker Limit		
Test Item	Limit	Note
Pst	1.0	Pst means Short-term flicker indicator
Plt	0.65	Plt means long-term flicker indicator
Tdt	0.5	Tdt means maximum time that dt exceeds 3.3%
dmax(%)	4%	dmax means maximum relative voltage change.
dc(%)	3.3%	dc means relative steady-state voltage change.

7.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Router	Mi	R4A	/	/
Earphone	N/A	N/A	/	/
Mobile Drive	WD	Elements SE	/	/
Mobile HDD	WD	WDBUZG0010B BK-EB	/	/
Speaker	JBL	JBL GO	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Speaker	N/A	Bar 2.0	/	/

7.5. Test procedure

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the most unfavorable sequence of voltage changes under normal conditions during the flick measurement; the measure time shall include that part of whole operation changes. The observation period for short-term flicker indicator is 10 minutes and the observation period for long-term flicker indicator is 2 hours.

7.6. Test result

Pass. (See below detailed test result)

7.7. Test data

Test Report			
Test Standard :	IEC 61000-3-3 (Ed3-2) - General Test conditions (230V - 50Hz)		
Tester :	Hans Xu		
Company :	Guangdong Dongdian Testing Service Co., Ltd.		
Test Date :	11/18/2025 2:01:14 AM		
Result			
E.U.T. :	PASS		
Test Object / Product			
Serial Number :	S25111310-001	Operation Mode :	HDMI 1 in mode
		Connection :	/
Climatic Conditions			
Temperature :	26 °C	Pressure :	101 kPa
		Humidity :	52 %
Flicker Results			
Standard Specific Results for IEC 61000-3-3 (Edition 3.2)			

Standard Group: Industry

Standard Name: IEC 61000-3-3 (Edition 3.2)

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

Test Condition: General Test Conditions

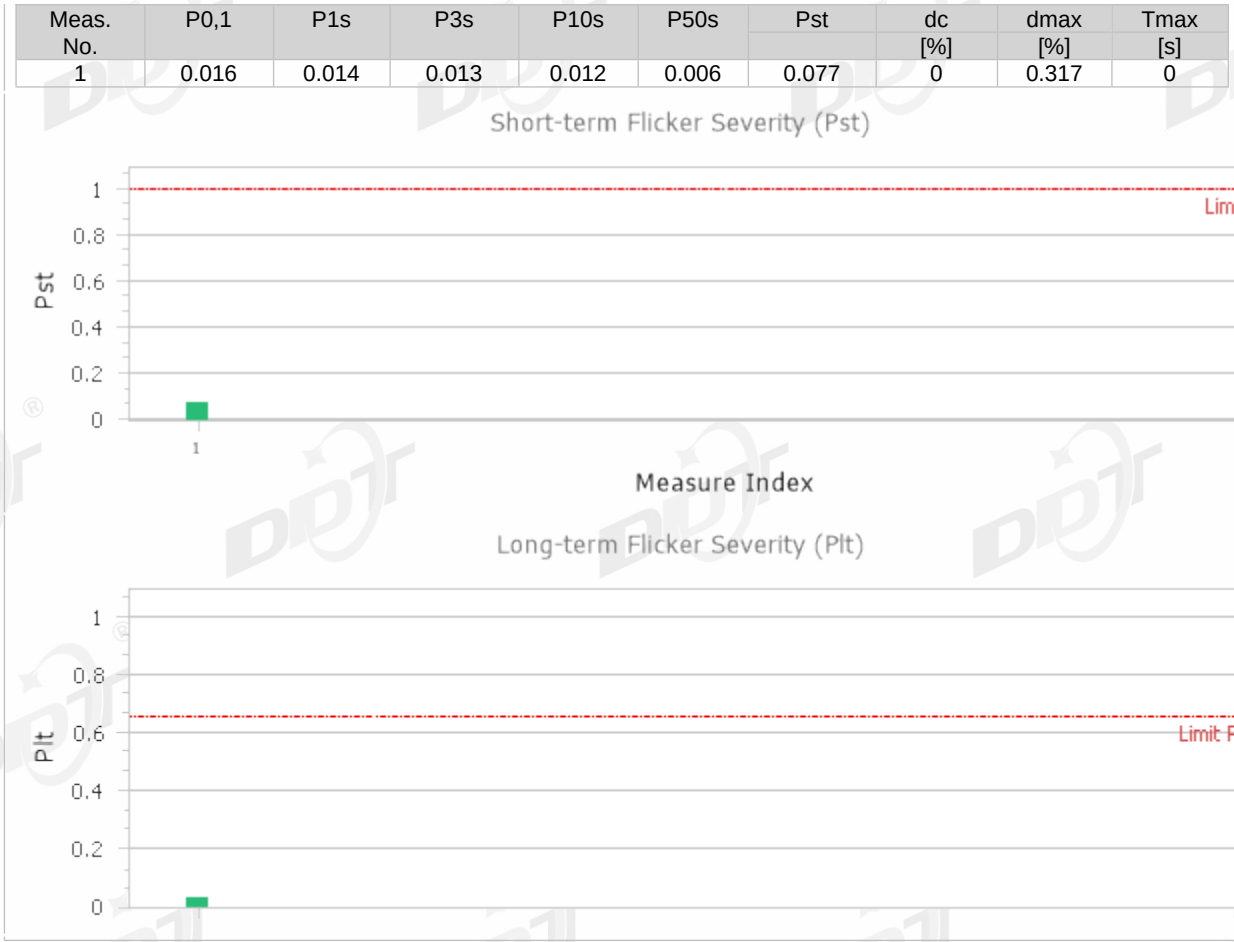
Analysis Status: PASS

Flicker Measurements Settings	
Main Line:	230V, 50Hz
Flicker Meter:	230V / 50Hz
Flicker Impedance:	Zref
Observation Time:	1 × 10 min
Measurements:	1

Flicker Measurements						
	Last V_{rms} [V]	P_{It}	Max P_{st}	Max d_c [%]	Max d_{max} [%]	Max T_{max} [s]
Line 1:	230.255	0.034	0.077	0	0.317	0
Limits:		0.65	1	3.3	4	0.5
Results:		PASS	PASS	PASS	PASS	PASS

Flicker Individual Measurements												
Measurement	P_{st} []			d_c [%]			d_{max} [%]			T_{max} [s]		
	Value	Limit	Result	Value	Limit	Result	Value	Limit	Result	Value	Limit	Result
#1	0.08	1.00	PASS	0.00	3.30	PASS	0.32	4.00	PASS	0.00	0.50	PASS

Pst Data												
Flicker (Line 1)												



7.8. Test photo



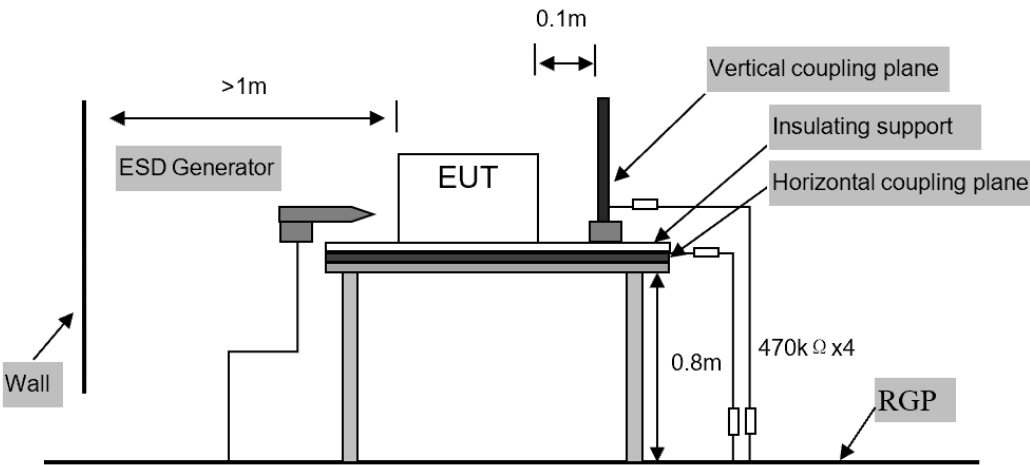
8. Electrostatic Discharge Test

8.1. Test equipment

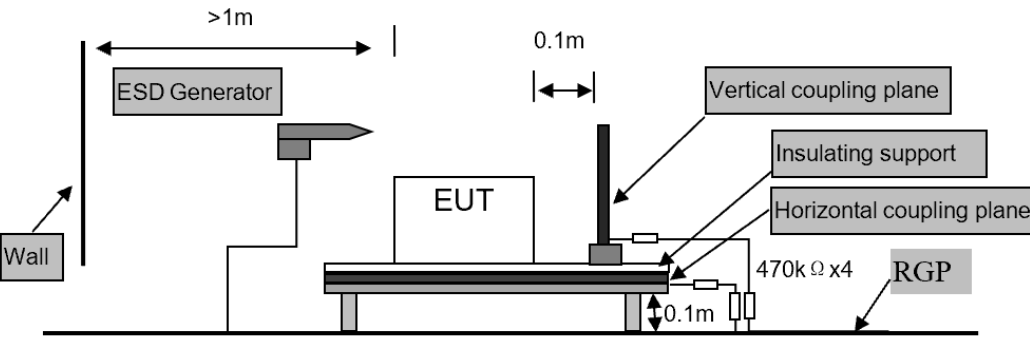
Equipment	Manufacturer	Model No.	Equipment No.	Cal Due To
ESD Generator	TESEQ	NSG 437	DDT-ZC01820	2026/04/01

8.2. Block diagram of test setup

Table-top equipment



Floor-standing equipment



8.3. Test levels and performance criterion

Test Level		Performance Criteria
Air Discharge	±2kV, ±4kV and ±8kV	B
Contact Discharge	±4kV	
Performance criteria B description: During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. After the test, the EUT 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 manufacturer, when the EUT is used as intended.		

8.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Speaker	N/A	Bar 2.0	/	/
Earphone	N/A	N/A	/	/
Mobile HDD	WD	WDBUZG0010B BK-EB	/	/
Speaker	JBL	JBL GO	/	/
Router	Mi	R4A	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Mobile Drive	WD	Elements SE	/	/

8.5. Test procedure

Air Discharge:

The test was applied on non-conductive surfaces of EUT. The round discharge tip of the discharge electrode was approached as fast as possible to touch the EUT. After each discharge, the discharge electrode was removed from the EUT. The generator was re-triggered for a new single discharge and repeated 20 times for each pre-selected test point. This procedure was repeated until all the air discharge completed.

Contact Discharge:

All the procedure was same as air discharge. Except that the generator was re-triggered for a new single discharge. The tip of the discharge electrode was touching the EUT before the discharge switch was operated.

Indirect discharge for horizontal coupling plane:

At least 20 single discharges were 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.

Indirect discharge for vertical coupling plane:

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

8.6. Test result

Test Site: 7#EMC Shield Room	Test Date: 2025/11/19--2025/11/19
Condition: 22°C,42%RH,101kPa	Test Engineer: Liu Xuhui
Memo: /	

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: HDMI 1 in mode		
Power supply: AC 230V/50Hz			Memo:/		
Measure parameters: 20 times at each point for contact discharge; 20 times at each point for air discharge. 1 second interval for each discharge.					
Type of discharge	Test Level	Test Point	Required	Observation	Result
Contact to EUT	±4kV	1	B	A	Pass
Contact to Coupling Planes	±4kV	Coupling Planes	B	A	Pass
Air	±2 kV /±4 kV /±8kV	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19	B	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: HDMI 2 in mode		
Power supply: AC 230V/50Hz			Memo:/		
Measure parameters: 20 times at each point for contact discharge; 20 times at each point for air discharge. 1 second interval for each discharge.					
Type of discharge	Test Level	Test Point	Required	Observation	Result
Contact to EUT	±4kV	1	B	A	Pass
Contact to Coupling Planes	±4kV	Coupling Planes	B	A	Pass
Air	±2 kV /±4 kV /±8kV	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19	B	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: eARC mode		
Power supply: AC 230V/50Hz			Memo:/		
Measure parameters: 20 times at each point for contact discharge; 20 times at each point for air discharge. 1 second interval for each discharge.					
Type of discharge	Test Level	Test Point	Required	Observation	Result
Contact to EUT	±4kV	1	B	A	Pass
Contact to Coupling Planes	±4kV	Coupling Planes	B	A	Pass
Air	±2 kV /±4 kV /±8kV	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19	B	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 3.0 mode		
Power supply: AC 230V/50Hz			Memo:/		
Measure parameters: 20 times at each point for contact discharge; 20 times at each point for air discharge. 1 second interval for each discharge.					
Type of discharge	Test Level	Test Point	Required	Observation	Result
Contact to EUT	±4kV	1	B	A	Pass
Contact to Coupling Planes	±4kV	Coupling Planes	B	A	Pass
Air	±2 kV /±4 kV /±8kV	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19	B	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 2.0 mode		
Power supply: AC 230V/50Hz			Memo:/		
Measure parameters: 20 times at each point for contact discharge; 20 times at each point for air discharge. 1 second interval for each discharge.					
Type of discharge	Test Level	Test Point	Required	Observation	Result
Contact to EUT	±4kV	1	B	A	Pass
Contact to Coupling Planes	±4kV	Coupling Planes	B	A	Pass
Air	±2 kV /±4 kV /±8kV	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19	B	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

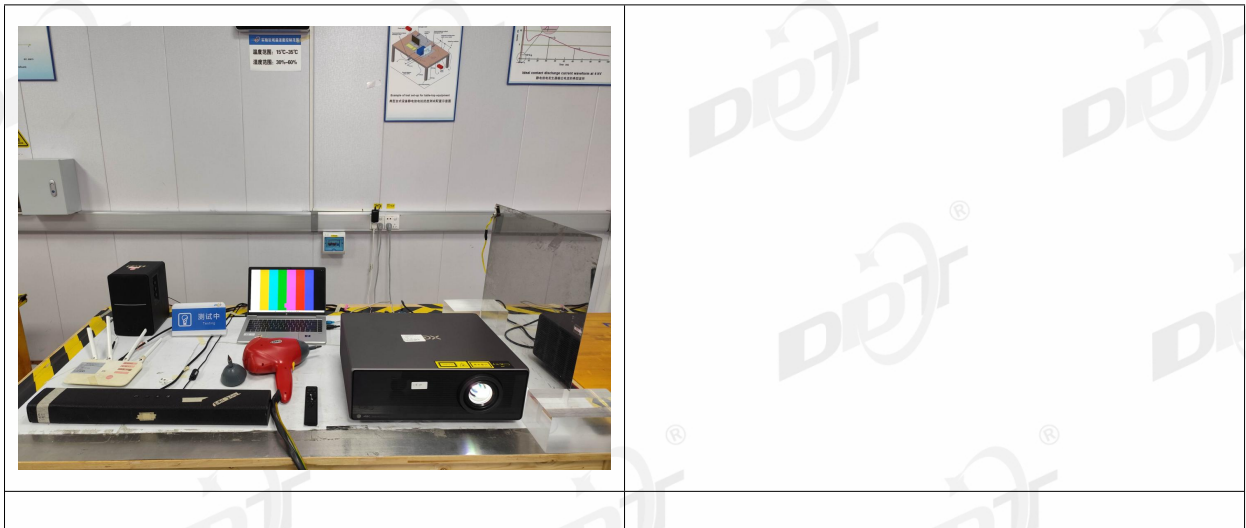
EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: LAN mode		
Power supply: AC 230V/50Hz			Memo:/		
Measure parameters: 20 times at each point for contact discharge; 20 times at each point for air discharge. 1 second interval for each discharge.					
Type of discharge	Test Level	Test Point	Required	Observation	Result
Contact to EUT	±4kV	1	B	A	Pass
Contact to Coupling Planes	±4kV	Coupling Planes	B	A	Pass
Air	±2 kV /±4 kV /±8kV	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19	B	A	Pass
Observation Description:					
A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

8.7. ESD test points





8.8. Test photo



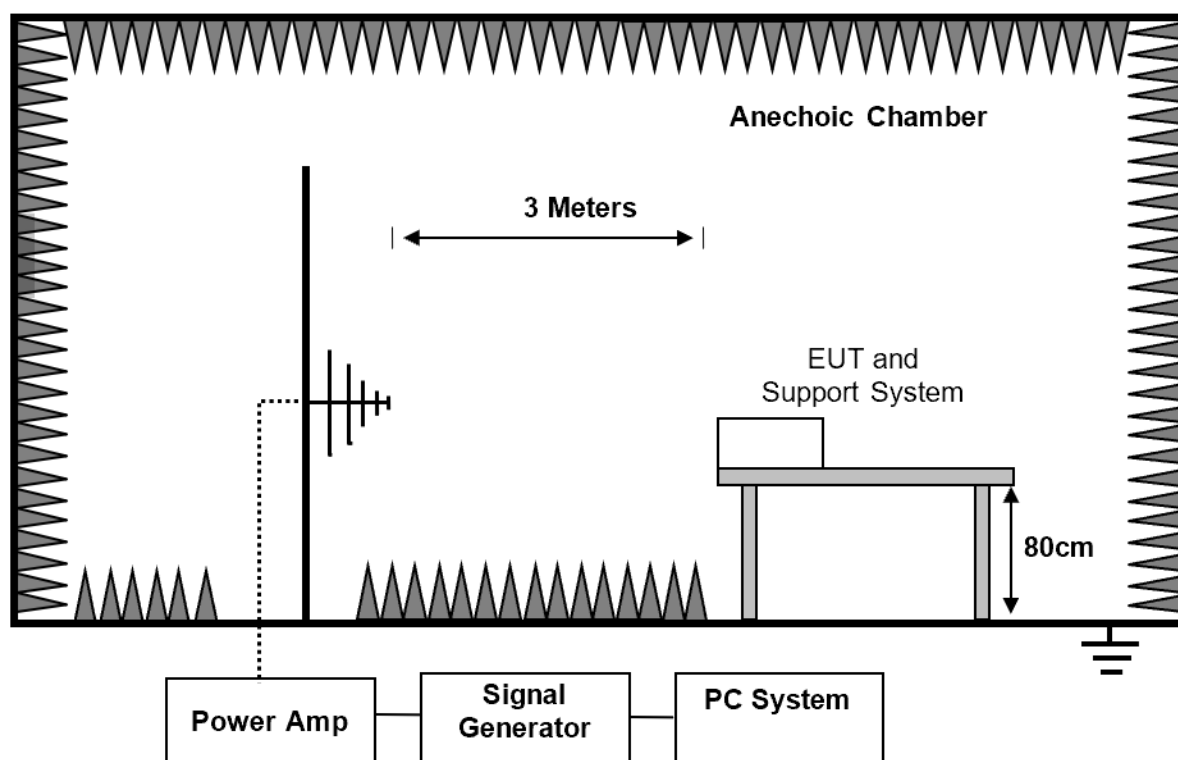
9. Continuous Radio Frequency Disturbances

9.1. Test equipment

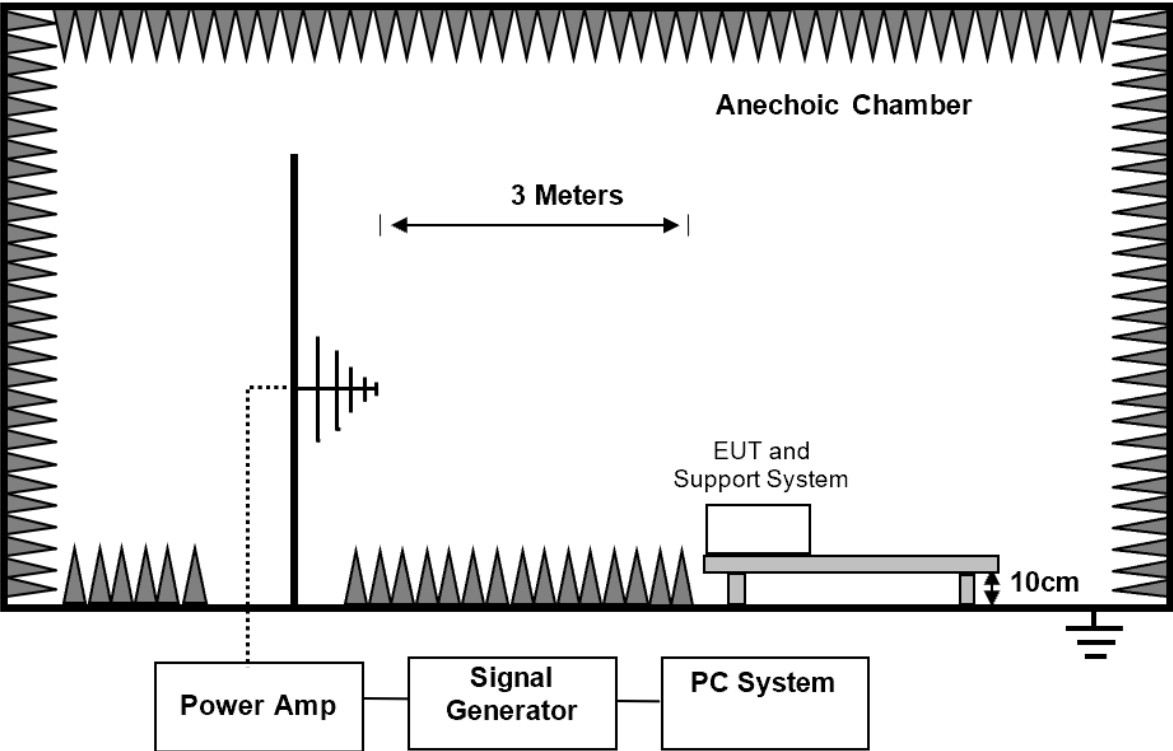
Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
Power meter	Agilent	E4417A	DDT-ZC00934	2026/07/06
Power sensor	Agilent	E9323A	DDT-ZC00938	2026/08/10
Power sensor	Agilent	E9323A	DDT-ZC00939	2026/08/10
RS Test Software	SKET	EMC-S	DDT-ZC01455	/
Log-Periodic Antenna	schwarzbeck	STLP 9129	DDT-ZC04673	2026/10/19
Audio Analyzer	R&S	UPL	DDT-ZC04520	2026/10/19
Field probe	PMM	EP-601	DDT-ZC00933	2026/01/08
MXG Vector Signal Generator	Agilent	N5181A	DDT-ZC05321	2026/10/19
Power Amplifier	Micotop	MPA-80-1000-250	DDT-ZC05601	2026/10/19
Power Amplifier	Micotop	MPA-1000-6000-100	DDT-ZC05602	2026/10/19
Matrix Switch	SKET	LDSPDT80M6G	DDT-ZC05734	/

9.2. Block diagram of test setup

Table-top device



Floor-standing device



9.3. Test levels and performance criterion

Swept frequency test		Performance Criteria
Frequency (MHz)	80 to 1000	A
Field Strength	3V/m rms voltage level of the unmodulated signal	
Modulation	AM modulated to a depth of 80% by a sine wave of ☒ 1 kHz, ☐ 400 Hz (note 1)	
Step Size	1% increments	
Dwell time	≤5 Sec.	
Spot frequency test		Performance Criteria
Frequency (MHz)	1800, 2600, 3500, 5000	A
Field Strength	3V/m rms voltage level of the unmodulated signal	
Modulation	AM modulated to a depth of 80% by a sine wave of ☒ 1 kHz, ☐ 400 Hz (note 1)	
Dwell time	≤5 Sec.	
Note 1: The 1 kHz modulation may be replaced by a different audio modulation frequency more appropriate for a given EUT if, for example, 1 kHz is not within the operating audio range of the EUT.		
Performance criteria A description for devices with the audio output function: The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.		
For equipment with audio output function:		
☐ The acoustic measurement method was selected according to clause G6.4.1 of EN 55035		

☒ The electrical measurement method was selected according to clause G6.4.2 of EN 5503 5.

Performance criteria A for devices with the telephony function.

Frequency range MHz	Acoustic or electrical interference ratio	Equivalent direct measurement		
		dB(SPL)	Digital dBm0	Analogue dBm0
80 to 1000	-0 dB	75	-30	-30

Note: At the step in the frequency range, the lower limit shall be applied.

The interference ratio (electrical or acoustic) shall meet the limits in column 2; or,

The acoustic level of the demodulated audio shall be less than the limits in column 3; or

The digitally coded level of demodulated audio shall be less than limits in column 4; or,

The analogue level of the demodulated audio shall be less than the limits in column 5.

Performance criteria A description for other devices: During and after the test the EUT shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a minimum performance level specified by the manufacturer when the EUT is used as intended.

9.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
USB Flash	Kingston	DT101 G2	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Speaker	N/A	Bar 2.0	/	/
Speaker	JBL	JBL GO	/	/
Router	Mi	R4A	/	/
Earphone	N/A	N/A	/	/

9.5. Test procedure

The field sensor is placed on the EUT table (0.8 meter above the ground) which is 3 meters away from the transmitting antenna. Through the signal generator, power amplifier and transmitting antenna to produce a uniformity field strength (3V/m measured by field sensor) around the EUT table from frequency range specified and records the signal generator's output level at the same time for whole measured frequency range. Then, put EUT and its simulators on the EUT turn table and keep them 3 meters away from the transmitting antenna which is mounted on an antenna tower and fixes at 1 meter height above the ground. Using the recorded signal generator's output level to measure the EUT from frequency range specified and both horizontal & vertical polarization of antenna must be set and measured. Each of the four sides of EUT must be faced this transmitting antenna and measures individually.

9.6. Test result

Test Site: 4# 1m Chamber			Test Date: 2025/11/18--2025/11/19			
Condition: 20°C,40%RH			Test Engineer: Liu Xuhui			
Memo: /						
EUT Name: Projector			EUT Model: XR06B			
Sample No.: S25111310-001			Test Mode: HDMI 1 in mode			
Power supply: AC 230V/50Hz			Memo:/			
Steps: 1%, Dwell time 1s, 1kHz 80% AM modulation						
Test frequency	Level	EUT Position	Antenna Polarization	Required	Observation	Result
80MHz to 1000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
1800MHz 2600MHz 3500MHz 5000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-37.222</u> dB≤-20dB.						
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector			EUT Model: XR06B			
Sample No.: S25111310-001			Test Mode: HDMI 2 in mode			
Power supply: AC 230V/50Hz			Memo:/			
Steps: 1%, Dwell time 1s, 1kHz 80% AM modulation						
Test frequency	Level	EUT Position	Antenna Polarization	Required	Observation	Result
80MHz to 1000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
1800MHz 2600MHz 3500MHz 5000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-37.087</u> dB≤-20dB.						
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector			EUT Model: XR06B			
Sample No.: S25111310-001			Test Mode: eARC mode			
Power supply: AC 230V/50Hz			Memo:/			
Steps: 1%, Dwell time 1s, 1kHz 80% AM modulation						
Test frequency	Level	EUT Position	Antenna Polarization	Required	Observation	Result
80MHz to 1000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
1800MHz 2600MHz 3500MHz 5000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-37.293</u> dB≤-20dB.						
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

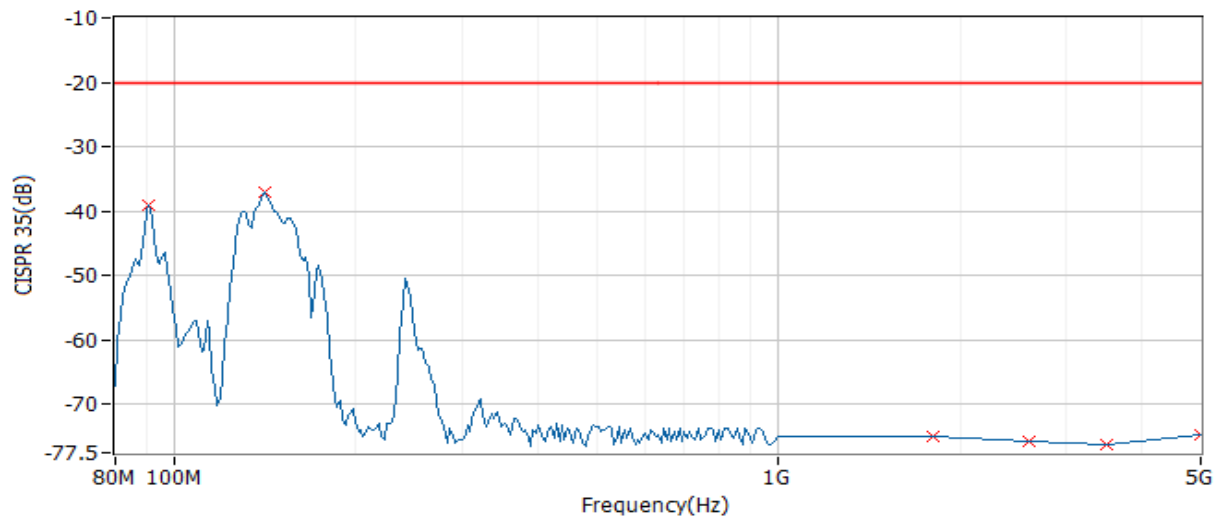
EUT Name: Projector			EUT Model: XR06B			
Sample No.: S25111310-001			Test Mode: USB 3.0 mode			
Power supply: AC 230V/50Hz			Memo:/			
Steps: 1%, Dwell time 1s, 1kHz 80% AM modulation						
Test frequency	Level	EUT Position	Antenna Polarization	Required	Observation	Result
80MHz to 1000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
1800MHz 2600MHz 3500MHz 5000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-39.545</u> dB≤-20dB.						
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector			EUT Model: XR06B			
Sample No.: S25111310-001			Test Mode: USB 2.0 mode			
Power supply: AC 230V/50Hz			Memo:/			
Steps: 1%, Dwell time 1s, 1kHz 80% AM modulation						
Test frequency	Level	EUT Position	Antenna Polarization	Required	Observation	Result
80MHz to 1000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
1800MHz 2600MHz 3500MHz 5000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-39.385</u> dB≤-20dB.						
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector			EUT Model: XR06B			
Sample No.: S25111310-001			Test Mode: LAN mode			
Power supply: AC 230V/50Hz			Memo:/			
Steps: 1%, Dwell time 1s, 1kHz 80% AM modulation						
Test frequency	Level	EUT Position	Antenna Polarization	Required	Observation	Result
80MHz to 1000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
1800MHz 2600MHz 3500MHz 5000MHz	3V/m	Front	H	A	A	Pass
			V	A	A	Pass
		Left	H	A	A	Pass
			V	A	A	Pass
		Rear	H	A	A	Pass
			V	A	A	Pass
		Right	H	A	A	Pass
			V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-39.267</u> dB≤-20dB.						
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

The worst test modes data decided as below and reported:

HDMI 2 in mode Vertical



Frequency	Upper Limit	Value	Title
91.047469MHz	-20dB	-39.02dB	CISPR 35
141.061475MHz	-20dB	-37.087dB	CISPR 35
1.8GHz	-20dB	-74.968dB	CISPR 35
2.6GHz	-20dB	-75.747dB	CISPR 35
3.5GHz	-20dB	-76.213dB	CISPR 35
5GHz	-20dB	-74.738dB	CISPR 35

9.7. Test photo



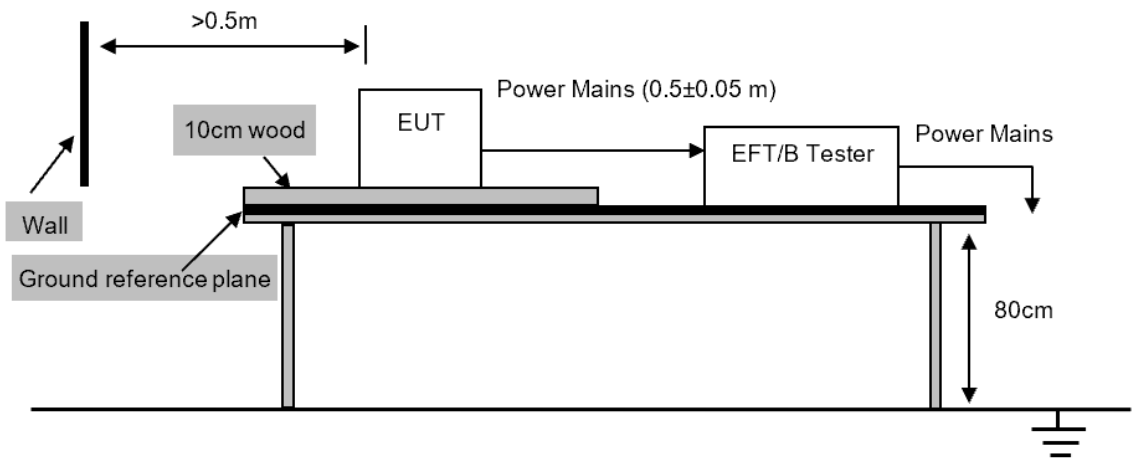
10. Electrical fast transients(EFT) test

10.1. Test equipment

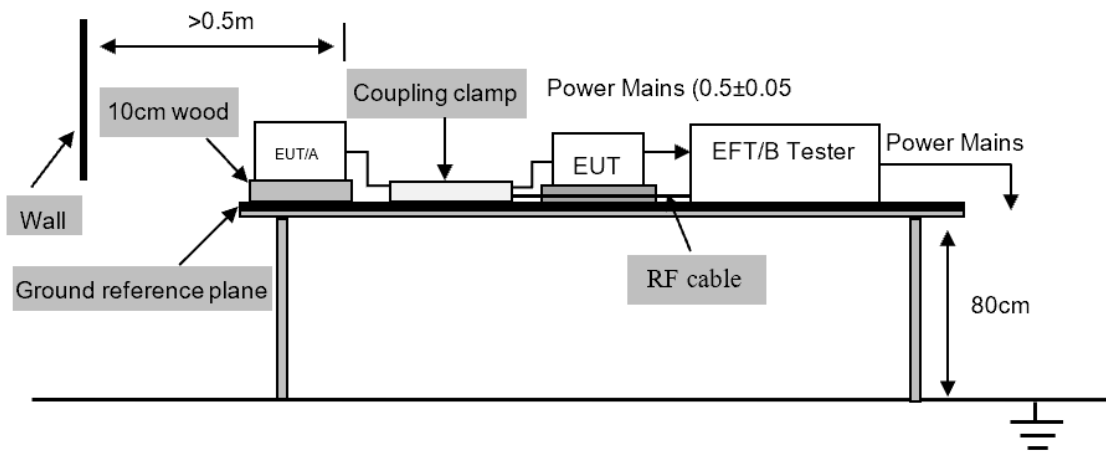
Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
EFT Generator	EMC Partner	TRA3000F	DDT-ZC00546	2026/03/28
Coupling Clamp EFT	EMC Partner	CN-EFT1000	DDT-ZC00547	2026/03/28

10.2. Block diagram of test setup

For power port (Note: if the DC network power cable may be lengths greater than 3 m, the requirement is applicable).



For analogue/digital data ports, if the cables may be longer than 3 m.



10.3. Test levels and performance criterion

Test Level			Performance Criteria
Test voltage	±1kVfor AC mains port	±0.5kV for dc input or signal port	B
Repetition Frequency	5kHz	5kHz	
Burst Duration	15ms	15ms	
Burst Period	300ms	300ms	
Inject Time(s)	120s	120s	
Inject Method	Direct for AC mains port	Capacitive coupling clamp or CDN	
Inject Line	AC mains	Analogue/digital data ports, and DC network power ports	

Note: This test shall be additionally performed on analogue/digital data ports, and DC network power ports, of radio equipment and associated ancillary equipment, if the cables may be longer than 3 m.

Performance criteria B description: During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. After the test, the EUT 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 manufacturer, when the EUT is used as intended.

10.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Router	Mi	R4A	/	/
USB Flash	Kingston	DT101 G2	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Speaker	N/A	Bar 2.0	/	/
Earphone	N/A	N/A	/	/
Speaker	JBL	JBL GO	/	/

10.5. Test procedure

The EUT and its simulators were placed on the ground reference plane and were insulated from it by a wood support 0.1m ± 0.01m thick. The ground reference plane was 1m*1m metallic sheet with 0.65mm minimum thickness. This reference ground plane was project beyond the EUT by at least 0.1m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane was more than 0.5m. All cables to the EUT was placed on the wood support, cables not subject to EFT/B was routed as far as possible from the cable under test to minimize the coupling between the cables.

For DC input and AC power ports:

The EUT was connected to the power mains by using a coupling device that couples the EFT interference signal to AC or DC power lines. Both positive transients and negative transients of test voltage were applied during compliance test and the duration of the test can't less than 2mins.

For analogue/digital data ports:

The capacitive coupling clamp was connected to the power by using a coupling device that couples the EFT interference signal to capacitive coupling clamp. Both positive transients and negative

transients of test voltage were applied during compliance test and the duration of the test can't less than 2mins.

10.6. Test result

Test Site: 7#EMC Shield Room	Test Date: 2025/11/14--2025/11/19
Condition: 24°C,48%RH	Test Engineer: Bote Huang
Memo: /	

EUT Name: Projector	EUT Model: XR06B
Sample No.: S25111310-001	Test Mode: HDMI 1 in mode
Power supply: AC 230V/50Hz	Memo: /

Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz						
Port/ Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
AC Mains/ Direct	L	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
Observation Description:						
A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector				EUT Model: XR06B		
Sample No.: S25111310-001				Test Mode: HDMI 2 in mode		
Power supply: AC 230V/50Hz				Memo:/		
Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz						
Port/ Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
AC Mains/ Direct	L	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
Observation Description:						
A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector				EUT Model: XR06B		
Sample No.: S25111310-001				Test Mode: eARC mode		
Power supply: AC 230V/50Hz				Memo:/		
Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz						
Port/ Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
AC Mains/ Direct	L	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
Observation Description:						
A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector				EUT Model: XR06B		
Sample No.: S25111310-001				Test Mode: USB 3.0 mode		
Power supply: AC 230V/50Hz				Memo:/		
Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz						
Port/ Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
AC Mains/ Direct	L	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
Observation Description:						
A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector				EUT Model: XR06B		
Sample No.: S25111310-001				Test Mode: USB 2.0 mode		
Power supply: AC 230V/50Hz				Memo:/		
Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz						
Port/ Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
AC Mains/ Direct	L	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
Observation Description:						
A: Normal performance within limits specified by the manufacturer requestor or purchaser.						

EUT Name: Projector	EUT Model: XR06B
Sample No.: S25111310-001	Test Mode: LAN mode
Power supply: AC 230V/50Hz	Memo: /

Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz

Port/ Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
AC Mains/ Direct	L	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass
	L-N-PE	+1kV	120	B	A	Pass
		-1kV	120	B	A	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

Test Burst parameters: Burst Period 300ms, Durations 15ms, Repetition Frequency 5kHz.

Port/Coupling	Line	Test Voltage	Test time(s)	Required	Observation	Result
Signal/ Capacitive Clamp	Signal	+0.5kV	120	B	A	Pass
		-0.5kV	120	B	A	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

10.7. Test photo

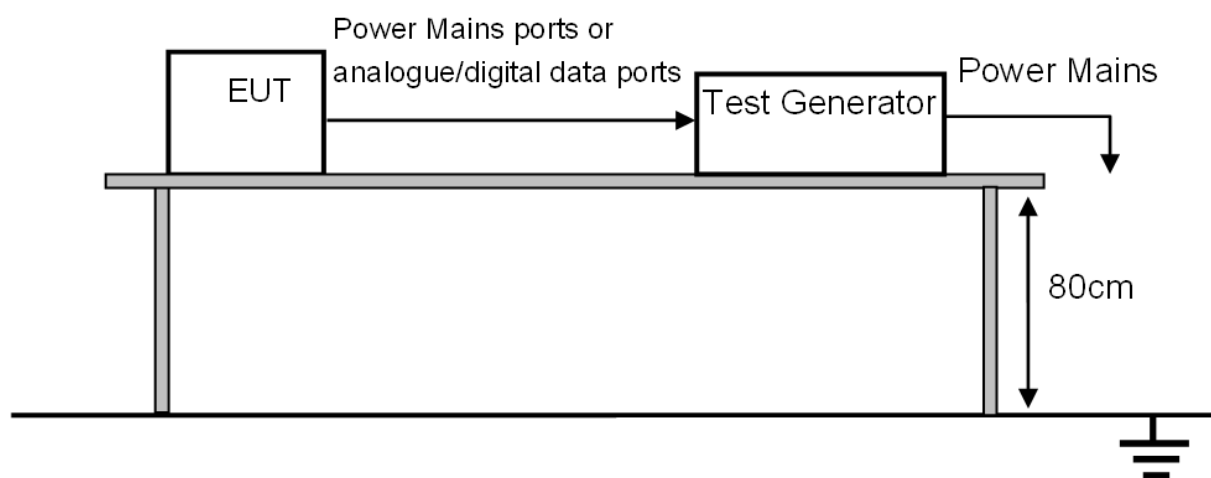


11. Surge

11.1. Test equipment

Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
SURGE Generator	EMC Partner	TRANSIENT200 0	DDT-ZC00544	2026/03/28
Surge Coupling Network	EMC Partner	CDN-UTP8 ED3	DDT-ZC00892	2026/07/06
SIGNAL LINE COUPLING NETWORK	TESEQ	CDN 117	DDT-ZC03969	2026/03/28

11.2. Block diagram of test setup



11.3. Test levels and performance criterion

Test level for AC mains ports		Performance Criterion
Line to Line	1 kV 1.2/50(8/20) μ s	B
Line to Ground	2 kV 1.2/50(8/20) μ s	B
Analogue/digital data port, Port type: unshielded symmetrical		Performance Criterion
Line to Ground	1 kV and 4 kV 10/700(5/320) μ s (used with the primary protection)	C
Line to Ground	1 kV 10/700(5/320) μ s (used without the primary protection)	C
Note: Applicable only to ports which, according to the manufacturer's specification, the cable lengths greater than 3m.		
Analogue/digital data port, Port type: coaxial or shielded		Performance Criterion
Shield to ground	0.5 kV 1.2/50(8/20) μ s	B
Note: Applicable only to ports which, according to the manufacturer's specification, the cable lengths greater than 3m.		
DC network power port		Performance Criterion
Line to reference ground	0.5 kV 1.2/50(8/20) μ s	B

Note: Applicable only to ports which, according to the manufacturer's specification, 1. The cable lengths greater than 3m; 2. May connect directly to outdoor cables.

Performance criteria B description: During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. After the test, the EUT 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 manufacturer, when the EUT is used as intended.

Performance criteria B description: Temporary loss of function or degradation of performance, the correction of which requires operator intervention.

11.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Speaker	JBL	JBL GO	/	/
Router	Mi	R4A	/	/
Earphone	N/A	N/A	/	/
Speaker	N/A	Bar 2.0	/	/
Mobile HDD	WD	WDBUZG0010B BK-EB	/	/
Mobile Drive	WD	Elements SE	/	/

11.5. Test procedure

For line-to-neutral coupling mode, provide a 0.5 kV/1 kV 1.2/50 us voltage surge (at open-circuit condition) and 8/20 us current surge to EUT selected points.

For line-to-ground coupling mode, provide a 0.5 kV/1 kV/2 kV 1.2/50 us voltage surge (at open-circuit condition) and 8/20 us current surge to EUT selected points.

The number of pulses applied shall be as follows:

- Five positive pulses line-to-neutral at 90° phase
- Five negative pulses line-to-neutral at 270° phase

The following additional pulses are required only if the EUT has an earth connection or if the EUT is earthed via any AE.

- Five positive pulses line-to-earth at 90° phase
- Five negative pulses line-to-earth at 270° phase
- Five negative pulses neutral-to-earth at 90° phase
- Five positive pulses neutral-to-earth at 270° phase

Maximum 1/min repetition rate are applied during test.

Different phase angles are done individually.

For telecommunication surge test, each line of internet port to ground coupling mode, provide a 1.0 kV 10/700 us voltage surge (at open-circuit condition) and 5/320us current surge to EUT selected points.

At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are applied during test.

Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

11.6. Test result

Test Site: 1# Surge Room	Test Date: 2025/11/19--2025/11/19
Condition: 22°C,47%RH	Test Engineer: Liu Xuhui
Memo: /	

EUT Name: Projector	EUT Model: XR06B
Sample No.: S25111310-001	Test Mode: HDMI 1 in mode
Power supply: AC 230V/50Hz	Memo: /

Test wave parameters: Wave Type: 1.2/50us-8/20us; The positive pulse is applied 5 times at 90° and the negative pulse 5 times at 270°; Pulse Interval: 60s

Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
L-N	2Ω	+0.5kV	B	A	Pass
	2Ω	-0.5kV	B	A	Pass
L-N	2Ω	+1kV	B	A	Pass
	2Ω	-1kV	B	A	Pass
L-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
N-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
L-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
N-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
L-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
N-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: HDMI 2 in mode		
Power supply: AC 230V/50Hz			Memo:/		
Test wave parameters: Wave Type: 1.2/50us-8/20us; The positive pulse is applied 5 times at 90° and the negative pulse 5 times at 270°; Pulse Interval: 60s					
Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
L-N	2Ω	+0.5kV	B	A	Pass
	2Ω	-0.5kV	B	A	Pass
L-N	2Ω	+1kV	B	A	Pass
	2Ω	-1kV	B	A	Pass
L-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
N-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
L-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
N-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
L-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
N-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
Observation Description:					
A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: eARC mode		
Power supply: AC 230V/50Hz			Memo:/		
Test wave parameters: Wave Type: 1.2/50us-8/20us; The positive pulse is applied 5 times at 90° and the negative pulse 5 times at 270°; Pulse Interval: 60s					
Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
L-N	2Ω	+0.5kV	B	A	Pass
	2Ω	-0.5kV	B	A	Pass
L-N	2Ω	+1kV	B	A	Pass
	2Ω	-1kV	B	A	Pass
L-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
N-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
L-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
N-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
L-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
N-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 3.0 mode		
Power supply: AC 230V/50Hz			Memo:/		
Test wave parameters: Wave Type: 1.2/50us-8/20us; The positive pulse is applied 5 times at 90° and the negative pulse 5 times at 270°; Pulse Interval: 60s					
Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
L-N	2Ω	+0.5kV	B	A	Pass
	2Ω	-0.5kV	B	A	Pass
L-N	2Ω	+1kV	B	A	Pass
	2Ω	-1kV	B	A	Pass
L-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
N-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
L-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
N-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
L-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
N-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
Observation Description:					
A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 2.0 mode		
Power supply: AC 230V/50Hz			Memo:/		
Test wave parameters: Wave Type: 1.2/50us-8/20us; The positive pulse is applied 5 times at 90° and the negative pulse 5 times at 270°; Pulse Interval: 60s					
Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
L-N	2Ω	+0.5kV	B	A	Pass
	2Ω	-0.5kV	B	A	Pass
L-N	2Ω	+1kV	B	A	Pass
	2Ω	-1kV	B	A	Pass
L-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
N-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
L-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
N-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
L-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
N-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
Observation Description:					
A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: LAN mode		
Power supply: AC 230V/50Hz			Memo:/		
Test wave parameters: Wave Type: 1.2/50us-8/20us; The positive pulse is applied 5 times at 90° and the negative pulse 5 times at 270°; Pulse Interval: 60s					
Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
L-N	2Ω	+0.5kV	B	A	Pass
	2Ω	-0.5kV	B	A	Pass
L-N	2Ω	+1kV	B	A	Pass
	2Ω	-1kV	B	A	Pass
L-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
N-PE	12Ω	+0.5kV	B	A	Pass
	12Ω	-0.5kV	B	A	Pass
L-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
N-PE	12Ω	+1kV	B	A	Pass
	12Ω	-1kV	B	A	Pass
L-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass
N-PE	12Ω	+2kV	B	A	Pass
	12Ω	-2kV	B	A	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: LAN mode		
Power supply: AC 230V/50Hz			Memo:/		
Test wave parameters: Wave Type: 1.2/50us-8/20us; Voltage Phase: N/A; Pulse times: 5 times at each polarity; Pulse Interval: 60s					
Line/Port	Internal impedance	Test Voltage	Required	Observation	Result
Signal	42Ω	+0.5kV	B	A	Pass
	42Ω	-0.5kV	B	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser;					

11.7. Test photo



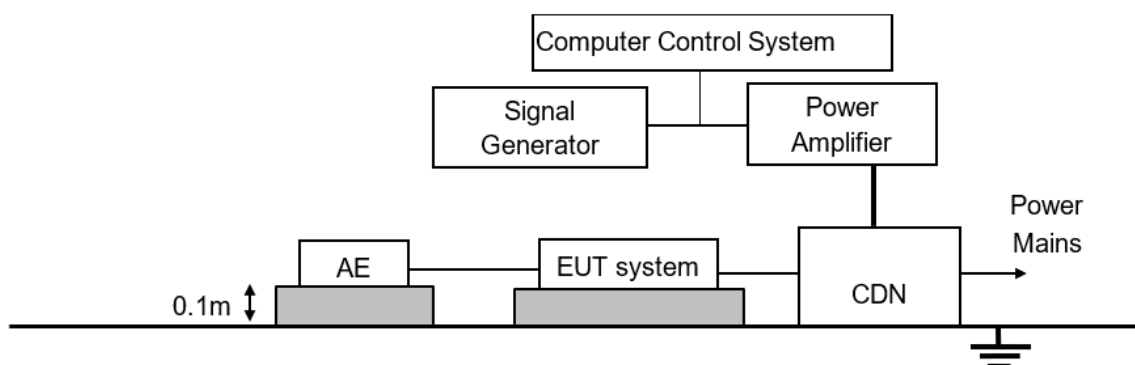
12. Continuous Conducted Disturbances

12.1. Test equipment

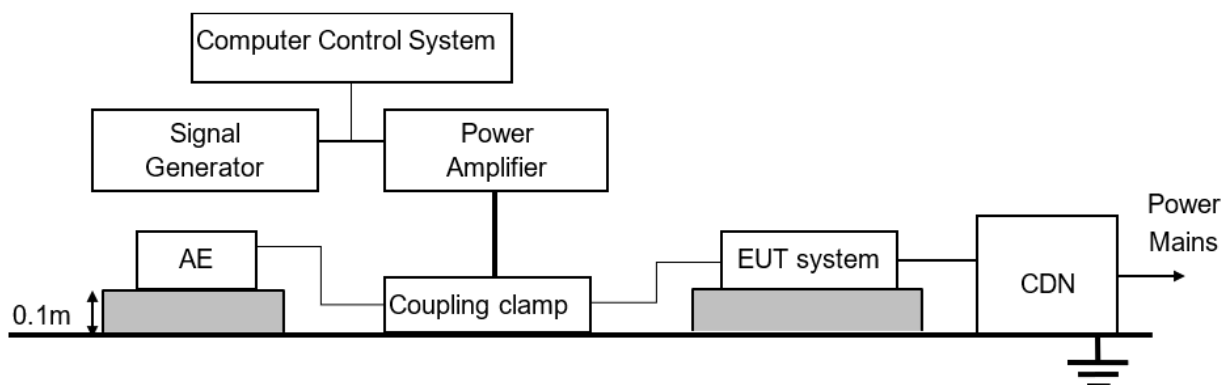
Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
Conducted Immunity Tester	FRANKONIA	CIT-10	DDT-ZC00551	2026/03/28
CDN	SCHWARZBEC K	CDN M2/M3PE 16A	DDT-ZC01558	2026/07/06
Attenuation	BIRD	DAM75W (6dB)	DDT-ZC00555	2026/07/06
CDN	SHANGHAI LIONCEL	CDN-M3-32	DDT-ZC01540	2026/07/06
CS Test Software	SKET	EMC-S	DDT-ZC01429	/
CDN	FRANKONIA	CDNT8	DDT-ZC00553	2026/07/06
Audio Analyzer	R&S	UPL16	DDT-ZC00245	2026/03/28

12.2. Block diagram of test setup

For power port (Note: if the DC network power cable may be lengths greater than 3 m, the requirement is applicable).



For signal/wired network/control ports, if the cables may be longer than 3 m.



12.3. Test levels and performance criterion

Test Level		Performance Criteria
Frequency and Field Strength	0.15 MHz to 10 MHz, 3V rms voltage level of the unmodulated signal	A
	10 MHz to 30 MHz, 3V to 1V rms voltage level of the unmodulated signal	
	30 MHz to 80 MHz, 1V rms voltage level of the unmodulated signal	
Modulation	AM modulated to a depth of 80% by a sine wave of ☒ 1 kHz/ ☐ 400 Hz (note 1)	
Step Size	1% increments	
Dwell time	≤5 Sec.	

Note 1: The 1 kHz modulation may be replaced by a different audio modulation frequency more appropriate for a given EUT if, for example, 1 kHz is not within the operating audio range of the EUT.

Note 2: This test shall be additionally performed on analogue/digital data ports, DC network power ports of equipment, if the cables may be longer than 3 m.

Performance criteria A description for devices with the audio output function: The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.

☐ The acoustic measurement method was selected according to clause G6.4.1 of EN 55035.

☒ The electrical measurement method was selected according to clause G6.4.2 of EN 55035.

Performance criteria A for devices with the telephony function.

Frequency range MHz	Acoustic or electrical interference ratio	Equivalent direct measurement		
		dB(SPL)	Digital dBm0	Analogue dBm0
0.15 to 30	-20 dB	55	-50	-50
30 to 80	-10 dB	65	-40	-40

Note: At the step in the frequency range, the lower limit shall be applied.

The interference ratio (electrical or acoustic) shall meet the limits in column 2; or,
The acoustic level of the demodulated audio shall be less than the limits in column 3; or,
The digitally coded level of demodulated audio shall be less than limits in column 4; or,
The analogue level of the demodulated audio shall be less than the limits in column 5.

Performance criteria A description for other devices: During and after the test the EUT shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a minimum performance level specified by the manufacturer when the EUT is used as intended.

12.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Router	Mi	R4A	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Earphone	N/A	N/A	/	/
Speaker	JBL	JBL GO	/	/
Speaker	N/A	Bar 2.0	/	/
Speaker	Edifier	R1280DBs	/	/
USB Flash	Kingston	DT101 G2	/	/

12.5. Test procedure

The EUT are placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane about 0.3m 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).

The disturbance signal described below is injected to EUT through CDN.

The EUT operates within its operational mode(s) under intended climatic conditions after power on.

The frequency range is swept from 0.15 MHz to 80 MHz, the interference signal level according to standard, and with the disturbance signal 80% amplitude modulated with sine wave.

The step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.

Recording the EUT operating situation during compliance testing and decide the EUT immunity criterion.

12.6. Test result

Test Site: 6#EMC Shield Room	Test Date: 2025/11/14--2025/11/18
Condition: 24°C,41%RH	Test Engineer: Xu Jianhao
Memo: /	

EUT Name: Projector	EUT Model: XR06B
Sample No.: S25111310-001	Test Mode: HDMI 1 in mode
Power supply: AC 230V/50Hz	Memo:/

Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation

Test frequency	Injected Position	Strength	Required	Observation	Result
0.15MHz to 10MHz	AC Port	3V	A	A	Pass
10MHz to 30MHz	AC Port	3V to 1V	A	A	Pass
30MHz to 80MHz	AC Port	1V	A	A	Pass

Note: For the device with audio output function,
The electrical measurement method was selected according to clause G6.4.2 of EN 55035.
Acoustic interference ratio= -41.105 dB≤-20dB.

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

EUT Name: Projector		EUT Model: XR06B			
Sample No.: S25111310-001		Test Mode: HDMI 2 in mode			
Power supply: AC 230V/50Hz		Memo:/			
Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation					
Test frequency	Ⓜ Injected Position	Strength	Ⓜ Required	Observation	Ⓜ Result
0.15MHz to 10MHz	AC Port	3V	A	A	Pass
10MHz to 30MHz	AC Port	3V to 1V	A	A	Pass
30MHz to 80MHz	AC Port	1V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-36.759</u> dB≤-20dB.					
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: eARC mode		
Power supply: AC 230V/50Hz			Memo:/		
Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation					
Test frequency	Injected Position	Strength	Required	Observation	Result
0.15MHz to 10MHz	AC Port	3V	A	A	Pass
10MHz to 30MHz	AC Port	3V to 1V	A	A	Pass
30MHz to 80MHz	AC Port	1V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-42.076</u> dB≤-20dB.					
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 3.0 mode		
Power supply: AC 230V/50Hz			Memo:/		
Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation					
Test frequency	Injected Position	Strength	Required	Observation	Result
0.15MHz to 10MHz	AC Port	3V	A	A	Pass
10MHz to 30MHz	AC Port	3V to 1V	A	A	Pass
30MHz to 80MHz	AC Port	1V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-45.223</u> dB≤-20dB.					
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

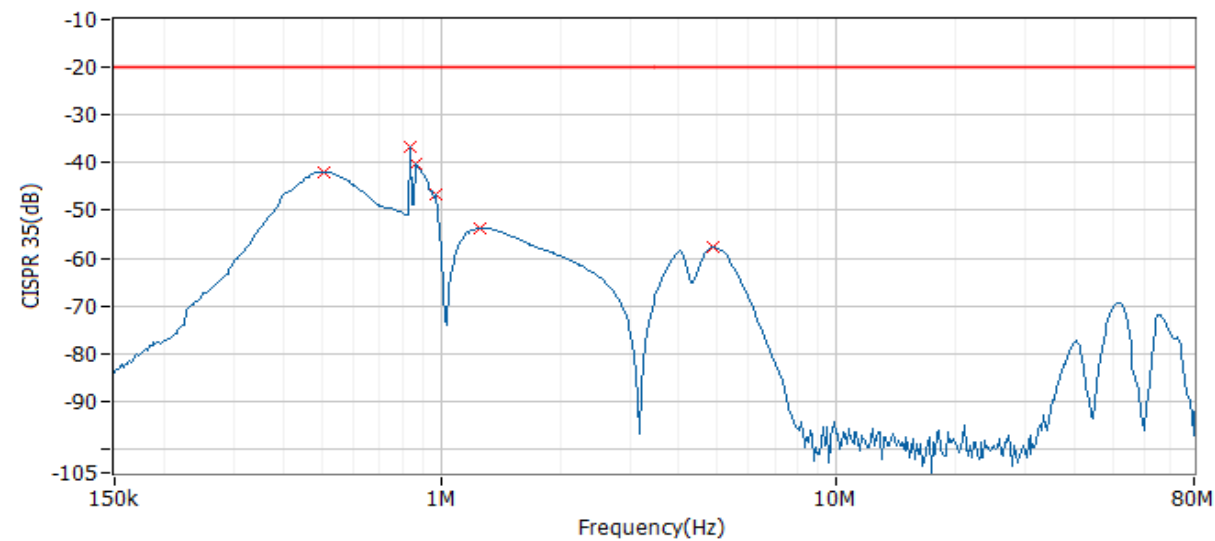
EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 2.0 mode		
Power supply: AC 230V/50Hz			Memo:/		
Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation					
Test frequency	Injected Position	Strength	Required	Observation	Result
0.15MHz to 10MHz	AC Port	3V	A	A	Pass
10MHz to 30MHz	AC Port	3V to 1V	A	A	Pass
30MHz to 80MHz	AC Port	1V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-41.321</u> dB≤-20dB.					
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector	EUT Model: XR06B				
Sample No.: S25111310-001	Test Mode: LAN mode				
Power supply: AC 230V/50Hz	Memo:/				
Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation					
Test frequency	Injected Position	Strength	Required	Observation	Result
0.15MHz to 10MHz	AC Port	3V	A	A	Pass
10MHz to 30MHz	AC Port	3V to 1V	A	A	Pass
30MHz to 80MHz	AC Port	1V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-46.11</u> dB≤-20dB.					
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: LAN mode		
Power supply: AC 230V/50Hz			Memo: /		
Test steps: 1%, Dwell time 1s, 1kHz 80% AM modulation					
Test frequency	Injected Position	Strength	Required	Observation	Result
0.15MHz to 10MHz	LAN Port	3V	A	A	Pass
10MHz to 30MHz	LAN Port	3V to 1V	A	A	Pass
30MHz to 80MHz	LAN Port	1V	A	A	Pass
Note: For the device with audio output function, The electrical measurement method was selected according to clause G6.4.2 of EN 55035. Acoustic interference ratio= <u>-56.908</u> dB≤-20dB.					
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.					

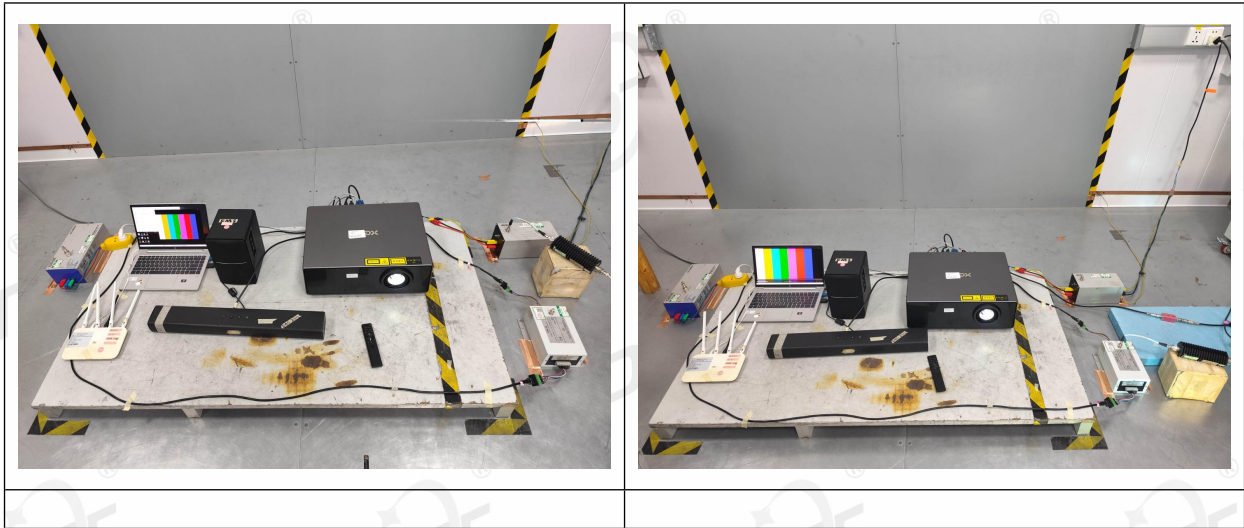
The worst test modes data decided as below and reported:

HDMI 2 in mode



Frequency	Upper Limit	Value	Title
505.126kHz	-20dB	-42.114dB	CISPR 35
839.086kHz	-20dB	-36.759dB	CISPR 35
864.512kHz	-20dB	-40.121dB	CISPR 35
974.162kHz	-20dB	-46.741dB	CISPR 35
1.261803MHz	-20dB	-53.689dB	CISPR 35
4.883279MHz	-20dB	-57.707dB	CISPR 35

12.7. Test photo

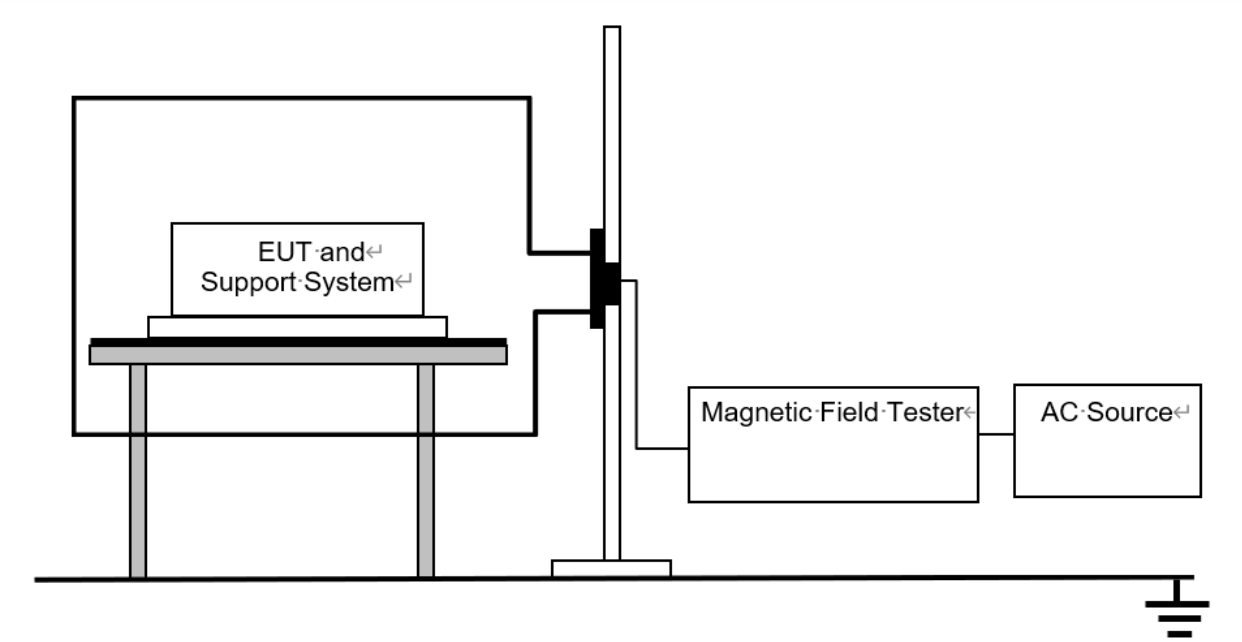


13. Power-Frequency Magnetic Fields

13.1. Test equipment

Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
DIPS TESTER	EMC Partner	EXT-TRA3000D	DDT-ZC00548	2026/03/28
Magnetic Field Tester	EMC Partner	MF1000-1	DDT-ZC00550	2026/07/07

13.2. Block diagram of test setup



13.3. Test levels and performance criterion

Level	Magnetic Field Strength (A/m)	Performance Criterion
1	1	A

Performance criteria A description: During and after the test the EUT shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a minimum performance level specified by the manufacturer when the EUT is used as intended.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Speaker	JBL	JBL GO	/	/
Router	Mi	R4A	/	/
Speaker	N/A	Bar 2.0	/	/
Earphone	N/A	N/A	/	/
USB Flash	Kingston	DT101 G2	/	/
Speaker	Edifier	R1280DBs	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/

13.5. Test procedure

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

13.6. Test result

Test Site: 7#EMC Shield Room	Test Date: 2025/11/14--2025/11/19
Condition: 24°C,48%RH	Test Engineer: Bote Huang
Memo: /	

EUT Name: Projector		EUT Model: XR06B		
Sample No.: S25111310-001		Test Mode: HDMI 1 in mode		
Power supply: AC 230V/50Hz		Memo:/		
Test parameters	Coil Orientation	Required	Observation	Result
1A/m 50Hz Duration 300s	X	A	A	Pass
	Y	A	A	Pass
	Z	A	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.				

EUT Name: Projector		EUT Model: XR06B		
Sample No.: S25111310-001		Test Mode: HDMI 2 in mode		
Power supply: AC 230V/50Hz		Memo:/		
Test parameters	Coil Orientation	Required	Observation	Result
1A/m 50Hz Duration 300s	X	A	A	Pass
	Y	A	A	Pass
	Z	A	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.				

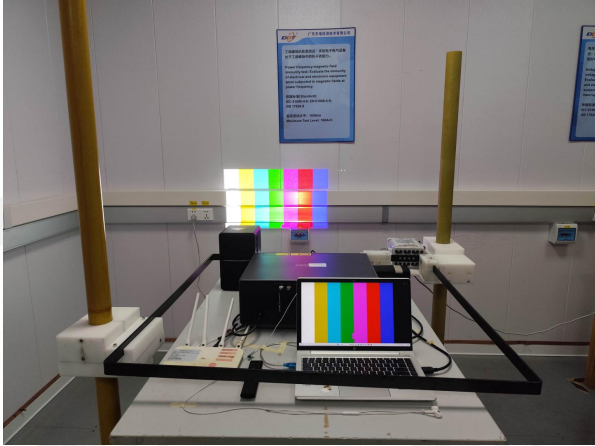
EUT Name: Projector		EUT Model: XR06B		
Sample No.: S25111310-001		Test Mode: eARC mode		
Power supply: AC 230V/50Hz		Memo:/		
Test parameters	Coil Orientation	Required	Observation	Result
1A/m 50Hz Duration 300s	X	A	A	Pass
	Y	A	A	Pass
	Z	A	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.				

EUT Name: Projector		EUT Model: XR06B		
Sample No.: S25111310-001		Test Mode: USB 3.0 mode		
Power supply: AC 230V/50Hz		Memo:/		
Test parameters	Coil Orientation	Required	Observation	Result
1A/m 50Hz Duration 300s	X	A	A	Pass
	Y	A	A	Pass
	Z	A	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.				

EUT Name: Projector		EUT Model: XR06B		
Sample No.: S25111310-001		Test Mode: USB 2.0 mode		
Power supply: AC 230V/50Hz		Memo:/		
Test parameters	Coil Orientation	Required	Observation	Result
1A/m 50Hz Duration 300s	X	A	A	Pass
	Y	A	A	Pass
	Z	A	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.				

EUT Name: Projector		EUT Model: XR06B		
Sample No.: S25111310-001		Test Mode: LAN mode		
Power supply: AC 230V/50Hz		Memo:/		
Test parameters	Coil Orientation	Required	Observation	Result
1A/m 50Hz Duration 300s	X	A	A	Pass
	Y	A	A	Pass
	Z	A	A	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser.				

13.7. Test photo

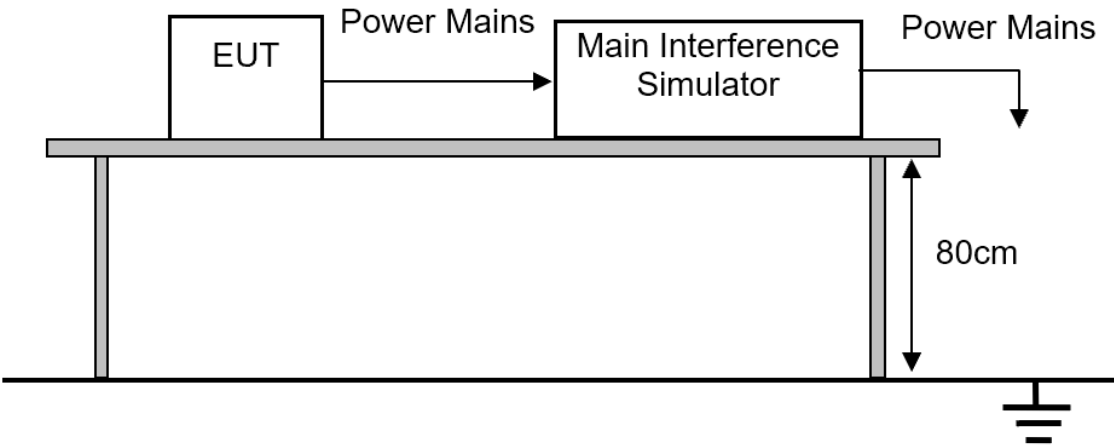
	/
	/

14. Voltage Dips and Interruptions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Equipment No.	Cal. Due to
EFT Generator	EMC Partner	TRA3000F	DDT-ZC00546	2026/03/28
DIPS TESTER	EMC Partner	EXT-TRA3000D	DDT-ZC00548	2026/03/28

14.2. Block diagram of test setup



14.3. Test levels and performance criterion

Test Level%UT	Duration(in period)	PerformanceCriterion
<5	0.5	B
70	25 for 50Hz/30 for 60Hz	C
<5	250 for 50Hz/300 for 60Hz	C

Performance criteria B description: During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. After the test, the EUT 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 manufacturer, when the EUT is used as intended.

Performance criteria C description: During and after testing, a temporary loss of function is allowed, provided the function is self recoverable, or can be restored by the operation of the controls or cycling of the power to the EUT by the user in accordance with the manufacturer's instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Speaker	N/A	Bar 2.0	/	/
Router	Mi	R4A	/	/
Speaker	JBL	JBL GO	/	/
Earphone	N/A	N/A	/	/
USB Flash	Kingston	DT101 G2	/	/

14.5. Test procedure

The EUT and test generator were setup as shown. The interruptions are introduced at selected phase angles with specified duration. Record any degradation of performance.

Note: Changes to occur at 0 degree crossover point of the voltage waveform. If the EUT does not demonstrate compliance when tested with 0 degree switching, the test shall be repeated with the switching occurring at both 90 degrees and 270 degrees. If the EUT satisfies these alternative requirements, then it fulfils the requirements.

14.6. Test result

Test Site: 7#EMC Shield Room	Test Date: 2025/11/14--2025/11/19
Condition: /	Test Engineer: Bote Huang
Memo: /	

EUT Name: Projector	EUT Model: XR06B
Sample No.: S25111310-001	Test Mode: HDMI 1 in mode
Power supply: AC 240V/50Hz	Memo: /

Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	25P	0° to 360°	C	A	Pass
0	250P	0° to 360°	C	C	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.

EUT Name: Projector	EUT Model: XR06B
Sample No.: S25111310-001	Test Mode: HDMI 1 in mode
Power supply: AC 100V/60Hz	Memo: /

Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	30P	0° to 360°	C	A	Pass
0	300P	0° to 360°	C	C	Pass

Observation Description:

A: Normal performance within limits specified by the manufacturer requestor or purchaser.

C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: HDMI 2 in mode		
Power supply: AC 240V/50Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	25P	0° to 360°	C	A	Pass
0	250P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: HDMI 2 in mode		
Power supply: AC 100V/60Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	30P	0° to 360°	C	A	Pass
0	300P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: eARC mode		
Power supply: AC 240V/50Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	25P	0° to 360°	C	A	Pass
0	250P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: eARC mode		
Power supply: AC 100V/60Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	30P	0° to 360°	C	A	Pass
0	300P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 3.0 mode		
Power supply: AC 240V/50Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	25P	0° to 360°	C	A	Pass
0	250P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 3.0 mode		
Power supply: AC 100V/60Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	30P	0° to 360°	C	A	Pass
0	300P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

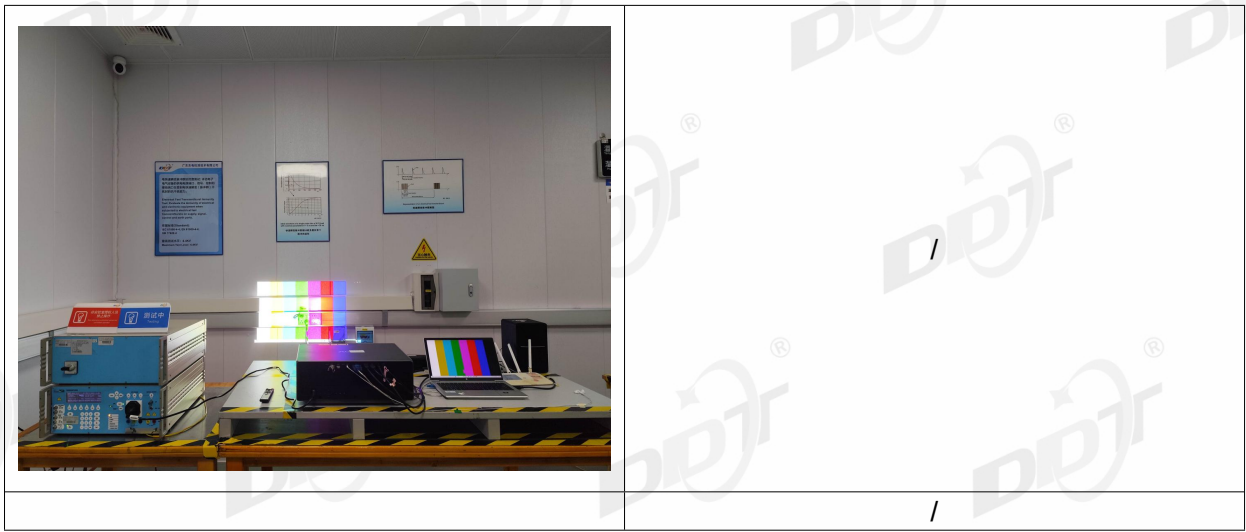
EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 2.0 mode		
Power supply: AC 240V/50Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	25P	0° to 360°	C	A	Pass
0	250P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: USB 2.0 mode		
Power supply: AC 100V/60Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	30P	0° to 360°	C	A	Pass
0	300P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: LAN mode		
Power supply: AC 240V/50Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	25P	0° to 360°	C	A	Pass
0	250P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

EUT Name: Projector			EUT Model: XR06B		
Sample No.: S25111310-001			Test Mode: LAN mode		
Power supply: AC 100V/60Hz			Memo: /		
Voltage Dips & Short Interruptions %U _T	Duration (in period)	Phase Angle	Required	Observation	Result
0	0.5P	0° to 360°	B	A	Pass
70	30P	0° to 360°	C	A	Pass
0	300P	0° to 360°	C	C	Pass
Observation Description: A: Normal performance within limits specified by the manufacturer requestor or purchaser. C: During the test period, the projection of the prototype was stopped and manual restoration was required after the test was completed.					

14.7. Test photo



15. Photos of the EUT

Please refer to Appendix I : DDT-Q25111310-1E

-----End Report-----