

CE EMC TEST REPORT

Applicant	:	TPV Electronics (Fujian) Co., Ltd.	
Address	:	Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China	
Equipment under Test	:	LCD Monitor	
Model No.	:	Q27P4U,**Q27E4*******,**Q27P4******* ("*" = 0-9, A- Z, a-z, +, -, /, \ or blank)	
Report No.	:	DDT-B25042903-1E01	
Issue Date		May. 23, 2025	
Issued By	:	Tianjin Dongdian Testing Service Co. Ltd.	
Address		Building D-1, No. 19, Weisi Food Microelectronics Industrial Park, Development Area, Tianjin, China. Tel: +86-022-58038033, E-nai ddt@gddt.com http://www.ddttest.com	

REPORT

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Test Report Declare

Applicant	:	TPV Electronics (Fujian) Co., Ltd.	
Address :		Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China	
Equipment under Test	:	LCD Monitor	
Model No.	:	Q27P4U,**Q27E4*******,**Q27P4******** ("*" = 0-9, A-Z, a-z, +, -, /, \ or blank)	

Test Standard Used:

AS/NZS CISPR 32:2015,AS/NZS CISPR 32:2015 AMD 1:2020,BS EN 55032:2015,BS EN 55032:2015+A11:2020,BS EN 55032:2015+A11:2020,BS EN 55032:2017+A11:2020,BS EN 61000-3-3:2013,BS EN 61000-3-3:2013+A1:2019,BS EN 61000-3-3:2013+A2:2021,BS EN IEC 61000-3-2:2019+A1:2021,BS EN IEC 61000-3-2:2019+A2:2024,CISPR 32:2015,CISPR 32:2015/AMD1:2019,CISPR 35:2016,EN 55032:2015,EN 55032:2015/A11:2020,EN 55032:2015/A11:2020,EN 55035:2017,EN 55035:2017/A11:2020,EN 61000-3-2:2014,EN 61000-3-3:2013,EN 61000-3-3:2013/A1:2019,EN 61000-3-3:2013/A2:2021,EN 61000-3-3:2013/A2:2021/AC:2022-01,EN IEC 61000-3-2:2019,EN IEC 61000-3-2:2019/A1:2021,EN IEC 61000-4-2:2025,IEC 61000-4-3:2020,IEC 61000-4-4:2012,IEC 61000-4-5:2014+AMD1:2017 CSV,IEC 61000-4-6:2023,IEC 61000-4-8:2009

We Declare:

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

After test and evaluation, our opinion is that the equipment provided in test compliance with the requirement of the above standards.

 Report No.:
 DDT-B25042903-1E01
 Date of Receipt:
 May. 06, 2025
 Date of Test:
 May. 14, 2025~May. 21 2025

 $C \in \mathcal{A}$

Prepared By:

Novak Wei

Novak Wei/Engineer

Aaron Zhang/EMC Manager

Report No.: DDT-B25042903-1E01

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

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

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Revision History

Report No.: DDT-B25042903-1E01

Rev	Revisions	Issue Date	Revised By
	Initial issue	May. 23, 2025	8
		×	1

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1 Summary of Test Results

Description of Test Item	Standard	Result
Description of Test Item		Result
Conducted Emissions (AC mains power ports)	EN 55032:2015, EN 55032:2015/A11:2020, EN 55032:2015/A1:2020, BS EN 55032:2015+A1:2020, BS EN 55032:2015, BS EN 55032:2015+A11:2020, CISPR 32:2015, CISPR 32:2015/AMD1:2019, AS/NZS CISPR 32:2015 AMD 1:2020	® Pass
Radiated Emissions (30MHz to 1GHz)	EN 55032:2015, EN 55032:2015/A11:2020, EN 55032:2015/A1:2020, BS EN 55032:2015+A1:2020, BS EN 55032:2015, BS EN 55032:2015+A11:2020, CISPR 32:2015, CISPR 32:2015, AS/NZS CISPR 32:2015, AS/NZS CISPR 32:2015 AMD 1:2020	Pass
Radiated Emissions (Above 1GHz)	EN 55032:2015, EN 55032:2015/A11:2020, EN 55032:2015/A1:2020, BS EN 55032:2015+A1:2020, BS EN 55032:2015, BS EN 55032:2015, CISPR 32:2015, CISPR 32:2015/AMD1:2019, AS/NZS CISPR 32:2015,	Pass
Harmonic Current Emissions	EN 61000-3-2:2014, EN IEC 61000-3-2:2019/A1:2021, EN IEC 61000-3-2:2019/A2:2024, EN IEC 61000-3-2:2019, BS EN IEC 61000-3-2:2019+A1:2021, BS EN IEC 61000-3-2:2019+A2:2024,	N/A
Voltage Changes, Voltage Fluctuations and Flicker	EN 61000-3-3:2013, EN 61000-3-3:2013/A1:2019, EN 61000-3-3:2013/A2:2021, EN 61000-3-3:2013/A2:2021/AC:2022-01, BS EN 61000-3-3:2013, BS EN 61000-3-3:2013+A1:2019, BS EN 61000-3-3:2013+A2:2021,	Pass
Electrostatic Discharge Immunity	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-2:2025	Pass
Radiated, Radio-frequency, Electromagnetic Field Immunity	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-3:2020	Pass

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Electrical Fast Transient/Burst Immunity	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-4:2012	Pass
Surge Immunity	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-5:2014+AMD1:2017 CSV	Pass
Immunity to Conducted Disturbances, Induced by Radio- frequency Fields	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-6:2023	Pass
Power Frequency Magnetic Field Immunity	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-8:2009	Pass
Voltage Dips, Short Interruptions and Voltage Variations Immunity	EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-11:2020/COR2:2022	Pass

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2 General Test Information

2.1 Description of EUT

EUT Name	:	LCD Monitor	
Model Number	:	Q27P4U,**Q27E4*******,**Q27P4******** ("*" = 0-9, A-Z, a-z, +, -, /, \ or blank)	
Model Differences	:	All models difference is in sale marketing.	
Serial Number	:	N/A	
Test Model	:	Q27P4U	
Sample No.	:	Y25042903-01	
Power supply	:	AC 100-240V ~ 50/60Hz	
Test Power supply	:	AC 230V 50Hz, 110V 60Hz	
EUT Class	:	Class B	
Maximum work frequency	:	483 MHz	

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2.2 Primary Function of EUT

Function	Description
Broadcast reception function	N/A
Print	N/A
Scan	N/A
Display or display output	Display
Musical tone generating	N/A
Networking	N/A
Audio output	Audio output function (audio output port and two speakers)
Telephony	N/A
Bluetooth	N/A
Other	N/A

2.3 Port of EUT

Port	Description
AC mains power ports	AC mains power port
DC network power port	N/A
Wired network port	N/A
Signal data/control port	Two HDMI in Ports, One DP in Port, Three USB-A Ports, One USB-B Port, One Type-C Port
Antenna port	N/A
Broadcast receiver tuner port	N/A
Audio output port	One Audio out Port
Video output port	N/A
Other	N/A

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2.4 Accessories of EUT

Accessories	Manufacturer	Model No.	Description	Remark
AC Cable	N/A	N/A	Length:1.2m/1.5m/1.8 m, Unshielded	N/A
DP Cable	N/A	N/A	Length: 1.2m/1.5m/1.8m, Shielded	N/A
HDMI Cable	N/A	N/A	Length: 1.2m/1.5m/1.8m, Shielded	N/A
USB Cable	N/A	N/A	Length: 1.2m/1.5m/1.8m, Shielded	N/A

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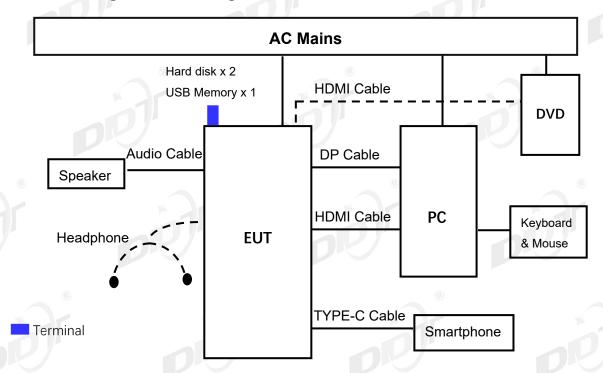
2.5 Test peripherals

Device	Manufacturer	Model No.	Description	Remark
Audio Cable	N/A	N/A	N/A ®	N/A
DVD	PHILIPS	TAEP200/93	HCPE2025000750	N/A
Hard Disk	TOSHIBA	DTB410	2157T08BTLSH	N/A
Headphone	N/A	N/A	N/A	N/A
Keyboard	DELL	N/A	N/A	N/A
Mouse	DELL	N/A	N/A ®	N/A
PC	LENOVO	GeekPro-14ACN	M70Q5KC0	N/A
PC	Hewlett-Packard	TPC-W058-MT	8CG0321Q58	N/A
PC	DELL	Vostro 5890	700SBD3	N/A
Smart Phone	SAMSUNG	SM-A5070	R58N422B1FX	N/A
Speaker	JBL	GO2+	N/A	N/A
Speaker	JBL	JBL GO VM	ND0035-Al6859585	N/A
USB Memory	N/A	N/A	N/A	N/A

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2.6 Block diagram EUT configuration for test



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2.7 EUT operating mode(s)

Mode 1 HDMI1	Connect HDMI cable from PC's HDMI port to EUT's HDMI Port. Connect DP cable from PC's DP port to EUT's DP Port. Connect USB cable from PC's USB port to EUT's USB-B Port. Connect hard disk and USB memory to EUT's USB-A port. Connect smartphone to EUT's Type-C port. Connect speaker to EUT's Audio out port. Switch source to HDMI1. The test signal is color bars with moving picture element according to ITU-R BT 471-1.
Mode 2 HDMI2	Connect HDMI cable from PC's HDMI port to EUT's HDMI Port. Connect DP cable from PC's DP port to EUT's DP Port. Connect USB cable from PC's USB port to EUT's USB-B Port. Connect hard disk and USB memory to EUT's USB-A port. Connect smartphone to EUT's Type-C port. Connect speaker to EUT's Audio out port. Switch source to HDMI2. The test signal is color bars with moving picture element according to ITU-R BT 471-1.
Mode 3 DP	Connect HDMI cable from PC's HDMI port to EUT's HDMI Port. Connect DP cable from PC's DP port to EUT's DP Port. Connect USB cable from PC's USB port to EUT's USB-B Port. Connect hard disk and USB memory to EUT's USB-A port. Connect smartphone to EUT's Type-C port. Connect speaker to EUT's Audio out port. Switch source to DP. The test signal is color bars with moving picture element according to ITU-R BT 471-1.

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2.8 Performance Criteria

Criterion	Description
A	The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
B	During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test. After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended.
ig)r	The performance level may be replaced by a permissible loss of performance. If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
C ®	Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

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2.9 Deviations of test standard

[Standard deviation 1] Electrostatic discharge immunity test was done according to IEC 61000-4-2:2025 instead of IEC 61000-4-2:2008.

[Standard deviation 2] Radiated, radio-frequency, electromagnetic field immunity test was done according to IEC 61000-4-3:2020 instead of IEC 61000-4-3:2006+AMD1:2007+AMD2:2010. [Standard deviation 3] Surge immunity test was done according to IEC 61000-4-5:2014+AMD1:2017 CSV instead of IEC 61000-4-5:2005.

[Standard deviation 4] Radio-frequency conducted immunity test was done according to IEC 61000-4-6:2023 instead of IEC 61000-4-6:2008.

[Standard deviation 5] Voltage dips, short interruptions and voltage variations immunity tests was done according to IEC 61000-4-11:2020/COR2:2022 instead of IEC 61000-4-11:2004.

2.10 Test laboratory

Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianiin, China.

Tel: +86-22-58038033, http://www.ddttest.com, Email: ddt@dgddt.com

NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

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2.11 Measurement uncertainty

Test Item	Uncertainty				
Conducted Emissions at Mains Power Port	3.4 dB (150KHz-30MHz)				
Conducted Emissions at Telecommunication Port (ISN T800)	% 4.59 dB				
Conducted Emissions at Telecommunication Port (ISN ST08)	3.5 dB				
Redicted Emissions (20MHz to 10Hz)	5.2 dB (Antenna Polarize: Hor.)				
Radiated Emissions (30MHz to 1GHz)	5.2 dB (Antenna Polarize: Ver.)				
Radiated Emissions (Above 1GHz)	® 5.0 dB ®				
Harmonic Current Emissions	3.1 %				
Voltage Changes, Voltage Fluctuations and Flicker	1.7 %				

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

We have conducted the Electrostatic discharge, Electrical fast transient/burst, Surge, Voltage dips, short interruptions and voltage variations tests to check the uncertainty. Radiated, radio-frequency, electromagnetic field 5.4 dB. Conducted disturbances, induced by radio-frequency fields 1.1 dB.

2.12 Abbreviations

For the purposes of the present document, the following abbreviations apply:

EUT: Equipment Under Test

QP: Quasi-Peak PK: Peak, AV: Average

CAV: CISPR Average

CDN: Coupling Decoupling Network

AM: Amplitude Modulation

N/A: Not Applicable

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3 Conducted Emissions (AC mains power ports)

3.1 General Information

Test date	May. 14, 2025	Test engineer	Wendy Sun
Climate	Ambient temperature	26.3°C	Relative humidity 42.9%
condition	Atmospheric pressure	101.3kPa	
Test place	Shield Room 2#		

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3.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Test Software	TOYO	EP5/CE	Ver 5.4.40	N/A	N/A
EMI Test Receiver	Rohde & Schwarz	ESCI	100375	Feb. 17, 2025	1 Year
Two-Line V- Network	Rohde & Schwarz	ENV216	101122	Feb. 17, 2025	1 Year
Two-Line V- Network	Rohde & Schwarz	ENV216	101254	Feb. 17, 2025	1 Year

3.3 Reference Standard

EN 55032:2015,

EN 55032:2015/A11:2020,

EN 55032:2015/A1:2020,

BS EN 55032:2015+A1:2020,

BS EN 55032:2015,

BS EN 55032:2015+A11:2020,

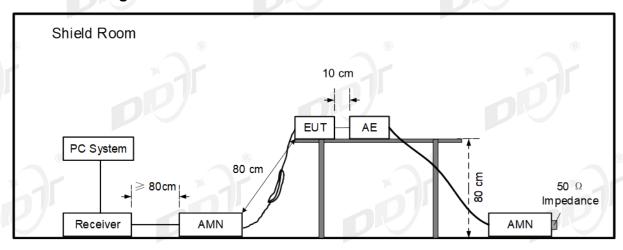
CISPR 32:2015,

CISPR 32:2015/AMD1:2019,

AS/NZS CISPR 32:2015,

AS/NZS CISPR 32:2015 AMD 1:2020

3.4 Test Arrangement



The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT's power adapter was connected to the power mains through a line impedance stabilization network (AMN). 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

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were checked for maximum conducted disturbance.

The bandwidth of test receiver is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.

Pre-scan measurements were performed in all operating mode or resolution. But final measurements were performed in worst cases based on pre-scan measurements.

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The EUT with following test modes were pre-tested:

					T		
No.	Test Voltag e	Operation Mode	Cable Length	Resolution	Rotation	Stand Position	Audio
1.			1.8m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
2.		14	1.8m	1920*1080@60Hz	Landscape	HAS Stand-up	External Speaker
3.		Mode1	1.8m	800*600@60Hz	Landscape	HAS Stand-up	External Speaker
4.	8	HDMI 1	1.5m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
5.			1.2m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
6.			1.8m	DVD	Landscape	HAS Stand-up	External Speaker
7.			1.8m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
8.	_		1.8m	1920*1080@60Hz	Landscape	HAS Stand-up	External Speaker
9.		Mode2	1.8m	800*600@60Hz	Landscape	HAS Stand-up	External Speaker
10.		HDMI 2	1.5m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
11.	ייסי		1.2m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
12.			1.8m	DVD	Landscape	HAS Stand-up	External Speaker
13.	230V 50Hz	Mode3 DP	1.8m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
14.	1		1.8m	1920*1080@60Hz	Landscape	HAS Stand-up	External Speaker
15.			1.8m	800*600@60Hz	Landscape	HAS Stand-up	External Speaker
16.			1.5m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
17.			1.2m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
18.		The worst o	ase above with 1.8m power cord		Landscape	HAS Stand-up	External Speaker
19.		The worst o	ase above	with 1.5m power cord	Landscape	HAS Stand-up	External Speaker
20.		The worst o	ase above	with 1.2m power cord	Landscape	HAS Stand-up	External Speaker
21.	9	The worst o	ase above	with 1.8m power cord	Portrait (-90 degree)	HAS Stand-up	External Speaker
22.		The worst o	ase above	with 1.8m power cord	Portrait (-270 degree)	HAS Stand-up	External Speaker
23.		The worst of	ase above	with 1.8m power cord	Landscape	HAS Stand- down	External Speaker
24.	8	The worst o	ase 1920*	1080@60Hz with 1.8m	Landscape	HAS Stand-up	Without Headpho ne

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25.	01	The worst case 1920*1080@60Hz with 1.8m power cord	Landscape	HAS Stand-up	With Headpho ne
26.		The worst case above with 1.8m power cord with scrolling "H" pattern	Landscape	HAS Stand-up	External Speaker
27.		The worst case above with 1.8m power cord and Type C Max load	Landscape	HAS Stand-up	External Speaker
28.	110V 60Hz	The worst case above with 1.8m power cord	Landscape	HAS Stand-up	External Speaker

3.5 Test Specification and Limit

Class B

Frequency			Quasi-Peak Level dB(μV) ®	Average Level dB(μV)
150kHz	~	500kHz	66 ~ 56*	56 ~ 46*
500kHz	~	5MHz	56	46
5MHz	~	30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) Line = Polarity of input power (Live or Neutral), N: Abbreviation of Neutral Polarity, L1: Abbreviation of Live Polarity,

Note3) Level (Quasi-Peak and/or C/Average) = Meter Reading + Factor,

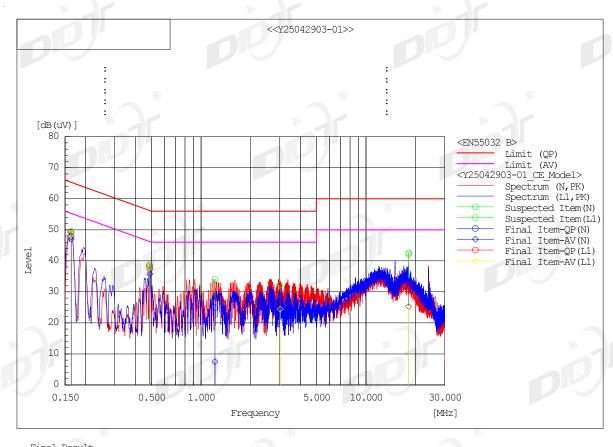
Note4) Factor = AMN (or AAN) Insertion Loss + Cable Loss,

Note5) Margin = Limit – Level (Quasi-Peak and/or C/Average)

3.6 Test Result

Sample No.	Operation Mode	Remarks	Result
Y25042903-01	Mode 1 HDMI1	Final measurement, minimum margin 6.8dB	Pass
Y25042903-01	Mode 2 HDMI2	Pre-scan measurement	Pass
Y25042903-01	Mode 3 DP	Pre-scan measurement	Pass

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Fina	al Result									
	N Phase									
No.	Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
		QP	CAV		QP	CAV	QP	AV	QP	CAV
	[MHz]	[dB (uV)]	[dB (uV)]	[dB]	[dB(uV)]	[dB (uV)]	[dB (uV)]	[dB (uV)]	[dB]	[dB]
1	0.16334	38.1	37.2	9.8	47.9	47.0	65.3	55.3	17.4	8.3
2	0.4896	27.7	25.9	9.8	37.5	35.7	56.2	46.2	18.7	10.5
3	18.1413	21.3	15.0	10.3	31.6	25.3	60.0	50.0	28.4	24.7
4	1.21447	15.0	-2.4	9.9	24.9	7.5	56.0	46.0	31.1	38.5
	L1 Phase	-								
No.	Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
		QP	CAV		QP	CAV	QP	AV	QP	CAV
	[MHz]	[dB (uV)]	[dB (uV)]	[dB]	[dB (uV)]	[dB (uV)]	[dB(uV)]	[dB (uV)]	[dB]	[dB]
1	0.16239	39.4	38.7	9.8	49.2	48.5	65.3	55.3	16.1	6.8
2	0.48611	28.6	27.9	9.8	38.4	37.7	56.2	46.2	17.8	8.5
3	3.02079	19.4	14.4	10.0	29.4	24.4	56.0	46.0	26.6	21.6
4	18 14112	21 9	15.2	10 3	32 2	25 5	60 O	50.0	27 8	24 5

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4 Radiated Emissions (30MHz to 1GHz)

4.1 General Information

Test date	May. 17, 2025	Test engineer	Dominic Du
Climate	Ambient temperature	25.2°C	Relative 48.6%
condition	Atmospheric pressure	101.2kPa	
Test place	10m Chamber		

Report No.: DDT-B25042903-1E01

4.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESCI	101024	Feb. 17, 2025	1 Year
BiLog Antenna	TESEQ	CBL 6112D	29068	Oct. 10, 2024	2 Year
Low Noise Amplifier	SONOMA	310N	300913	Feb. 17, 2025	1 Year
RF Selector 4CH	тоуо	NS4904N	Selector1	N/A	N/A
RF Selector 4CH	тоуо	NS4904N	Selector2	N/A	N/A
Mast Control	INNCO	CONTROLLE R CO2000	ZOAA97AZ10 0013D	N/A	N/A
BiLog Antenna	TESEQ	CBL 6112D	29069	Oct. 10, 2024	2 Year
EMI Test Receiver	Rohde & Schwarz	ESCI	101030	Feb. 17, 2025	1 Year
Low Noise Amplifier	SONOMA	310N	334532	Feb. 17, 2025	1 Year
Test Software	TOYO	EP5/RE	Ver 5.7.10	N/A	N/A

4.3 Reference Standard

EN 55032:2015,

EN 55032:2015/A11:2020,

EN 55032:2015/A1:2020,

BS EN 55032:2015+A1:2020,

BS EN 55032:2015,

BS EN 55032:2015+A11:2020,

CISPR 32:2015,

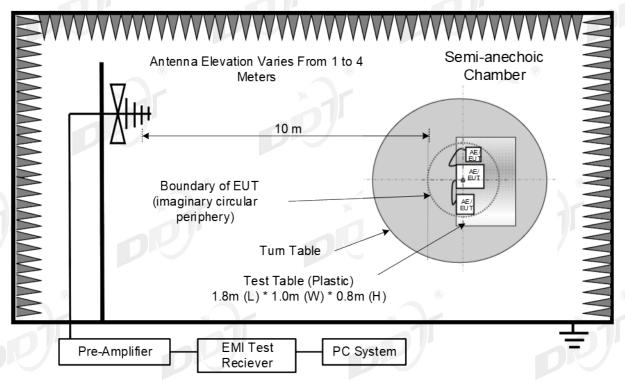
CISPR 32:2015/AMD1:2019,

AS/NZS CISPR 32:2015,

AS/NZS CISPR 32:2015 AMD 1:2020

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4.4 Test Arrangement



Report No.: DDT-B25042903-1E01

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

Test antenna was located 10m from the EUT 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.

Spectrum frequency from 30MHz to1GHz was investigated.

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.

For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.

Final measurements consisted of 3 steps. First step, frequency fine tuning to find exact emission frequency. Second step, rechecking to search for maximum height and azimuth for interference from EUT In final step, there are conducted measuring with quasi-peak detector for points which are detected from 1st step & 2nd step. Results checked manually and points close to the limit line were re-measured.

Pre-scan measurements were performed in all operating mode or condition. But final measurements were performed in worst cases based on pre-scan measurements.

The EUT with following test modes were pre-tested:

No.	Test Voltag e	Operation Mode	Cable Length	Resolution	Rotation	Stand Position	Audio
1.			1.8m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
2.	230V 50Hz	Mode1 HDMI 1	1.8m	1920*1080@60Hz	Landscape	HAS Stand-up	External Speaker
3.			1.8m	800*600@60Hz	Landscape	HAS Stand-up	External Speaker

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4.			1.5m	2560*1440@120Hz	Landscape	HAS	External
						Stand-up	Speaker
5.			1.2m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
						HAS	External
6.			1.8m	DVD	Landscape	Stand-up	Speaker
7.		(8)	1.8m	2560*1440@120Hz	Landagana	HAS	External
7.			1.0111	2300 1440@120112	Landscape	Stand-up	Speaker
8.			1.8m	1920*1080@60Hz	Landscape	HAS	External
					'	Stand-up	Speaker
9.		Mode2	1.8m	800*600@60Hz	Landscape	HAS Stand-up	External Speaker
		HDMI 2				HAS	External
10.		11011112	1.5m 2560*1440@120Hz L	Landscape	Stand-up	Speaker	
8			0500*4440@400U=	8	HAS	External ®	
11.			1.2m	2560*1440@120Hz	Landscape	Stand-up	Speaker
12.			1.8m	DVD	Landscape	HAS	External
12.			1.0111	BVB	Landscape	Stand-up	Speaker
13.			1.8m	2560*1440@120Hz	Landscape	HAS	External
					· ·	Stand-up	Speaker
14.			1.8m	1920*1080@60Hz	Landscape	HAS Stand-up	External Speaker
		Mode3		(8)	(8)	HAS	External
15.		DP	1.8m	800*600@60Hz	Landscape	Stand-up	Speaker
40			4.5	0500*4440@40011-	1 1	HAS	External
16.			1.5m	2560*1440@120Hz	Landscape	Stand-up	Speaker
17.			1.2m	2560*1440@120Hz	Landscape	HAS	External
17.			1.2111	2300 1440@120112	Landscape	Stand-up	Speaker
18.		The worst c	ase above	with 1.8m power cord	Landscape	HAS	External
		3		·	·	Stand-up HAS	Speaker External
19.		The worst c	ase above	with 1.5m power cord	Landscape	Stand-up	Speaker
						HAS	External
20.		The worst c	ase above	with 1.2m power cord	Landscape	Stand-up	Speaker
21.		The worst o	aco abovo	with 1.8m power cord	Portrait (-90	HAS	External
21.		THE WOIST C	ase above	with 1.6m power cord	degree)	Stand-up	Speaker
22.		The worst c	ase above	with 1.8m power cord	Portrait (-270	HAS	External
				8	degree)	Stand-up	Speaker
23.		The worst o	one above	with 1.8m power cord	Landscape	HAS Stand-	External
23.		THE WOIST C	ase above	with 1.011 power cord	Lanuscape	down	Speaker
		<i>37.</i>	10001			HAS	Without
24.			ase 1920*	1080@60Hz with 1.8m	Landscape	Stand-up	Headpho
		power cord			·		ne .
		The worst c	ase 1920*	1080@60Hz with 1.8m		HAS	With
25.		power cord	8	1000@00112 With 1:0111	Landscape	Stand-up	Headpho
				with 1 One news and		LIAC	ne
26.		with scrollin		with 1.8m power cord	Landscape	HAS Stand-up	External Speaker
				with 1.8m power cord	1	HAS	External
27.		and Type C		with Lone power colu	Landscape	Stand-up	Speaker
20	110V			with 4 One is seen a	1	HAS	External
28.	60Hz	ine worst c	ase above	with 1.8m power cord	Landscape	Stand-up	Speaker

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4.5 Test Specification and Limit

Class B

Frequency	Field Strengths Limits at 10m measuring distance dB(μV)/m					
30MHz to 230MHz	®	30	®			
230MHz to 1000MHz		37				

Report No.: DDT-B25042903-1E01

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.

Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) (P): Abbreviation of Antenna Polarity

Note3) Receiving antenna polarization: Horizontal and/or Vertical. Antenna Height: 1 m to 4 m

Note4) Level QP (Quasi-Peak) = Reading QP + Factor

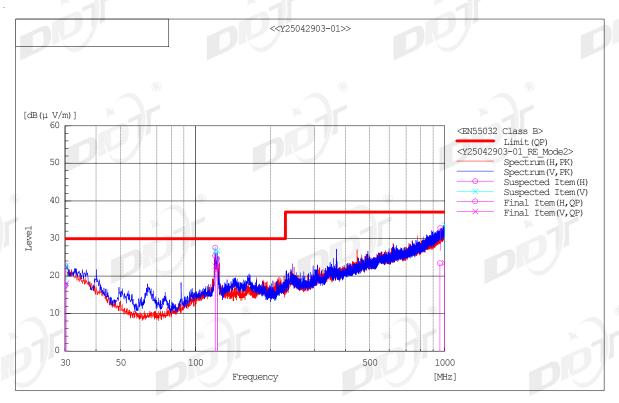
Note5) Factor = Antenna Factor + Cable Loss - Amp. Gain

Note6) Margin = Limit - Level QP

4.6 Test Result

Sample No.	Operation Mode	Remarks	Result
Y25042903-01	Mode 1 HDMI1	Pre-scan measurement	Pass
Y25042903-01	Mode 2 HDMI2	Final measurement , minimum margin 4.5 dB	Pass
Y25042903-01	Mode 3 DP	Pre-scan measurement	Pass

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Final Result

No.	Frequency	(P)	Reading	c.f	Result	Limit	Margin	Height	Angle	System
			QP		QP	QP	QP			
	[MHz]		[dB(µ V)]	[dB(1/m)]	[dB(µ V/m)]	[dB(µ V/m)]	[dB]	[cm]	[°]	
1	30.029	Н	22.1	-4.7	17.4	30.0	12.6	218.0	134.4	1
2	120.043	Н	35.9	-10.4	25.5	30.0	4.5	376.0	150.4	1
3	122.741	Н	34.1	-10.5	23.6	30.0	6.4	380.0	128.8	1
4	959.170	Н	17.9	5.5	23.4	37.0	13.6	124.0	174.5	1
5	30.346	V	23.3	-5.2	18.1	30.0	11.9	362.0	257.3	2
6	120.029	V	33.6	-10.9	22.7	30.0	7.3	145.0	237.8	2
7	122.692	V	[®] 32.7	-11.0	21.7	30.0	8.3	120.0	238.8	2
8	998.393	V	15.7	7.8	23.5	37.0	13.5	320.0	270.2	2

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5 Radiated Emissions (Above 1GHz)

5.1 General Information

Test date	May. 17, 2025	Test engineer	Dominic Du
Climate	Ambient temperature	25.2°C	Relative 48.6%
condition	Atmospheric pressure	101.2kPa	
Test place	10m Chamber		

Report No.: DDT-B25042903-1E01

5.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESU26	100244	Feb. 17, 2025	1 Year
Broadband Horn Antenna	TESEQ	BHA 9118	31754	Oct. 11, 2023	2 Year
Amplifier	COM-MW	DPA8 1000 18000-1012	09211739	Feb. 17, 2025	1 Year
Test Software	TOYO	EP5/RE	Ver 5.7.10	N/A	N/A

5.3 Reference Standard

EN 55032:2015,

EN 55032:2015/A11:2020,

EN 55032:2015/A1:2020,

BS EN 55032:2015+A1:2020,

BS EN 55032:2015,

BS EN 55032:2015+A11:2020,

CISPR 32:2015,

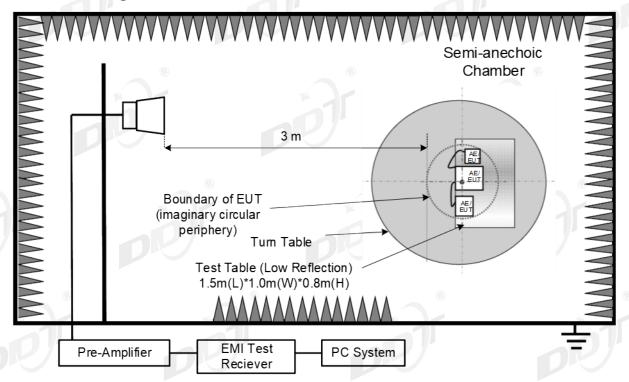
CISPR 32:2015/AMD1:2019,

AS/NZS CISPR 32:2015,

AS/NZS CISPR 32:2015 AMD 1:2020

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5.4 Test Arrangement



Report No.: DDT-B25042903-1E01

The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes.

If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz.

If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz.

If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz.

If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 6 GHz, whichever is less.

For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz.

Measurements within 20 dB of the limit were then maximized by adjusting turntable position.

Final measurements were made using an C/Average detector.

Results checked manually and points close to the limit line were re-measured.

Pre-scan measurements were performed in all operating mode or resolution. But final measurements were performed in worst cases based on pre-scan measurements.

The EUT with following test modes were pre-tested:

No.	Test Voltag e	Operation Mode	Cable Length	Resolution	Rotation	Stand Position	Audio
1.			1.8m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker
2.	230V	Mode1	1.8m	1920*1080@60Hz	Landscape	HAS Stand-up	External Speaker
3.	50Hz HDMI 1	HDMI 1	1.8m	800*600@60Hz	Landscape	HAS Stand-up	External Speaker
4.			1.5m	2560*1440@120Hz	Landscape	HAS Stand-up	External Speaker

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5.	* 1		1.2m	2560*1440@120Hz	Landscape	HAS	External
0.				2000 1110@120112	Zarraccapo	Stand-up	Speaker
6.			1.8m	DVD	Landscape	HAS	External
						Stand-up	Speaker
7.			1.8m	2560*1440@120Hz	Landscape	HAS	External
		(2)		(2)	·	Stand-up	Speaker
8.			1.8m	1920*1080@60Hz	Landscape	HAS Stand up	External
	-	X A				Stand-up HAS	Speaker
9.		Mode2 1.8	1.8m	800*600@60Hz	Landscape	Stand-up	External Speaker
		HDMI 2				HAS	External
10.		TIDIVII Z	1.5m	2560*1440@120Hz	Landscape	Stand-up	Speaker
						HAS	External
11.			1.2m	2560*1440@120Hz	Landscape	Stand-up	Speaker
(8)	-		(8)		(8)	HAS	External
12.			1.8m	DVD	Landscape	Stand-up	Speaker
	-	7		4		HAS	External
13.			1.8m	2560*1440@120Hz	Landscape	Stand-up	Speaker
	-		-		/ /	HAS	
14.			1.8m	1920*1080@60Hz	Landscape		External Speaker
	-	Mada				Stand-up	
15.		Mode3 DP	1.8m	800*600@60Hz	Landscape	HAS	External
	R	ן טף		(R)		Stand-up	Speaker
16.			1.5m	2560*1440@120Hz	Landscape	HAS	
×					*	Stand-up	External Speaker External Speaker External
17.			1.2m	2560*1440@120Hz	Landscape	HAS	
						Stand-up	
18.		The worst c	ase above	with 1.8m power cord	Landscape	HAS	
	-			·	·	Stand-up	Speaker
19.		The worst c	ase above	with 1.5m power cord	Landscape	HAS	External
	(8		<u>.</u>		Stand-up	Speaker
20.		The worst c	ase above	with 1.2m power cord	Landscape	HAS	External
	X			*		Stand-up	Speaker
21.	1	The worst c	ase above	with 1.8m power cord	Portrait (-90	HAS	External
					degree)	Stand-up	Speaker
22.		The worst c	ase above	with 1.8m power cord	Portrait (-270	HAS	External
					degree)	Stand-up	Speaker
00				::: 4.0	l	HAS	External
23.		The worst c	ase above	with 1.8m power cord	Landscape	Landscape Stand-	
	-					down	Speaker
0.4	7	The worst c	ase 1920*	1080@60Hz with 1.8m		HAS	Without
24.		power cord			Landscape	Stand-up	Headpho
		7				1140	ne
0.5		The worst c	ase 1920*	1080@60Hz with 1.8m		HAS	With
25.		power cord			Landscape	Stand-up	Headpho
	-	Th				1140	ne
26.				with 1.8m power cord	Landscape	HAS Stand up	External
	-	with scrollin			·	Stand-up	Speaker
27.				with 1.8m power cord	Landscape	HAS Stand up	External
	440)/	and Type C	iviax ioad		-	Stand-up	Speaker
28.	110V	The worst o	ase above	with 1.8m power cord	Landscape	HAS Stand up	External
	60Hz		7			Stand-up	Speaker

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5.5 Test Specification and Limit

Class B

	Limits of Class B, dB(μV/m)					
Frequency range Limits (GHz)	Peak	C/Average				
1~3	70	50				
3~6	74	54				

Report No.: DDT-B25042903-1E01

Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) (P): Abbreviation of Antenna Polarity

Note3) Reading PK / C/AV: Received raw Peak / C/Average signal

Note4) Level PK / C/AV = Reading PK / C/AV + Factor, Real signal Peak / C/Average level

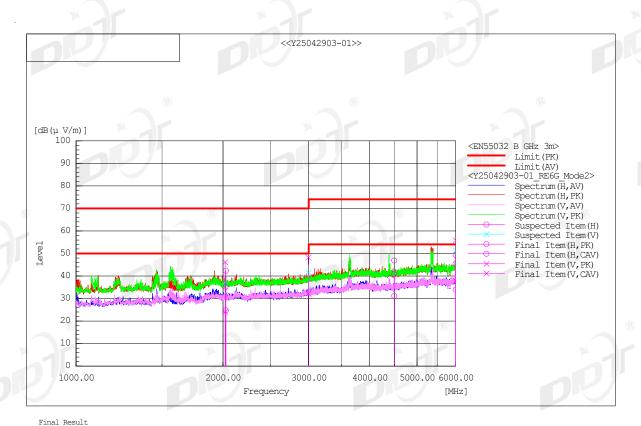
Note5) Factor = Antenna factor + Cable loss – Amplifier gain

Note6) Margin PK / C/AV = Limit – Level PK / C/AV

5.6 Test Result

Sample No.	Operation Mode	Remarks	Result
Y25042903-01	Mode 1 HDMI1	Pre-scan measurement	Pass
Y25042903-01	Mode 2 HDMI2	Final measurement , minimum margin 16.1 dB	Pass
Y25042903-01	Mode 3 DP	Pre-scan measurement	Pass

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No.	Frequency	(P)	Reading PK	Reading CAV	c.f	Result PK	Result CAV	Limit PK	Limit AV	Margin PK	Margin CAV	Height	Angle
	[MHz]		[dB(µ V)]	[dB(µ V)]	[dB(1/m)]	[dB(µ V/m)]	[dB(µ V/m)]	[dB(µ V/m)]	[dB(µ V/m)]	[dB]	[dB]	[cm]	[°]
1	2027.156	Н	66.9	49.4	-24.6	42.3	24.8	70.0	50.0	27.7	25.2	124.0	132.2
2	4489.491	Н	65.1	49.4	-18.2	46.9	31.2	74.0	54.0	27.1	22.8	137.0	343.6
3	5998.340	Н	63.8	48.3	-14.4	49.4	33.9	74.0	54.0	24.6	20.1	180.0	60.8
4	2022.071	V	70.8	48.7	-24.6	46.2	24.1	70.0	50.0	23.8	25.9	113.0	165.5
5	2993.477	V	70.0	53.9	-21.7	48.3	32.2	70.0	50.0	21.7	17.8	129.0	183.0
6	5998.041	V	70.2	52.3	-14.4	55.8	37.9	74.0	54.0	18.2	16.1	187.0	344.3

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6 Harmonic Current Emissions

6.1 General Information

Test date	May. 14, 2025	Test engineer	Wendy Sun
Climate condition	Ambient temperature	26.3°C	Relative humidity 42.9%
	Atmospheric pressure	101.3kPa	
Test place	Shield Room 2#		

Report No.: DDT-B25042903-1E01

6.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Test Software	N4L	IEC Soft	Ver 2.4e	N/A	N/A
IEC Reference Impedance Network	Voltech	IEC61000-3	IG164/2021	Nov. 16, 2024	1 Year
High Performance Linear AC power sources	Pacific Power Source	360-AMX	1234	Feb. 17, 2025	1 Year
High Performance Linear AC power sources	Pacific Power Source	360-AMX	1235	Feb. 17, 2025	1 Year
Harmonics and Flicker Analyzer	Newtons4th Ltd	PPA5511	162-04584	Nov. 16, 2024	1 Year

6.3 Reference Standard

EN 61000-3-2:2014,

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

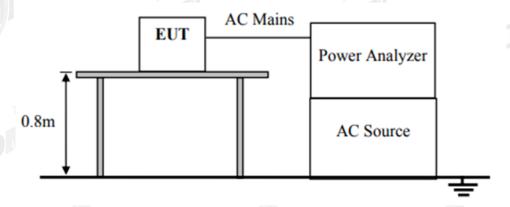
EN IEC 61000-3-2:2019/A2:2024,

EN IEC 61000-3-2:2019,

BS EN IEC 61000-3-2:2019+A1:2021,

BS EN IEC 61000-3-2:2019+A2:2024,

6.4 Test Arrangement



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6.5 Test Specification and Limit

Limits for Class D equipment

Harmonic order	Maximum permissible harmonic current per watt	Maximum permissible harmonic current
n	mA/W	A
3	3.4	2.30
5 7	1.9 1.0	1.14 0.77
9	0.5	0.40
11	0.35	0.33
13 ≤ n ≤ 39 (odd harmonics only)	3.85/n	See Table 1

Report No.: DDT-B25042903-1E01

6.6 Test Result

Sample No.	Operation Mode	Remarks	Result
Y25042903-01	Mode 1 HDMI1	Rated Power < 75W	N/A

	Test Settings		
Class		Class D	
Mode		Measure	
	Equipment Under T	est	
Brand		N/A	
Mode1	Y	25042903-01	
Serial		N/A	
Impedance Network ID		N/A	
	Test Conditions	S	
	User Entered	Measured	
Rated Voltage	230.000 V	231. 176 V	
Rated Current	N/A	386.779 mA	
Rated Frequency	50.000 Hz	50.000 Hz	
Rated Power	N/A	39.393 W	
	Additional Test Info		
Measured Power Factor		0. 4406	
Max Current THD		178. 77%	
Max THC		0.3376A	
Max Power	39. 400 W		
Max F. Current		189.136 mA	
Average F. Current		188.985 mA	
Minimum Current		100mA	
Test Duration	2	2.5 minutes	
	Additional Test Det	tails	
Operator Operator		N/A	
Lab Name		N/A	
Location	***************************************	N/A	
Notes			
	~_4		
Signature			
_			
Results	Test - N/A.	Rated Power < 75W	
ROBULUS	1050 10711.	1120003 101101 181011	

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7 Voltage Changes, Voltage Fluctuations and Flicker

7.1 General Information

Test date	May. 14, 2025	Test engineer	Wendy Sun
Climate condition	Ambient temperature	26.3°C	Relative humidity 42.9%
	Atmospheric pressure	101.3kPa	
Test place	Shield Room 2#		

Report No.: DDT-B25042903-1E01

7.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Test Software	N4L	IEC Soft	Ver 2.4e	N/A	N/A
IEC Reference Impedance Network	Voltech	IEC61000-3	IG164/2021	Nov. 16, 2024	1 Year
High Performance Linear AC power sources	Pacific Power Source	360-AMX	1234	Feb. 17, 2025	1 Year
High Performance Linear AC power sources	Pacific Power Source	360-AMX	1235	Feb. 17, 2025	1 Year
Harmonics and Flicker Analyzer	Newtons4th Ltd	PPA5511	162-04584	Nov. 16, 2024	1 Year

7.3 Reference Standard

EN 61000-3-3:2013,

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

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

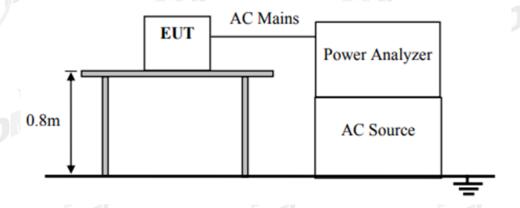
EN 61000-3-3:2013/A2:2021/AC:2022-01,

BS EN 61000-3-3:2013,

BS EN 61000-3-3:2013+A1:2019,

BS EN 61000-3-3:2013+A2:2021,

7.4 Test Arrangement



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7.5 Test Specification and Limit

short-term flicker indicator, Pst	the relative steady- state voltage change, dc	the value of d(t) during a voltage change, d(t) >3.3 %	the maximum relative voltage change, dmax
1.0	3.3 %	500 ms	4 %

Report No.: DDT-B25042903-1E01

7.6 Test Result

Sample No.	Operation Mode	Remarks	Result
Y25042903-01	Mode 1 HDMI1	N/A	Pass 🕟

	Test Settings			
Class	Voltage			
Mode	Normal -	4%		
Minimum Current	300mA			
PST	10.00 minu	ıtes 🔞		
PLT	1 PSTs			
	Equipment Under Test			
Brand	N/A			
Mode1	Y25042903	-01		
Serial	N/A			
Impedance Network ID	N/A			
	Test Conditions			
	User Entered	Measured		
Rated Voltage	230.000 V	231. 247 V		
Rated Current	N/A	N/A		
Rated Frequency	50.000 Hz	50.000 Hz		
Rated Power	N/A	N/A		
D max		© 0.1203% (Limit: 4%)		
T max		0.0000 s (Limit: 0.5 s)		
DC max		t: 3.3%)		
Inrush Test	0.1450% (Limi			
Inrush Results	Phase1: P	ass		
•	Additional Test Details			
<u>Operator</u>	<u>N/A</u>			
Lab Name	N/A			
Location	N/A			
Notes	DP" C			
Signature				
Results	Phase1:	PASS		

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	Equip	ment Under Test	
Brand		N/A	
Mode1		Y25042903-01	
Serial		N/A	
	Inrush	Current Results	
Test Number	Dmax (%)	Running Average (%)	Status
1	0. 18131	0. 18131	OK
2	0. 10443	0. 14287	OK
3	0.11176	0. 1325	OK
4	0. 21801	0. 153878	OK
5	0.11972	0. 147046	OK
6	0.098497	0.138955	OK ®
7	0.10852	0. 134607	OK
8	0.09135	0. 1292	OK
9	0. 076294	0. 1292	Lowest
10	0.113	0. 1274	OK
11	0. 083399	0. 123	OK
12	0. 26012	0.135465	OK
13	0. 25269	0. 145234	OK
14	0.1103	0. 142547	OK
15	0. 1771	0. 145015	OK
16	0. 22945	0. 150644	OK
17	0. 11503	0. 148418	OK
18	0.089586	0. 144957	OK
19 💮	0.15869	© 0.14572	OK ®
20	0. 099993	0. 143313	OK
21	0.08384	0. 14034	OK
22	0. 27708	0. 14034	Highest
23	0. 27521	0. 146762	OK
24	0.10843	0. 14502	OK

Key
Above Limit
Lowest Dmax
Highest Dmax

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8 Electrostatic Discharge Immunity

8.1 General Information

Test date	May. 19, 2025	Test engineer	Oliver Liu		
Climate condition	Ambient temperature	24.4°C	Relative humidity 47.6%		
	Atmospheric pressure	99.6kPa			
Test place	Shield Room 3#				

Report No.: DDT-B25042903-1E01

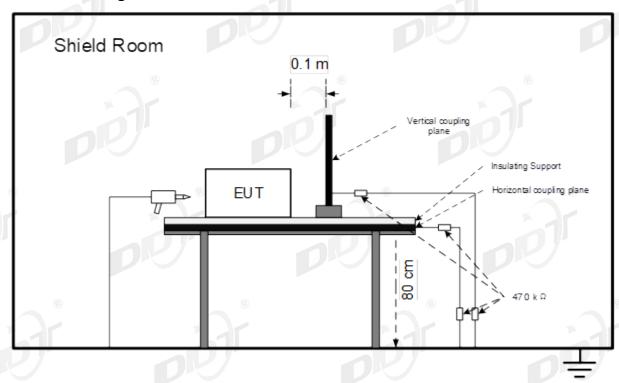
8.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No. Last Cal.		Cal. Interval	
ESD Simulator	TESEQ	NSG 437	407	Jul. 12, 2024	1 Year	
Discharge Network	TESEQ	INA 4380	0011	Jul. 12, 2024	1 Year	

8.3 Reference Standard

EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-2:2025

8.4 Test Arrangement



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

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discharge and repeated 20 times for each pre-selected test point. This procedure was repeated until all the air discharge completed.

Report No.: DDT-B25042903-1E01

Coupling Planes

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.

8.5 Test Specification and Limit

Power Switch

Test Level	31	Performance Criteria
Air Discharge	±2kV, ±4kV, ±8kV	D D
Contact Discharge	±4kV	D D

8.6 Test Result

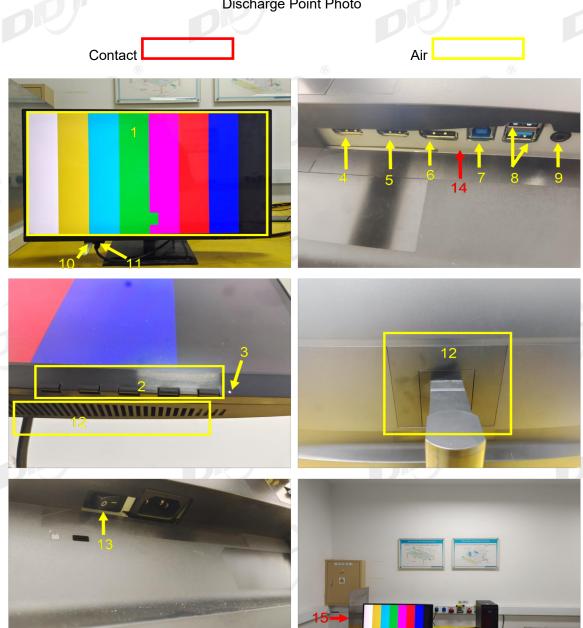
Sample	Sample No. Y25042903-01								
Operati n Mode		Discharge Method	Te: Le		Test Point	Requir	ed	Observ ation	Result
Mode 2 HDMI2			±4	KV	14, 15	В		A ⁽¹⁾	Pass
Mode 2 HDMI2		Air Discharge	±2	KV	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	В		A ⁽¹⁾	Pass
Mode 2 HDMI2	Mode 2 Air HDMl2 Discharge		±4	KV	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	В		A ⁽¹⁾	Pass
Mode 2 HDMI2		Air Discharge	±8	KV	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	В		A ⁽¹⁾	Pass
Remark	(
(1) A: Operation as intend, no loss of function during test and after test.									
Test Point									
No. Description			No.	Description	No.	Des	scription		
1 Panel			2	Button	3	Sta	tus Lamp		
4 HDMI 1 Port 5			HDMI 2 Port	6	DP Port				
7	7 USB-B Port 8		8	USB-A Port	9	Audio Port			
10 USB-A Port			11	USB-C Port	12	Ga	р		

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Shield Cover

Discharge Point Photo

Report No.: DDT-B25042903-1E01



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9 Radiated, Radio-frequency, Electromagnetic Field Immunity

9.1 General Information

Test date	May. 21, 2025	Test engineer	Lucas Yan
Climate condition	Ambient temperature	23.9°C	Relative humidity 32.3%
	Atmospheric pressure	100.7kPa	
Test place	3m Chamber 1#		

Report No.: DDT-B25042903-1E01

9.2 Test Equipment

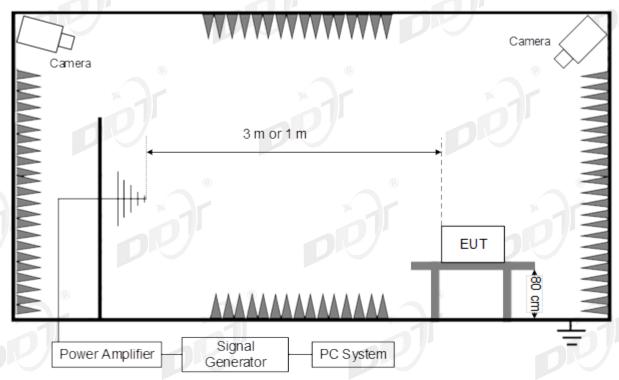
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval	
Power Meter Rohde & Schwarz		NRP	102424	Feb. 17, 2025	1 Year	
Average Power Sensor	Rohde & Schwarz	NRP-Z91	100937	Feb. 17, 2025	1 Year	
Average Power Sensor	Rohde & Schwarz	NRP-Z91	100938	Feb. 17, 2025	1 Year	
Audio Analyzer	Rohde & Schwarz	UPV	101525	Feb. 17, 2025	1 Year	
Stacked Logarithmic- Periodic Broadband Antenna	SCHWARZBE CK	STLP 9149	9149-059	N/A	N/A	
Microwave Signal Generator	Rohde & Schwarz	SMB100A	104909	Feb. 17, 2025	1 Year	
Special - Stacked Log Periodic Antenna	SCHWARZBE CK	STLP 9128 E special	9128ES-171	N/A ®	N/A	
RF Switch for Radiated	SKET	RS_DC06G- AMC-3C	SK202008190 1	N/A	N/A	
Power Amplifier	SKET	HAP_01G032 G-250W	202104178	Aug. 02, 2024	1 Year	
Power Amplifier	SKET	HAP_03G06G -75W	SK202106221	Aug. 02, 2024	1 Year	
Power Amplifier(Comb iner)	SKET	HAP_80M200 M/200M1G- 2000/1000W	202102154	Aug. 02, 2024	1 Year	
Test Software	SKET	EMC-S	V2.1.4.15	N/A	N/A	

9.3 Reference Standard

EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-3:2020

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9.4 Test Arrangement



Report No.: DDT-B25042903-1E01

The EUT is initially placed with one face coincident with the calibration plane. The EUT face being illuminated shall be contained within the UFA unless partial illumination is being applied.

The frequency ranges to be considered are swept with the signal modulated, pausing to adjust the RF signal level or to switch oscillators and antennas as necessary.

Where the frequency range is swept incrementally, the step size shall not exceed 1 % of the preceding frequency value.

The dwell time of the amplitude modulated carrier at each frequency shall not be less than the time necessary for the EUT to be exercised and to respond, but shall in no case be less than 0,5 s. The sensitive frequencies (e.g., clock frequencies) shall be analyzed separately according to the requirements in product standards.

The test shall normally be performed with the generating antenna facing each side of the EUT. When equipment can be used in different orientations (i.e. vertical or horizontal) all sides shall be exposed to the field during the test. When technically justified, some EUTs can be tested by exposing fewer faces to the generating antenna. In other cases, as determined for example by the type and size of EUT or the frequencies of test, more than four azimuths may need to be exposed. The polarization of the field generated by each antenna necessitates testing each selected side twice, once with the antenna positioned vertically and again with the antenna positioned horizontally.

9.5 Test Specification and Limit

Swept frequency tes	t o	Performance Criteria
Frequency (MHz)	80 to 1000	
Field Strength	3V/m rms voltage level of the unmodulated signal	
Modulation	AM modulated to a depth of 80% by a sine wave of 1kHz (note 1)	A
Step Size	1% increments	
Dwell time	<5 Sec.	

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Spot frequency test		Performance Criteria
Frequency (MHz)	1800, 2600, 3500, 5000	
Field Strength	3V/m rms voltage level of the unmodulated signal	
Modulation	AM modulated to a depth of 80% by a sine wave of 1kHz (note 1)	A
Dwell time	<5 Sec.	- 1

Report No.: DDT-B25042903-1E01

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

For audio output function (if applied):

Performance criterion A

During the test the audio output function shall be maintained. The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.

9.6 Test Result

Sample No	. Y250429	03-01	(8)		B	9	
Frequency	Range & F	ield Strength			X A	1	×
80MHz ~ 1	000MHz			3V/m			-07
1800MHz, 2600MHz, 3500MHz, 5000MHz 3V/m							
Steps: 1% Dwell time: 1s			1		Modulation	n: 1KHz 80% AM	
Operation	EUT	Antenna: Hori	zontal		Antenna: \	/ertical	Describ
Mode	Position	Required	Observa	ition	Required	Observation	Result
Mode 2 HDMI2	Front side	Α			A	A ⁽¹⁾	Pass
Mode 2 HDMI2	Back side	A	A ⁽¹⁾		A	A ⁽¹⁾	Pass
Mode 2 HDMI2	Left side	Α	A ⁽¹⁾		Α	A ⁽¹⁾	Pass
Mode 2 HDMI2	Right side	А	A ⁽¹⁾	(8)	А	A ⁽¹⁾	Pass
Remark			74				
(1)	A: Operati	on as intend, n	o loss of fur	nction du	ring test and	d after test.	

Audio output function result: this device without audio output function.						
Method Port L1-L0 (dB) Result Required: ≤-20dB						
√acoustic measurement	Speaker	-42.03	Pass			
√electrical measurement	Audio out	-37.74	Pass			

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10 Electrical Fast Transient/Burst Immunity

10.1 General Information

Test date	May. 19, 2025	Test engineer	Oliver Liu
Climate	Ambient temperature	24.4°C	Relative humidity 47.6%
condition	Atmospheric pressure	99.6kPa	
Test place	Shield Room 3#		

Report No.: DDT-B25042903-1E01

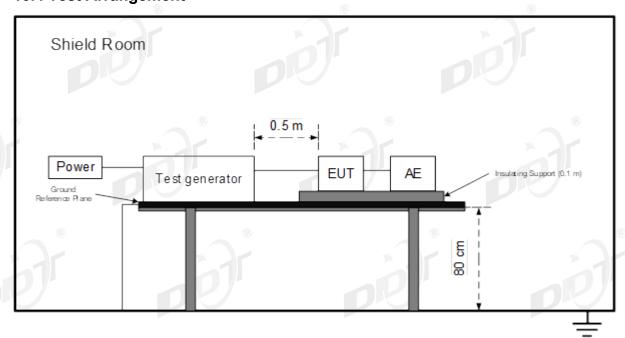
10.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Multifunction Generator Systems	TESEQ	NSG 3060	210	Feb. 17, 2025	1 Year
Automated single phase Coupling/Deco upling Networks	TESEQ	CDN 3061	1326	Feb. 17, 2025	1 Year

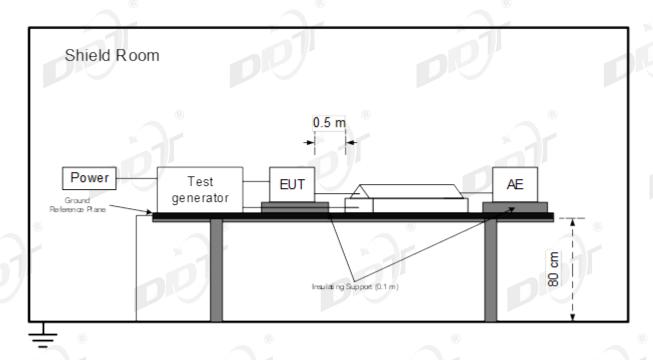
10.3 Reference Standard

EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-4:2012

10.4 Test Arrangement



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Report No.: DDT-B25042903-1E01

The EUT and its simulators were placed on the ground reference plane and were insulated from it by an insulating support $0.1m \pm 0.01m$ thick.

The minimum distance between the EUT and all other conductive structures (e.g. the walls of a shielded room), except the ground reference plane shall be more than 0,5 m.

Al cables to the EUT shall be placed on the insulation support 0,1 m above the ground reference plane. Cables not subject to electrical fast transients shall be routed as far as possible from the cable under test to minimize the coupling between the cables.

10.5 Test Specification and Limit

Test Level		Performance Criteria	
Test voltage	±1kV For AC mains Port	±0.5kV for DC input or signal Port	
Repetition Frequency	5kHz	5kHz	יינים
Burst Duration	15ms	15ms	
Burst Period	300ms	300ms	В
Inject Time(s)	120s	120s	
Inject Method	Direct for AC mains port	Direct for signal port Direct for dc input port	207
Inject Line	AC Mains of adapter	DC input of adapter or Capacitive coupling clamp	

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.

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10.6 Test Result

Sample No. Y2	5042903-01					
Injected Port	AC Mains Power		Coupling		Direct	
Burst Period:	300ms		Test Time:		120s	3)
Repetition Frequency	5KHz E		Burst Durations		15ms	
Operation	Line 1	Test Voltage	Required	Observ	Observation	
Mode				Positiv	e Negative	8
Mode 1 HDMI1	L × Ar	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Mode 1 HDMI1	N	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Mode 1 HDMI1	PE	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Mode 1 HDMI1	L-N	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Mode 1 HDMI1	L-PE	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Mode 1 HDMI1	N-PE	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Mode 1 HDMI1	L-N-PE	±1kV	В	A ⁽¹⁾	A ⁽¹⁾	Pass
Remark						
(1) A: C	peration as inte	nd, no loss of t	function during	g test and	after test.	

Report No.: DDT-B25042903-1E01

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11 Surge Immunity

11.1 General Information

Test date	May. 19, 2025	Test engineer	Oliver Liu
Climate	Ambient temperature	24.4°C	Relative humidity 47.6%
condition	Atmospheric pressure	99.6kPa	
Test place	Shield Room 3#		

Report No.: DDT-B25042903-1E01

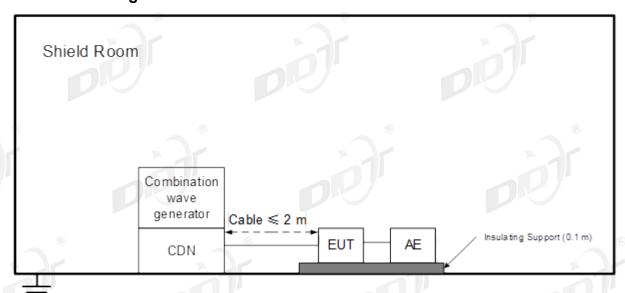
11.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Multifunctional Generator	EMTEST	UCS 500N7.1	P1303110687	Feb. 17, 2025	1 Year
3-Phase Coupling Decoupling Network	EMTEST	CNI 503B7	V1250114298	Feb. 17, 2025	1 Year
Test Software	EM TEST	iec.control	Version 5.2.3	N/A	N/A

11.3 Reference Standard

EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-5:2014+AMD1:2017 CSV

11.4 Test Arrangement



EUT should be configure in representative operating conditions.

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

Different phase angles are done individually, if applied.

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

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11.5 Test Specification and Limit

nains ports	Performance Criterion			
1kV 1.2/50(8/20) µs	В			
Line to Ground 2kV 1.2/50(8/20) µs				
ata port, Port type: unshielded symmetrical	Performance Criterion			
Line to Ground 1 kV and 4kV 10/700(5/320) µs (used with the primary protection)				
1 kV 10/700(5/320) µs (used without the primary protection)	c			
lly to ports which, according to the manufacturer's n 3m.	specification, the cable			
ata port, Port type: coaxial or shielded	Performance Criterion			
0.5 kV 1.2/50(8/20) µs	В			
lly to ports which, according to the manufacturer's n 3m.	specification, the cable			
DC network power port				
Line to reference on the state of the state				
	1kV 1.2/50(8/20) μs 2kV 1.2/50(8/20) μs ata port, Port type: unshielded symmetrical 1 kV and 4kV 10/700(5/320) μs (used with the primary protection) 1 kV 10/700(5/320) μs (used without the primary protection) ly to ports which, according to the manufacturer's an 3m. ata port, Port type: coaxial or shielded 0.5 kV 1.2/50(8/20) μs ly to ports which, according to the manufacturer's an 3m. r port			

Report No.: DDT-B25042903-1E01

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.
- (3) Where the surge coupling network for the 10/700 (5/320) µs waveform affects the functioning of high speed data ports, the test shall be carried out using a 1,2/50 (8/20) µs waveform and appropriate coupling network.
- (4) 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

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11.6 Test Result

Sample No.	Y25042903-01						
Injected Port	AC Mains Power		Wave Type		1.2/50us-8/20us		
Pulse Interval	60s		Pulse times	B	5 times a	nt each polar	ity
Operation Mode	Coupling Line	Level	Required	Observa Positive		legative	Result
Mode 1 HDMI1	L-N	±0.5kV	В	A ⁽¹⁾		((1)	Pass
Mode 1 HDMI1	L-N	±1kV	В	A ⁽¹⁾	А	((1)	Pass
Mode 1 HDMI1	L-PE	±0.5kV	В	A ⁽¹⁾	А	((1)	Pass
Mode 1 HDMI1	L-PE	±1kV	В	A ⁽¹⁾	A	(1)	Pass
Mode 1 HDMI1	L-PE	±2kV	В	B ⁽²⁾	В	3(2)	Pass
Mode 1 HDMI1	N-PE	±0.5kV	В	A ⁽¹⁾	A	(1)	Pass
Mode 1 HDMI1	N-PE	±1kV	В	A ⁽¹⁾	A	(1)	Pass
Mode 1 HDMI1	N-PE	±2kV	В	B ⁽²⁾	В	j (2)	Pass
Remark							
(1) A	: Operation as i	ntend, no los	ss of function	during tes	st and afte	r test.	
	: Temporary im erformance, wit	•			es, and rec	covers its nor	mal

Report No.: DDT-B25042903-1E01

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12 Immunity to Conducted Disturbances, Induced by Radiofrequency Fields

12.1 General Information

Test date	May. 19, 2025	Test engineer	Oliver Liu	®
Climate	Ambient temperature	24.4°C	Relative humidity	47.6%
condition	Atmospheric pressure	99.6kPa		
Test place	Shield Room 3#			_

Report No.: DDT-B25042903-1E01

12.2 Test Equipment

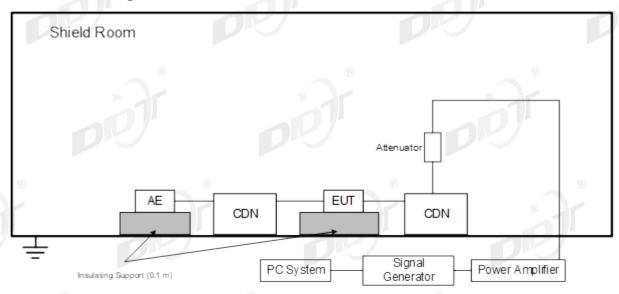
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Audio Analyzer	Rohde & Schwarz	UPV	101525	Feb. 17, 2025	1 Year
Microwave Signal Generator	Rohde & Schwarz	SMB100A	103231	Feb. 17, 2025	1 Year
COUPLING / DECOUPLING NETWORK	TESEQ	CDN M016	28987	Feb. 17, 2025	1 Year
RF Power Amplifiers	AR	75A250A	0332892	Feb. 17, 2025	1 Year
Directional Coupler	AR	DC2600M2	0333399	Feb. 17, 2025	1 Year
Power Meter	Rohde & Schwarz	NRVS	101785	Feb. 17, 2025	1 Year
Coaxial voltage measurement probe	Rohde & Schwarz	URV5-Z4	100215	Feb. 17, 2025	1 Year
COUPLING / DECOUPLING NETWORK	TESEQ	CDN M016	30436	Feb. 17, 2025	1 Year
Bi-Directional RF Attenuators	Bird	75-A-FFN-06	0751	N/A	N/A
Test Software	Rohde & Schwarz	EMC32	Ver 10.28.00	N/A	N/A

12.3 Reference Standard

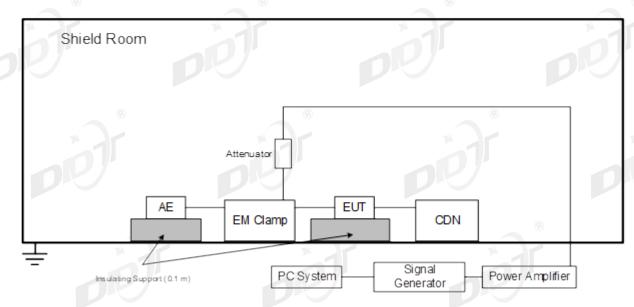
EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-6:2023

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12.4 Test Arrangement



Report No.: DDT-B25042903-1E01



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 at a distance 0.1 m to 0.3 m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be at least 30 mm.

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

The EUT operates within its operational mode(s).

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

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12.5 Test Specification and Limit

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

Report No.: DDT-B25042903-1E01

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

For audio output function (if applied):

Performance criterion A

During the test the audio output function shall be maintained. The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.

12.6 Test Result

Sample No. Y	25042903-01				(E)	
Steps: 1%		Dwell time: 1s	5	Modulation:	1KHz 80% AM	
Operation mode	Frequency Range	Injected Position	Level	Required	Observation	Result
Mode 1 HDMI1	0.15MHz ~ 10MHz	AC Mains Power	3V	A	A ⁽¹⁾	Pass
Mode 1 HDMI1	10MHz ~ 30MHz	AC Mains Power	3V ~ 1V	А	A ⁽¹⁾	Pass
Mode 1 HDMI1	30MHz ~ 80MHz	AC Mains Power	1V	А	A ⁽¹⁾	Pass
Remark						
(1) A:						

Audio output function result: this device without audio output function.				
Method	Port	Acoustic interference ratio L1-L0 (dB) Required: ≤-20dB	Result	
√acoustic measurement	Speaker	-36.71	Pass	
√electrical measurement	Audio Out	-38.77	Pass	

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13 Power Frequency Magnetic Field Immunity

13.1 General Information

Test date	May. 19, 2025	Test engineer	Oliver Liu
Climate	Ambient temperature	24.4°C	Relative humidity 47.6%
condition	Atmospheric pressure	99.6kPa	
Test place	Shield Room 3#		

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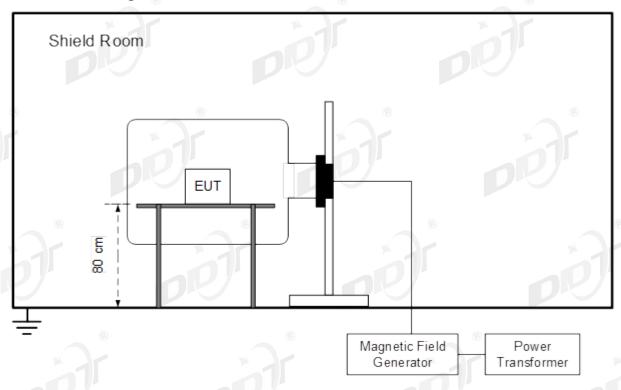
13.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Magnetic Coil	EMTEST	MS 100N	0512-13	Feb. 17, 2025	1 Year
Power transformer	EMTEST	MC 2630	0912-65	Feb. 17, 2025	1 Year
Multifunctional Generator	EMTEST	UCS 500N7.1	P1303110687	Feb. 17, 2025	1 Year
Motor Variac	EMTEST	MV 2616	P1303109290	Feb. 17, 2025	1 Year
Test Software	EM TEST	iec.control	Version 5.2.3	N/A	N/A

13.3 Reference Standard

EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016, IEC 61000-4-8:2009

13.4 Test Arrangement



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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.

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13.5 Test Specification and Limit

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

13.6 Test Result

Sample No. Y250	042903-01			1	74	
Operation	Test	Coil	Coil	Required	Observation	Result
Mode	Level	Orientation	Duration	Required	Observation	Result
Mode 2 HDMI2	1A/m	X	5 min / coil	Α	A ⁽¹⁾	Pass
Mode 2 HDMI2	1A/m	Υ	5 min / coil	Α	A ⁽¹⁾	Pass
Mode 2 HDMI2	1A/m	Z	5 min / coil	A ®	A ⁽¹⁾	Pass
Remark						
(1) A: Operation as intend, no loss of function during test and after test.						

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14 Voltage Dips, Short Interruptions and Voltage Variations Immunity

14.1 General Information

Test date	May. 19, 2025	Test engineer	Oliver Liu	®
Climate	Ambient temperature	24.4°C	Relative humidity	47.6%
condition	Atmospheric pressure	99.6kPa		7
Test place	Shield Room 3#			

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14.2 Test Equipment

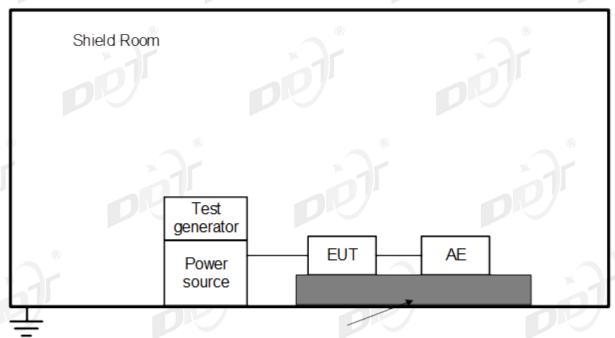
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Multifunctional Generator	EMTEST	UCS 500N7.1	P1303110687	Feb. 17, 2025	1 Year
Motor Variac	EMTEST	MV 2616	P1303109290	Feb. 17, 2025	1 Year
Test Software	EM TEST	iec.control	Version 5.2.3	N/A	N/A

14.3 Reference Standard

EN 55035:2017, EN 55035:2017/A11:2020, BS EN 55035:2017+A11:2020, CISPR 35:2016,

IEC 61000-4-11:2020/COR2:2022

14.4 Test Arrangement



Insulating Support (0.1 m)

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.

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14.5 Test Specification and Limit

Test Level %UT	Duration (in period)		Performance Criterion
<5	0.5	9)	В
70	25 for 50Hz/30 for 60Hz		С
<5	250 for 50Hz/300 for 60Hz		С

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14.6 Test Result

Sample No	. Y25042903-01			®			8	
Operation Mode	Operation Voltage	%Ur	Phase Angle	Duration (in period)	Require d	Observati on	Result	
Mode 1 HDMI1	100V 60Hz	0	0°,180	0.5P	В	A ⁽¹⁾	Pass	
Mode 1 HDMI1	100V 60Hz	70	0°,180	30P	С	A ⁽¹⁾	Pass	
Mode 1 HDMI1	100V 60Hz	0	0°,180	300P	С	B ⁽²⁾	Pass	
Mode 1 HDMI1	240V 50Hz	0	0°,180	0.5P	В	A ⁽¹⁾	Pass	
Mode 1 HDMI1	240V 50Hz	70	0°,180	25P	С	A ⁽¹⁾	Pass	
Mode 1 HDMI1	240V 50Hz	0	0°,180	250P	С	B ⁽²⁾	Pass	
Remark	1							
(1)	(1) A: Operation as intend, no loss of function during test and after test.							
	B: Temporary loss of function or degradation of performance which ceases after the							
` '	disturbance ceases, and from which the equipment under test recovers its normal performance, without operator intervention.							

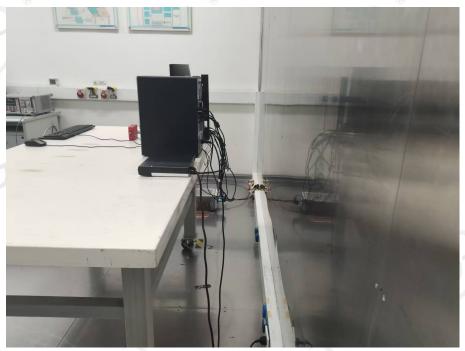
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Annex A.Test Setup Photos

A.1 Conducted Emissions (AC mains power ports)

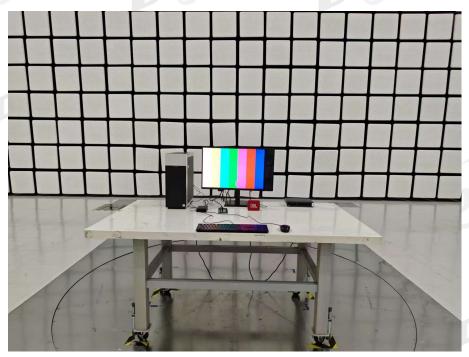


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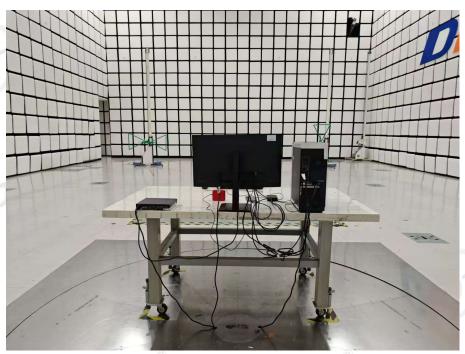


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A.2 Radiated Emissions (30MHz to 1GHz)

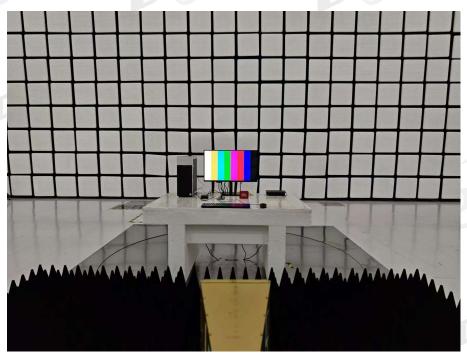


Report No.: DDT-B25042903-1E01

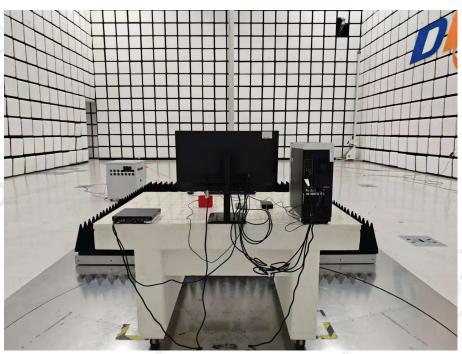


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A.3 Radiated Emissions (Above 1GHz)



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A.4 Harmonic Current Emissions



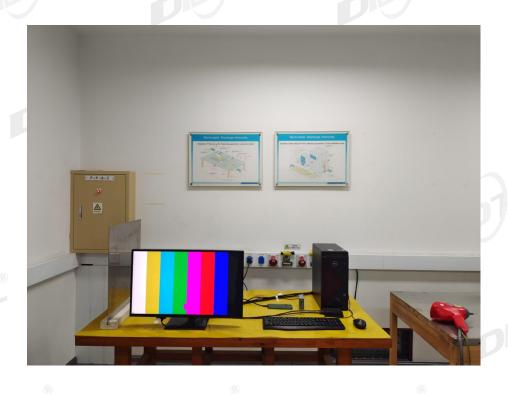
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A.5 Voltage Changes, Voltage Fluctuations and Flicker



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A.6 Electrostatic Discharge Immunity



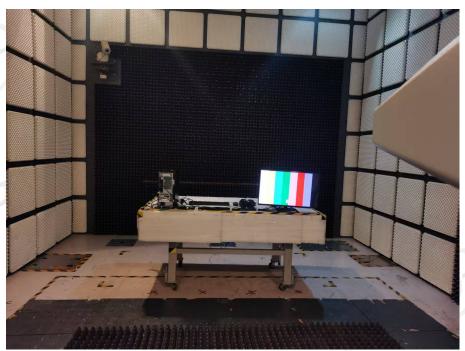
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A.7 Radiated, Radio-frequency, Electromagnetic Field Immunity



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A.8 Electrical Fast Transient/Burst Immunity



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A.9 Surge Immunity

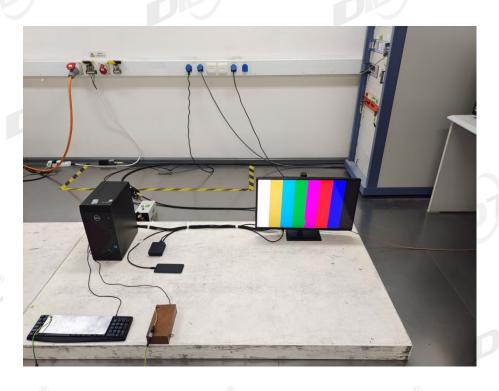


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A.10 Immunity to Conducted Disturbances, Induced by Radio-frequency Fields

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A.11 Power Frequency Magnetic Field Immunity



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A.12 Voltage Dips, Short Interruptions and Voltage Variations Immunity

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Statement

Report No.: DDT-B25042903-1E01

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- 2. This report is invalid if altered.
- 3. This report is responsible for the conformance testing of sample(s) received.
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END OF REPORT

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