

EMC TEST REPORT

Testing Laboratory
1418**Report No. : ACS-E25293**

Applicant : TPV Electronics (FuJian) Co., Ltd.
Rongqiao Economic and Technological Development
Zone, Fuqing City, Fujian Province, P.R. China

Product : LCD Monitor

Model No. : Q27B36X; **Q27B3*****
(* = 0-9, A-Z, a-z, +, -, /, \ or blank)

Brand : AOC

Test Lab. : Audix Technology (Shenzhen) Co., Ltd.
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Date of Test : Oct.30~Nov.10, 2025

Date of Report : Nov.13, 2025



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TEST REPORT VERIFICATION

Applicant : TPV Electronics (FuJian) Co., Ltd.
 Product : LCD Monitor
 Model No. : Q27B36X; **Q27B3***** (*=0-9,A-Z,a-z,+,-,/,\ or blank)
 Brand : AOC
 Report No. : ACS-E25293
 Power Supply : AC 100-240V, 50/60Hz(Via Adapter Power)
 Test Voltage : AC 230V/50Hz; AC 110V/60Hz;
 AC 100V/50Hz; AC 240V/50Hz (Via Adapter Power)
 Standards : EN 55032: 2015 (Class B), EN 55032: 2015+A11: 2020
 EN 55032: 2015+A1: 2020
 CISPR 32:2015+A1:2019, AS/NZS CISPR 32: 2015+A1: 2020
 BS EN 55032: 2015 (Class B), BS EN 55032: 2015+A11: 2020
 BS EN55032:2015+A1:2020
 EN 61000-3-2: 2014, Class D / EN IEC 61000-3-2:2019+A1:2021
 EN IEC 61000-3-2: 2019+A2: 2024
 BS EN 61000-3-2: 2014, BS EN IEC 61000-3-2:2019+A1: 2021
 BS 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, EN 61000-3-3: 2013+A2:2021+AC:2022
 BS EN 61000-3-3: 2013, BS EN 61000-3-3: 2013+A1:2019
 BS EN 61000-3-3: 2013+A2: 2021, BS EN 61000-3-3: 2013+A2:2021+AC:2022
 EN 55035: 2017, CISPR 35: 2016, EN 55035: 2017+A11:2020
 BS EN 55035: 2017, BS EN 55035: 2017+A11: 2020
 (IEC 61000-4-2: 2008, IEC 61000-4-3: 2020, IEC 61000-4-4: 2012
 IEC 61000-4-5: 2014+A1:2017, IEC 61000-4-6: 2023
 IEC 61000-4-8: 2009, IEC 61000-4-11: 2020)

The device described above is tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and EUT's performance criterion. The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the requirements of EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55035, EN IEC 61000-3-2;BS EN IEC 61000-3-2, BS EN 55032, BS EN 61000-3-2, BS EN 61000-3-3, BS EN 55035 standards.

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.

This report applies to single evaluation of one sample of above mentioned products. This report shall not be reproduced in parts without written approval of Audix Technology (Shenzhen) Co., Ltd.

Date of Test: Oct.30~Nov.10, 2025 Date of Report: Nov.13, 2025

Prepared by: Hally Qiu Reviewed by: Fire Zhang
 Hally Qiu / Assistant Fire Zhang / Assistant Manager



Approved & Authorized Signer : Signature: Sunny Lu / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

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

EMISSION				
Description of Test Item	Standard	Results	Remark	
Conducted Emission at mains terminals	EN 55032; BS EN 55032	PASS	Minimum passing margin is 14.26dB at 0.617MHz	
Radiated Emission (30MHz-1000MHz)	EN 55032; BS EN 55032	PASS	Minimum passing margin is 4.15dB at 37.760MHz	
Radiated Emission (1GHz-6GHz)	EN 55032; BS EN 55032	PASS	Minimum passing margin is 13.17dB at 1208.520MHz	
Harmonic current emissions	EN 61000-3-2 EN IEC 61000-3-2 BS EN 61000-3-2 BS EN IEC 61000-3-2	PASS	Meet the Class D requirement	
Voltage fluctuations & flicker	EN 61000-3-3 BS EN 61000-3-3	PASS	Meet the requirement	
IMMUNITY				
Description of Test Item	Basic Standard	Results	Performance Criteria	Observation
Electrostatic discharge (ESD)	IEC 61000-4-2	PASS	B	A&B
Radiated, radio-frequency, electromagnetic field immunity test	IEC 61000-4-3	PASS	A	A
Electrical fast transient (EFT)	IEC 61000-4-4	PASS	B	A&B
Surge (Input a.c. power port)	IEC 61000-4-5	PASS	B	A
Surge(Telecommunication port)		N/A	N/A	N/A
Surge (Coaxial or Shielding)		N/A	N/A	N/A
Continuous Conducted disturbance	IEC 61000-4-6	PASS	A	A
Power frequency magnetic field	IEC 61000-4-8	PASS	A	A
Voltage dips, >95% reduction	IEC 61000-4-11	PASS	B	A
Voltage dips, 30% reduction		PASS	C	A
Voltage interruptions		PASS	C	B

N/A is an abbreviation for Not Applicable.

Note: Measurement uncertainty affection to the result is not considered, the EUT is technically compliant with standard requirements.

2. GENERAL INFORMATION

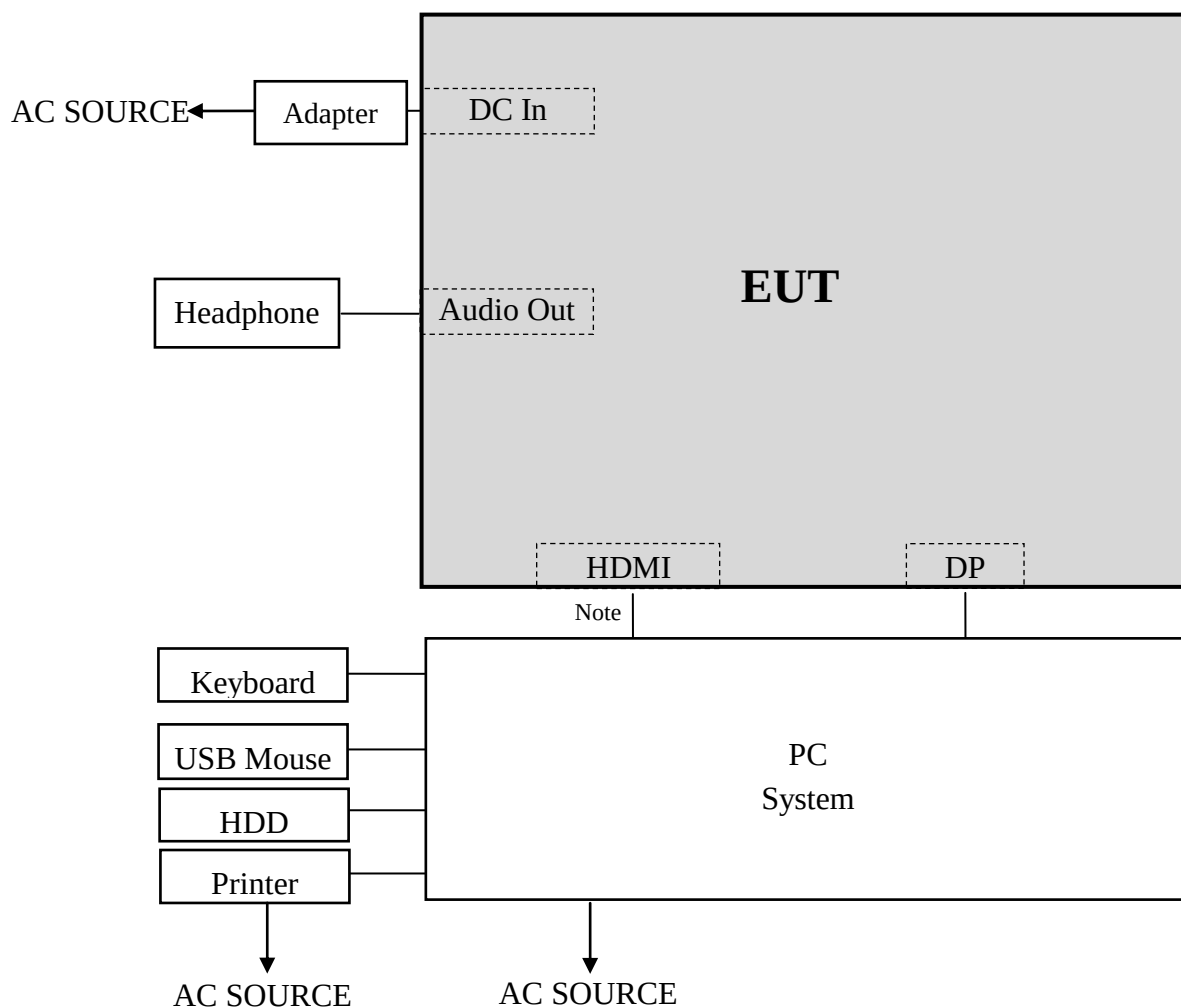
2.1. Description of Device (EUT)(Provided by the applicant)

Product	: LCD Monitor
Model No.	: Q27B36X; **Q27B3***** (* = 0-9, A-Z, a-z, +, -, /, \ or blank) Model differences (Declared by the Applicant): Above all models difference are in sale marketing.
Test Model	: Q27B36X
Brand	: AOC
Applicant	: TPV Electronics (FuJian) Co., Ltd. Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R. China
Max. Resolution	: 2560*1440@144Hz
Max. Work Frequency	: 583MHz
I/O Port	: (1)One DC In Port (2)One HDMI Port (3)One DP Port (4)One Audio Out Port
Adapter	: Manufacturer: Huizhou Ten Pao Chuangneng Technology Co., Ltd. Model: S045ADP1900236 Input: 100-240V~ 50/60Hz 1.0A Max Output: DC 19.0V, 2.36A 45.0W DC Power Cable: Unshielded, Undetachable, 1.2m (with one core)
Power Cable	: Unshielded, Detachable, 1.8m/1.5m/1.2m(3C)
HDMI Cable	: Shielded, Detachable, 1.8m/1.5m/1.2m
DP Cable	: Shielded, Detachable, 1.8m/1.5m/1.2m
Date of Test	: Oct.30~Nov.10, 2025
Date of Receipt	: Oct.27, 2025
Sample Type	: Prototype production

2.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number
1.	Personal Computer (For CE&RE Test)	---	ASUS	S502MER	S7PFT00F24028H
		Power Cord(3C): Unshielded, Detachable, 1.8m			
2.	Personal Computer (For RS & EFT & PFMF & Dips Test)	Test PC GQ02	DELL	Optiplex 7040MT	---
		Power Cord(3C): Unshielded, Detachable, 1.8m			
3.	Personal Computer (For H/F & ESD & Surge & CS Test)	Test PC X	ACER	Veriton T630	---
		Power Cord(3C): Unshielded, Detachable, 1.8m			
4.	USB Keyboard	ACS-EMC-K03R	DELL	SK-8120	CN-ODJ365-71616-2B E-0DCE-A00
		USB Cable: Shielded, Undetachable, 1.8m			
5.	USB Mouse	ACS-EMC-M03R	DELL	M0C5UO	512023253
		USB Cable: Shielded, Undetachable, 1.8m			
6.	Printer	ACS-EMC-PT04	HP	C9079A	---
		USB Cable: Shielded, Detachable, 1.8m Power Cord(2C): Unshielded, Detachable, 1.8m			
7.	HDD	ACS-EMC-HDD33	WD	WD My Book Studio	WCAV5C987862
		Data Cable: Shielded, Detachable, 0.4m			
8.	DVD	---	Pioneer	DV-310NC-K	---
		Power Cord(2C): Unshielded, Detachable, 1.5m			
9.	Headphone	---	APPLE	EarPods 3.5mm plug headphones	---
		Data Cable: Shielded, Detachable, 1.2m			

2.3. Block Diagram of connection between EUT and simulators



Note: PC Mode, DVD Mode can not link the HDMI port at the same time.

(EUT: LCD Monitor)

2.4.Method of Exercising EUT

Operating System	Windows 10 of PC system
Test Program	BurnIn Test V10.2
Video Signal (Display Image)	Color bars with moving picture element “H” Pattern(Only for H/F test)
Audio	1kHz signal playing
Other	Other peripheral devices were driven and operated in turn

Display and video parameters

Function	Setting
Hardware acceleration	Maximum
Screen settings	High/medium/low effective resolution
Color quality	Highest color bit depth
Brightness, contrast, color saturation	Use either the factory default settings or typical settings
Other	Adjusted to obtain a typical picture using settings giving the highest performance

2.5. Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District, Shenzhen, Guangdong, China

EMC Lab. : Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2026

Certificated by FCC, USA
Designation No: CN5022
Valid Date: Mar.31, 2026

Accredited by TAF, Taiwan
Registration No: 1418
Valid Date: Nov.30, 2026

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 2 Conduction	±2.4dB (150kHz to 30MHz)
Uncertainty for Radiation Emission test in 10m chamber (Distance: 10m)	±3.8dB (30~200MHz, Polarization: H)
	±3.8dB (30~200MHz, Polarization: V)
	±4.0dB (200M~1GHz, Polarization: H)
	±4.4dB (200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 10m chamber (1GHz-18GHz)	±4.4dB (1-6GHz, Distance: 3m)
	±4.6dB (6-18GHz, Distance: 3m)
Uncertainty for S _{VSWR} in 10m Chamber	±2.8dB (1-6GHz, Distance: 3m)
	±2.8dB (6-18GHz, Distance: 3m)
Uncertainty for Flicker test	±1.5%
Uncertainty for Harmonic test	±8.0%
Uncertainty for C/S Test	±2.26dB (Using CDN test)
	±3.0dB (Using EM clamp test)
Uncertainty for R/S Test	±2.7dB (80MHz~1000MHz)
	±2.7dB (1GHz~2.5GHz)
	±2.7dB (2.5GHz to 6GHz)
Uncertainty for Magnetic field immunity test	±2%
Uncertainty for test site temperature and humidity and Pressure	±0.6℃
	±3%
	±1kPa

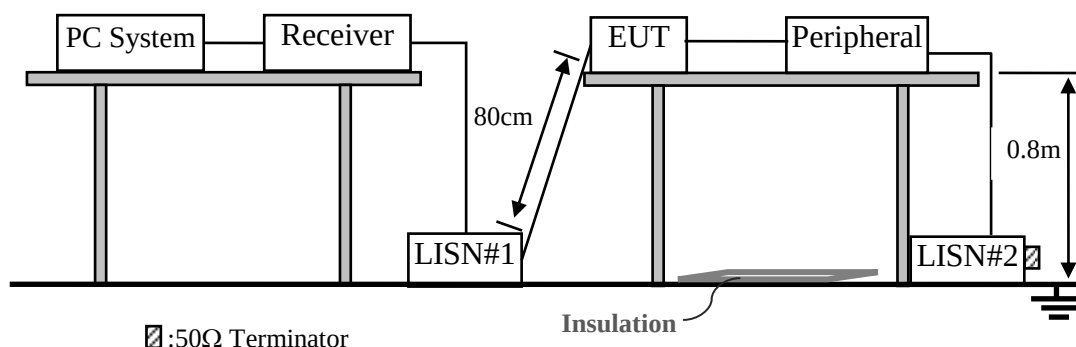
3. CONDUCTED EMISSION AT MAINS TERMINALS TEST

3.1. Test Equipments.

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	2# Shielding Room (SE)	AUDIX	N/A	N/A	Sep.16,25	3 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100843	Mar.10,25	1 Year
3.	L.I.S.N. #1	Rohde & Schwarz	ENV216	102834	Jun.09,25	1 Year
4.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	Mar.10,25	1 Year
5.	RF Cable	Eastsheep	N/BNC-JJ	20251023001	Oct.22,25	1 Year
6.	Terminator	Hubersuhner	50Ω	No.4	Mar.10,25	1 Year
7.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

3.2. Block Diagram of Test Setup



3.3. Test Standard

EN 55032: 2015 (Class B)
 EN 55032: 2015+A11: 2020
 EN 55032: 2015+A1: 2020
 BS EN 55032: 2015 (Class B)
 BS EN 55032: 2015+A11: 2020
 BS EN55032:2015+A1:2020

3.4. Power Line Conducted Emission Class B Limits

Frequency	Maximum RF Line Voltage	
	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 limits shall apply at the transition frequencies.

3. Emission Level (dBμV) = Factor (L.I.S.N.) (dB) + Cable Loss (dB)+Reading (Receiver) (dBμV)

3.5. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. #1). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N. #2). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the EN 55032 & BS EN 55032 Class B regulations during conducted emission test.

The bandwidth of the test receiver (R&S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. These test results of the conducted disturbance are recorded in section 3.6.

3.6.Power Line Conducted Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: LCD Monitor

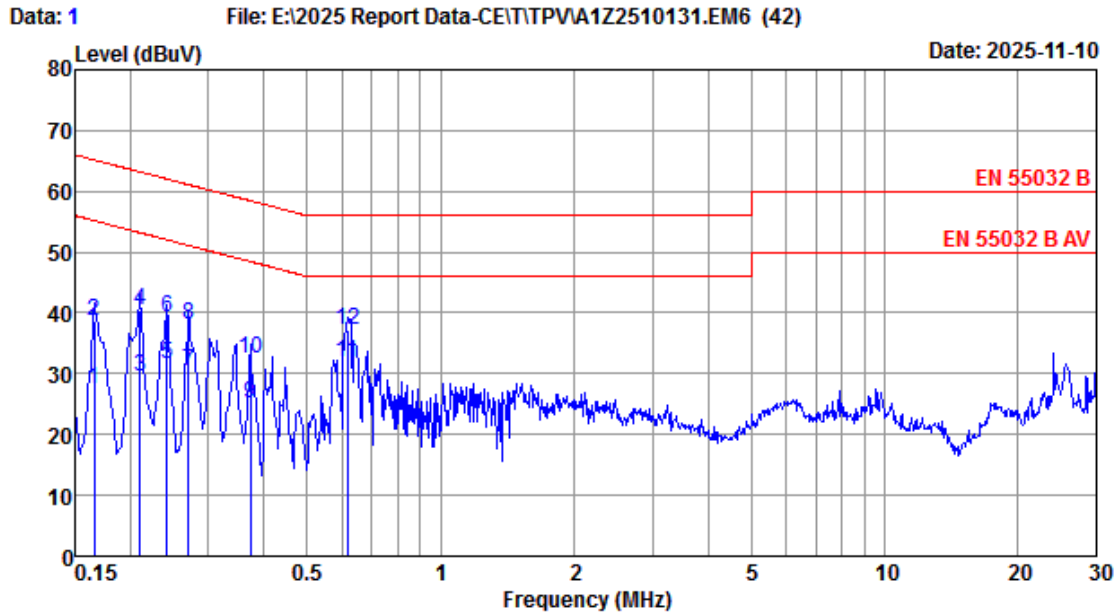
Model No.: Q27B36X

The EUT with following test modes were pre-tested:

No.	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency
1.	AC 230V/50Hz	PC Mode	HDMI	1.8m	640*480@60Hz
2.					1280*1024@75Hz
3.					2560*1440@144Hz
4.				1.5m	2560*1440@144Hz
5.				1.2m	2560*1440@144Hz
6.		DP	DP	1.8m	640*480@60Hz
7.					1280*1024@75Hz
8.					2560*1440@144Hz
9.		DVD Mode	HDMI	1.8m	Color Bar
10.		Standby	---	---	---
11.	AC 110V/60Hz	PC Mode	HDMI	1.8m	2560*1440@144Hz

The result of worst test mode is presented in the report as below and the test data are listed in next pages.

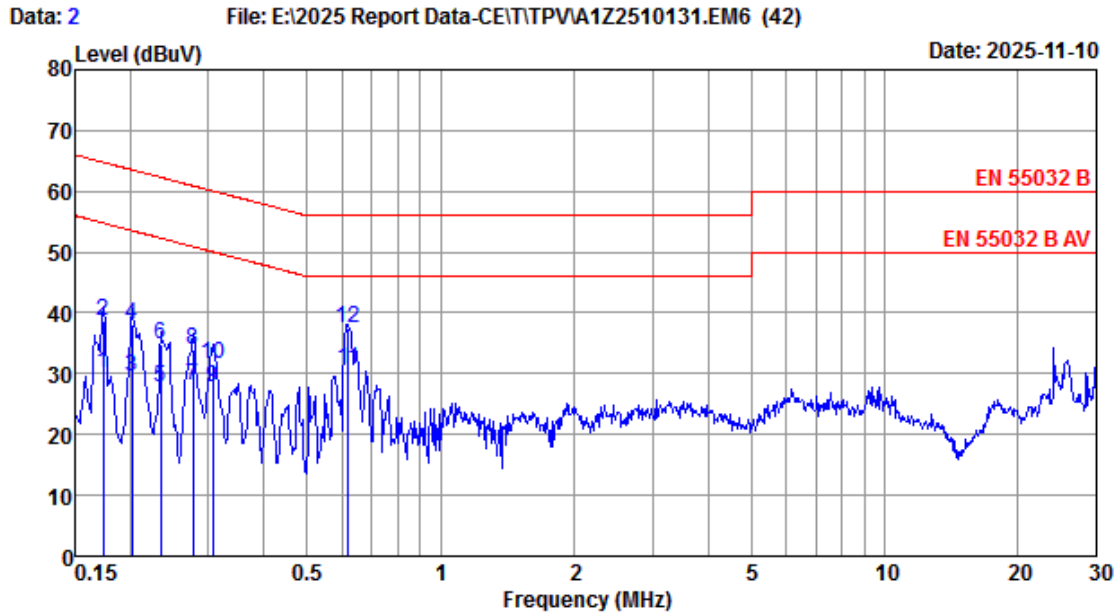
No.	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency	Reference Test Data No.	
						Line	Neutral
1.	AC 230V/50Hz	PC Mode	HDMI	1.8m	2560*1440@144Hz	#1	#2



Site no	:2# Conduction	Data No	:1
Dis./Lisn	:2025 ENV216 0.15-30M	LISN phase	:LINE
Limit	:EN 55032 B	Pressure	:101.6kPa
Env./Ins.	:22.4°C/56%	Engineer	:Hongjie
EUT	:M/N:Q27B36X		
Power Rating	:AC 230V/50Hz		
Test Mode	:HDMI:2560*1440@144Hz		
	Line:1.8m		

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.166	9.62	0.02	17.80	27.44	55.17	27.73	Average
2	0.166	9.62	0.02	29.10	38.74	65.17	26.43	QP
3	0.210	9.63	0.02	20.00	29.65	53.21	23.56	Average
4	0.210	9.63	0.02	30.90	40.55	63.21	22.66	QP
5	0.242	9.62	0.02	22.01	31.65	52.04	20.39	Average
6	0.242	9.62	0.02	29.51	39.15	62.04	22.89	QP
7	0.270	9.62	0.02	20.80	30.44	51.12	20.68	Average
8	0.270	9.62	0.02	28.40	38.04	61.12	23.08	QP
9	0.373	9.60	0.03	15.50	25.13	48.43	23.30	Average
10	0.373	9.60	0.03	22.90	32.53	58.43	25.90	QP
11	0.617	9.61	0.03	22.10	31.74	46.00	14.26	Average
12	0.617	9.61	0.03	27.70	37.34	56.00	18.66	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



Site no :2# Conduction Data No :2
 Dis./Lisn :2025 ENV216 0.15-30M LISN phase:NEUTRAL
 Limit :EN 55032 B Pressure :101.6kPa
 Env./Ins. :22.4°C/56% Engineer :Hongjie
 EUT :M/N:Q27B36X
 Power Rating :AC 230V/50Hz
 Test Mode :HDMI:2560*1440@144Hz
 Line:1.8m

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.174	9.65	0.02	20.50	30.17	54.77	24.60	Average
2	0.174	9.65	0.02	29.10	38.77	64.77	26.00	QP
3	0.202	9.65	0.02	19.90	29.57	53.54	23.97	Average
4	0.202	9.65	0.02	28.30	37.97	63.54	25.57	QP
5	0.234	9.64	0.02	18.21	27.87	52.31	24.44	Average
6	0.234	9.64	0.02	25.31	34.97	62.31	27.34	QP
7	0.277	9.63	0.02	18.48	28.13	50.91	22.78	Average
8	0.277	9.63	0.02	24.41	34.06	60.91	26.85	QP
9	0.307	9.63	0.03	18.19	27.85	50.06	22.21	Average
10	0.307	9.63	0.03	21.79	31.45	60.06	28.61	QP
11	0.620	9.62	0.03	20.90	30.55	46.00	15.45	Average
12	0.620	9.62	0.03	27.80	37.45	56.00	18.55	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1. Test Equipments

The following test equipments are used during the radiated emission measurement:

4.1.1. For frequency range 30MHz~1000MHz (In 10m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	10m Chamber(NSA)	AUDIX	N/A	N/A	Aug.08,25	3 Year
2.	10m Chamber(SE)	AUDIX	N/A	N/A	Sep.14,25	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	103669	Sep.15,25	1 Year
4.	Signal Analyzer	Rohde & Schwarz	FSV30	103670	Jun.09,25	1 Year
5.	EMI Test Receiver	Rohde & Schwarz	ESR3	102891	Sep.15,25	1 Year
6.	Amplifier	EMCI	EMC9135	980348	Dec.12,24	1 Year
7.	Amplifier	EM	EM101	060951	Mar.10,25	1 Year
8.	Tri-log-Broadband Antenna	Schwarzbeck	VULB 9168	493	Jan.20,25	1 Year
9.	Tri-log-Broadband Antenna	SCHWARZBECK	VULB 9168	01317	Nov.22,24	1 Year
10.	RF Cable	EMCI	EMCCFD400-N M-NM-2500	No.4+190413	Mar.10,25	1 Year
11.	RF Cable	SPUMA	CFD400-NM-NM	160727+160728	Mar.10,25	1 Year
12.	Coaxial Switch	Anritsu	MP59B	6201397220	Mar.10,25	1 Year
13.	Coaxial Switch	Anritsu	MP59B	6201397221	Mar.10,25	1 Year
14.	Coaxial Switch	Anritsu	MP59B	6201397224	Mar.10,25	1 Year
15.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

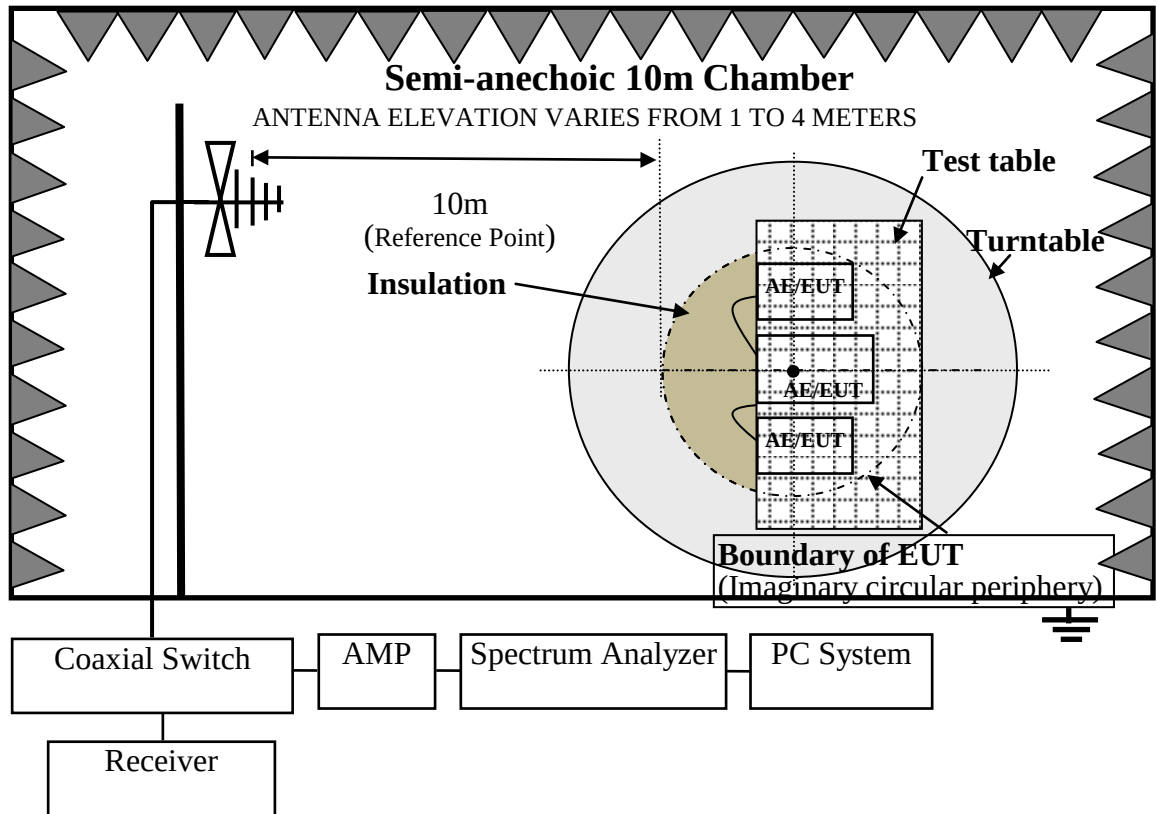
4.1.2. For frequency range 1GHz~6GHz (In 10m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	10m Chamber(Svswr)	AUDIX	N/A	N/A	Aug.03,25	3 Year
2.	10m Chamber(SE)	AUDIX	N/A	N/A	Sep.14,25	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	103669	Sep.15,25	1 Year
4.	Horn Antenna	ETS	3117	00218552	Mar.05,25	1 Year
5.	Amplifier	EMCI	EMC0518A45SE	980965	Aug.07,25	1 Year
6.	RF Cable	TIMES MICROWAVE	SFT205-NMSM-10.00M	689241	Aug.07,25	1 Year
7.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

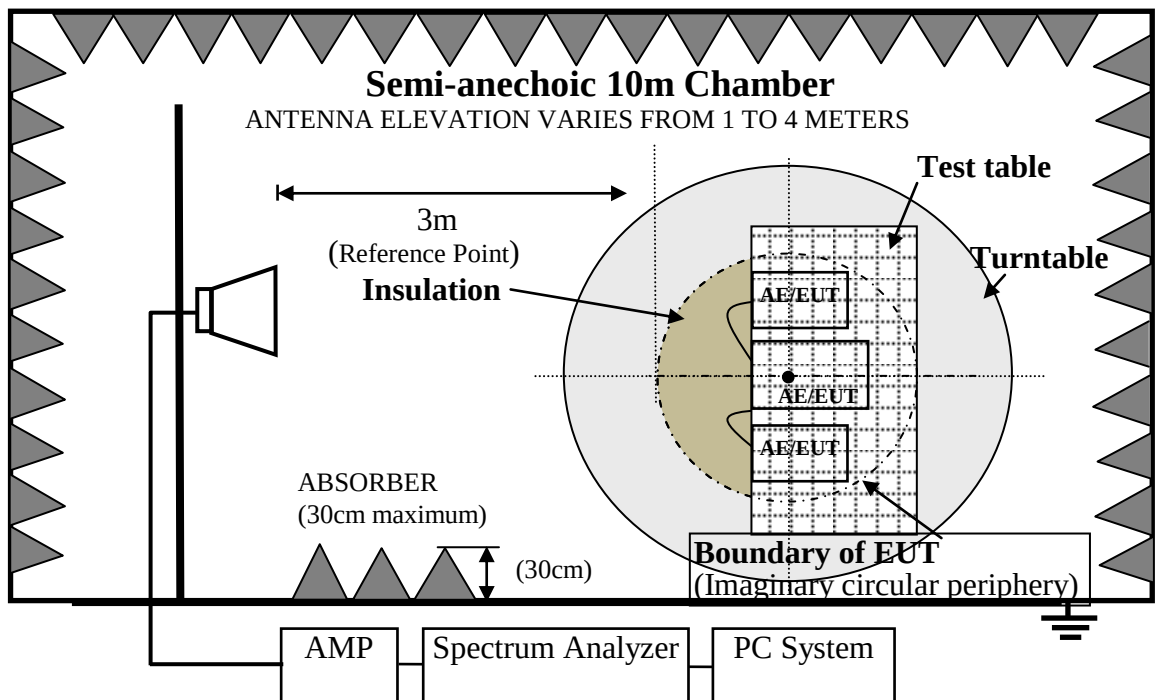
Note: N/A means Not applicable.

4.2. Block Diagram of Test Setup

4.2.1. In 10m Anechoic Chamber Test Setup Diagram for 30MHz-1000MHz



4.2.2. In 10m Anechoic Chamber Test Setup Diagram for 1GHz-6GHz



4.3. Test Standard

EN 55032: 2015 (Class B)
 EN 55032: 2015+A11: 2020
 EN 55032: 2015+A1: 2020
 BS EN 55032: 2015 (Class B)
 BS EN 55032: 2015+A11: 2020
 BS EN 55032: 2015+A1: 2020

4.4. Radiated Emission Class B Limits

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

Table 1:

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB μ V/m)
30 ~ 230	10	30
230 ~ 1000	10	37
1000~3000	3	70(Peak) 50(Average)
3000~6000	3	74(Peak) 54(Average)

Note: (1) Emission Level (dB μ V/m) = Reading (Receiver) (dB μ V) + Antenna Factor (dB/m) + Cable Loss (dB)
 Emission Level (dB μ V/m) = Reading (Spectrum) (dB μ V) + Antenna Factor (dB/m) – AMP Factor (dB) + Cable Loss (dB)(above 1000MHz)
 (2) The lower limit shall apply at the transition frequencies.

Table 2: Limit for EN 55032:2015+A1:2020

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB μ V/m)
30 ~ 230	10	30
230 ~ 1000	10	37
1000~6000	3	74(Peak) 54(Average)

The limits listed in table 1 is strict than the limits listed in table 2.

The EUT which complies with table 1 limit is deemed to comply with table 2 limit.

Note: (1) Emission Level (dB μ V/m) = Reading (Receiver) (dB μ V) + Antenna Factor (dB/m) + Cable Loss (dB)
 Emission Level (dB μ V/m) = Reading (Spectrum) (dB μ V) + Antenna Factor (dB/m) – AMP Factor (dB) + Cable Loss (dB)(above 1000MHz)
 (2) The lower limit shall apply at the transition frequencies.

4.5. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 10 meters from the periphery of test system 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 for EN 55032; BS EN 55032. 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 equipments and all of the interface cables were changed according to EN 55032; BS EN 55032 Class B on radiated disturbance test.

The bandwidth setting on the test receiver is 120 kHz.

The resolution bandwidth of the Signal Analyzer was set at 1MHz. (For above 1GHz)

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

The frequency range from 1GHz to 6GHz was checked and all final readings of measurement were with Peak and Average detector, measurement distance was 3m at semi-anechoic chamber. the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. The portion of the test volume that was obstructed by absorber placed on the floor (30cm maximum).

Finally, selected operating situations at Anechoic Chamber measurement, all the test results are listed in section 4.6.

4.6. Radiated Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: LCD Monitor Model No.: Q27B36X

For frequency range 30MHz~1000MHz

The EUT with following test modes were pre-tested:

No.	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency
1.	AC 230V/50Hz	PC Mode	HDMI	1.8m	640*480@60Hz
2.					1280*1024@75Hz
3.					1920*1080@60Hz
4.					2560*1440@144Hz
5.			HDMI	1.5m	2560*1440@144Hz
6.				1.2m	2560*1440@144Hz
7.			DP	1.8m	640*480@60Hz
8.					1280*1024@75Hz
9.					1920*1080@60Hz
10.					2560*1440@144Hz
11.		DVD Mode	HDMI	1.8m	Color Bar
12.		Standby	---	---	---
13.	AC 110V/60Hz	PC Mode	HDMI	1.8m	2560*1440@144Hz

The result of worst test mode is presented in the report as below and the test data are listed in next pages.

No.	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency	Reference Test Data No.	
						Horizontal	Vertical
1.	AC 230V/50Hz	PC Mode	HDMI	1.8m	2560*1440@144Hz	#2	#1

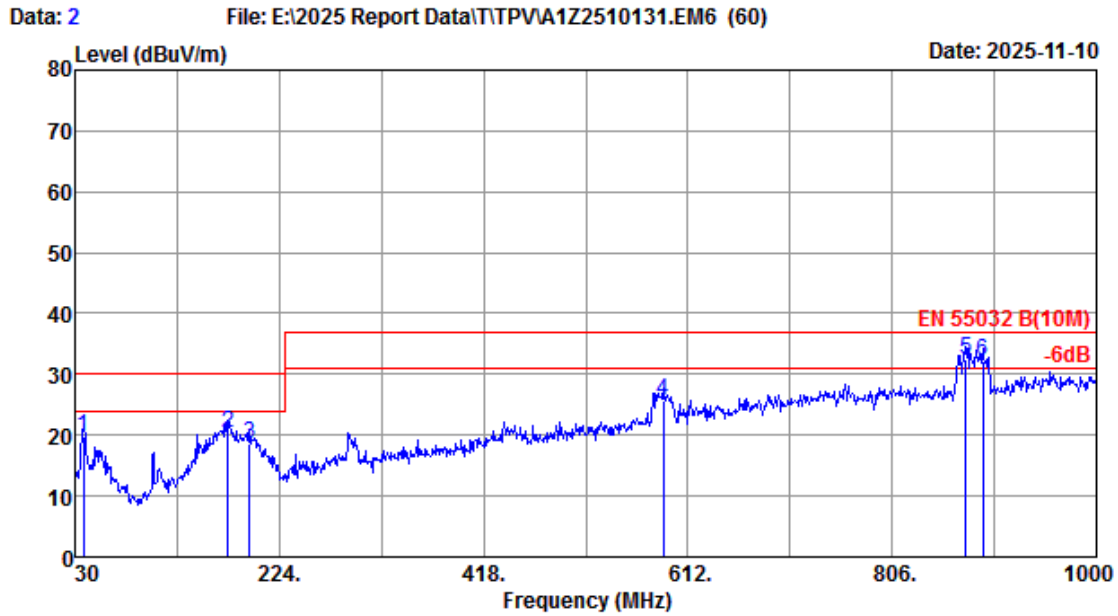
For frequency range 1GHz~6GHz

The EUT with following test modes were pre-tested:

No.	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency
1.	AC 230V/50Hz	PC Mode	HDMI	1.8m	1280*1024@75Hz
2.					1920*1080@60Hz
3.					2560*1440@144Hz
4.				1.5m	2560*1440@144Hz
5.				1.2m	2560*1440@144Hz
6.			DP	1.8m	1280*1024@75Hz
7.					1920*1080@60Hz
8.					2560*1440@144Hz
9.		DVD Mode	HDMI	1.8m	Color Bar
10.		Standby	---	---	---
11.	AC 110V/60Hz	PC Mode	HDMI	1.8m	2560*1440@144Hz

The result of worst test mode is presented in the report as below and the test data are listed in next pages.

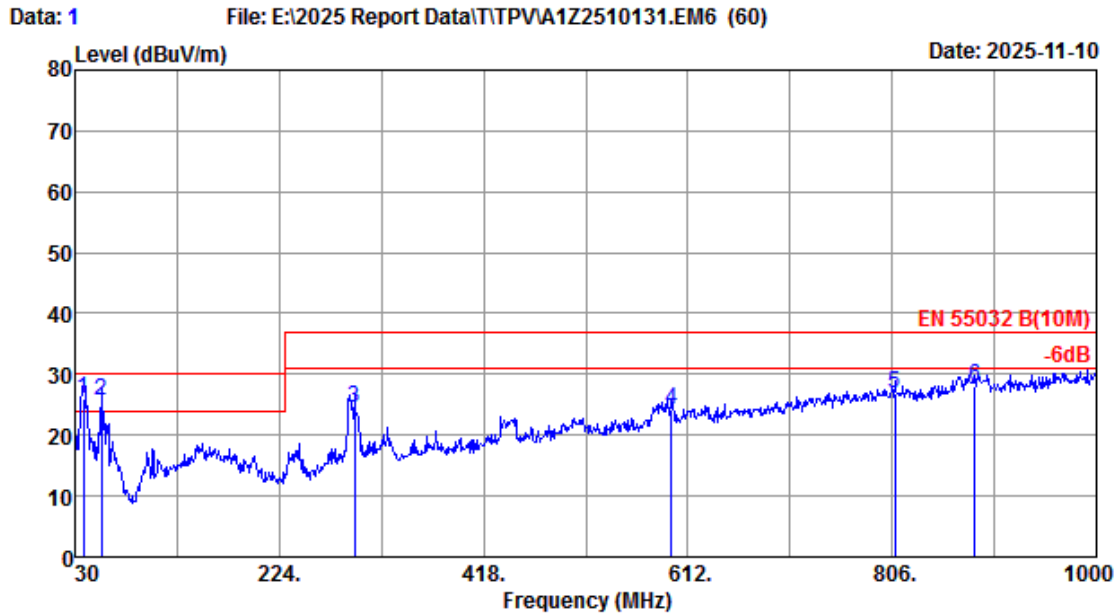
No.	Test Voltage	Test Mode	Input Port	Cable Length	Resolution & Frequency	Reference Test Data No.	
						Horizontal	Vertical
1.	AC 230V/50Hz	PC Mode	HDMI	1.8m	2560*1440@144Hz	#4	#3



Site no. : 10m Chamber Data no. : 2
 Dis. / Ant. : 10m 2024 VULB9168-01317 Ant. pol. : HORIZONTAL
 Limit : EN 55032 B(10M) Pressure : 101.6kPa
 Env. / Ins. : 22.4°C/55% Engineer : Cinder
 EUT : M/N:Q27B36X
 Power rating : AC 230V/50Hz
 Test Mode : HDMI:2560*1440@144Hz
 Line:1.8m

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.760	18.78	0.68	0.43	19.89	30.00	10.11	QP
2	175.500	18.05	1.71	0.64	20.40	30.00	9.60	QP
3	195.870	16.10	1.85	0.61	18.56	30.00	11.44	QP
4	588.720	25.05	4.11	-3.55	25.61	37.00	11.39	QP
5	875.840	28.70	4.74	-0.90	32.54	37.00	4.46	QP*
6	892.330	28.80	4.76	-1.32	32.24	37.00	4.76	QP

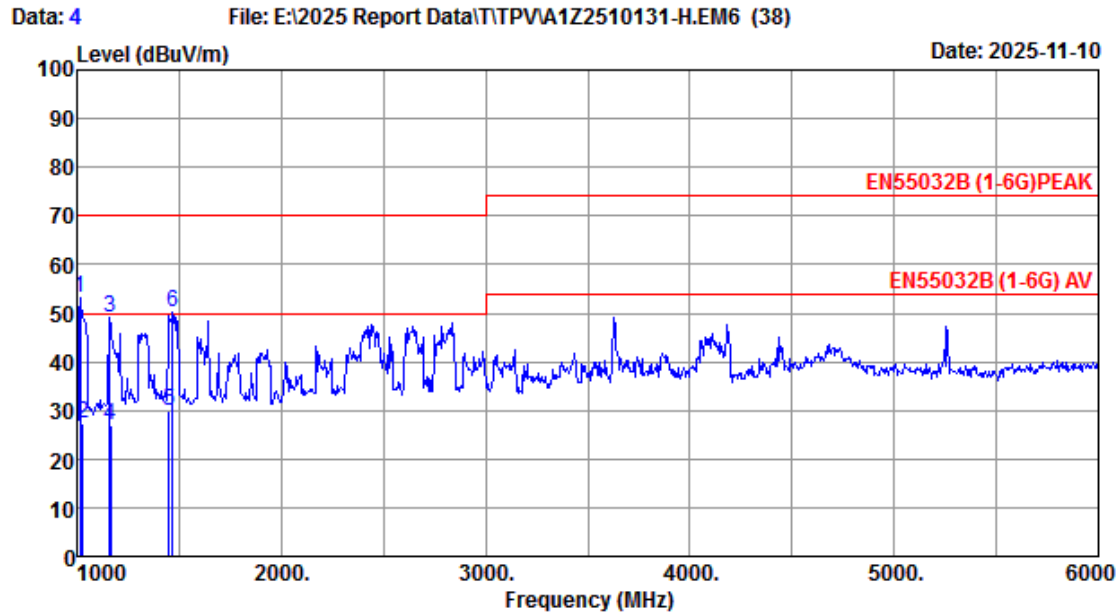
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The worst emission was detected at 875.840MHz with corrected signal level of 32.54dBμV/m. (Antenna height 1.64m; Turntable degree 218°).
 3. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Site no. : 10m Chamber Data no. : 1
 Dis. / Ant. : 10m 2025 VULB9168 493 Ant. pol. : VERTICAL
 Limit : EN 55032 B(10M) Pressure : 101.6kPa
 Env. / Ins. : 22.4°C/55% Engineer : Cinder
 EUT : M/N:Q27B36X
 Power rating : AC 230V/50Hz
 Test Mode : HDMI:2560*1440@144Hz
 Line:1.8m

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.760	19.28	0.92	5.65	25.85	30.00	4.15	QP*
2	55.220	19.70	1.14	4.77	25.61	30.00	4.39	QP
3	295.780	19.22	2.73	2.69	24.64	37.00	12.36	QP
4	596.480	25.53	4.41	-5.84	24.10	37.00	12.90	QP
5	808.910	28.60	5.45	-7.22	26.83	37.00	10.17	QP
6	884.570	29.20	5.79	-7.08	27.91	37.00	9.09	QP

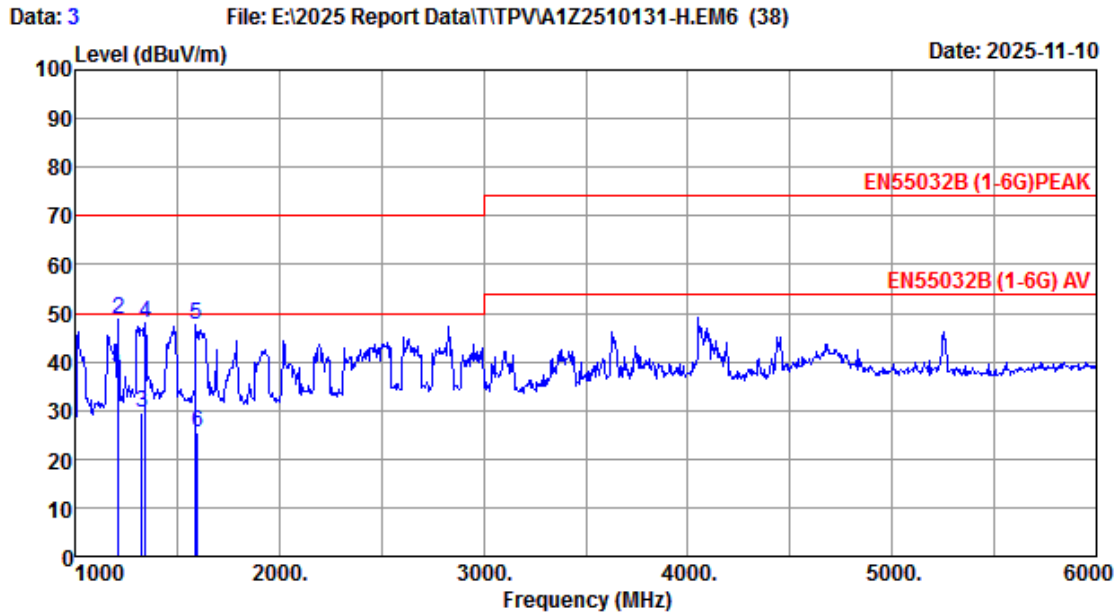
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The worst emission was detected at 37.760MHz with corrected signal level of 25.85dBμV/m. (Antenna height 3.74m; Turntable degree 110°).
 3. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Site no.	: 10m Chamber	Data no.	: 4
Dis. / Ant.	: 3m 2025 3117	Ant. pol.	: HORIZONTAL
Limit	: EN55032B (1-6G) PEAK	Pressure	: 101.6kPa
Env. / Ins.	: 24.1°C/54%	Engineer	: Abel
EUT	: M/N:Q27B36X		
Power rating	: AC 230V/50Hz		
Test Mode	: HDMI:2560*1440@144Hz		
	Line:1.8m		

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1015.000	28.13	2.92	44.54	66.75	53.26	70.00	16.74	Peak
2	1028.642	27.67	2.95	44.58	41.13	27.17	50.00	22.83	Average
3	1160.000	27.60	3.16	44.92	63.37	49.21	70.00	20.79	Peak
4	1163.875	27.80	3.16	44.93	40.79	26.82	50.00	23.18	Average
5	1450.209	28.10	3.62	45.69	43.77	29.80	50.00	20.20	Average
6	1470.000	27.90	3.65	45.75	64.29	50.09	70.00	19.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor



Site no. : 10m Chamber Data no. : 3
 Dis. / Ant. : 3m 2025 3117 Ant. pol. : VERTICAL
 Limit : EN55032B (1-6G) PEAK Pressure : 101.6kPa
 Env. / Ins. : 24.1°C/54% Engineer : Abel
 EUT : M/N:Q27B36X
 Power rating : AC 230V/50Hz
 Test Mode : HDMI:2560*1440@144Hz
 Line:1.8m

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1208.520	28.20	3.23	45.05	50.45	36.83	50.00	13.17	Average
2	1215.000	28.47	3.24	45.07	62.15	48.79	70.00	21.21	Peak
3	1326.996	29.13	3.42	45.37	42.43	29.61	50.00	20.39	Average
4	1345.000	29.07	3.45	45.41	60.99	48.10	70.00	21.90	Peak
5	1590.000	28.10	3.79	46.06	61.65	47.48	70.00	22.52	Peak
6	1598.811	28.10	3.80	46.09	39.47	25.28	50.00	24.72	Average

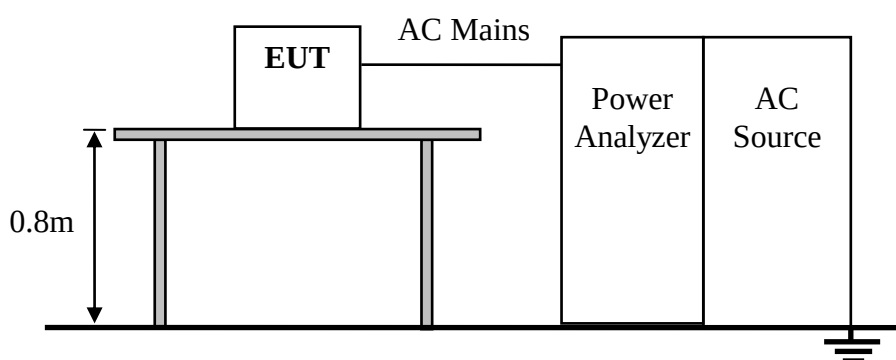
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor

5. HARMONIC CURRENT EMISSION TEST

5.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	55KVA EMC Compliance Test System	APS	ECTS2-3550Z-C	550287	Oct.20,25	1 Year

5.2. Block Diagram of Test Setup



5.3. Test Standard

EN 61000-3-2: 2014, Class D

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

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

BS EN 61000-3-2: 2014

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

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

5.4.Limits of Harmonic Current

Limits for Class D Equipment		
Harmonic order (n)	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	0.30	0.21
$15 \leq n \leq 39$ (odd harmonic only)	$3.85/n$	$0.15 \times 15/n$

Remark: if the EUT Power level is below 75 Watts and therefore has no defined limits.

5.5.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.

5.6. Test Results

PASS. (Test results are recorded in next page)

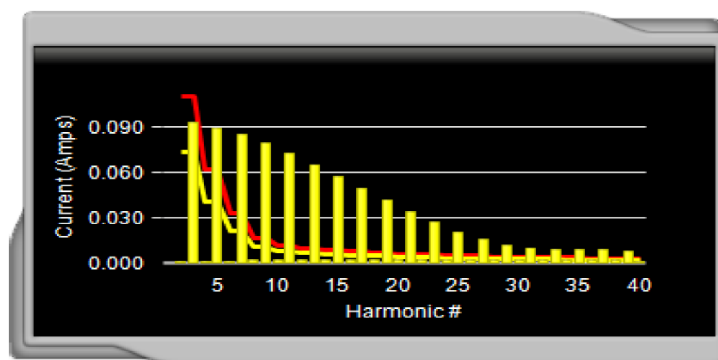
Test File: H-20251104_306
 EUT: Q27B36X
 Test Standard: Test per IEC 61000-3-2 Ed. 5.2 : 2024
 Test Class: (Class D - Measured) (Inter-Harm. ON) (Imped. Bypass) (1PH-FMR3)
 Test Result: **N/A, Min power for Class-D is 75 Watt**
 Test Date: 11/4/2025
 Start Time: 1:57:50 PM
 Stop Time: 2:00:31 PM
 Test Duration (min): 2.5

Source Qualification: Compliance with IEC 61000-3-2 Ed. 5.2 : 2024
 Power Source Distortion: **OK**
 Temp (°C) : 23.1
 Hum. (% RH) : 53.0
 Customer: TPV
 Test By: Kennen
 Comments: PC Mode

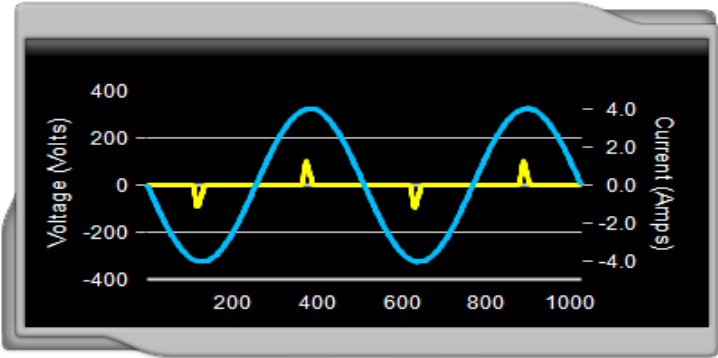
General Test Data: (Phase A)

Vrms (Volts)/V-pk/V-CF:	229.77 / 326.0 / 1.419	Frequency (Hz):	50.0001
I _{rms} (Amps):	0.244	Power (VA)/VAR:	55.92/51.63
I _{fund} /I _{ref} (Amps):	0.097 / 0.0967	Power (W):	21.48
I _{peak} (Amps)/I-CF:	1.426 / 5.414	Power Factor:	0.384
V-THD (%):	0.07	I-THD (%):	230.40
POHC (A):	0.0546 (method C.3)	POHC Limit (A):	0.0093
I-THC (A):	0.222	Power (W)(Min/Max):	21.41/21.61
Phase angle of H5 (deg):	26.91		

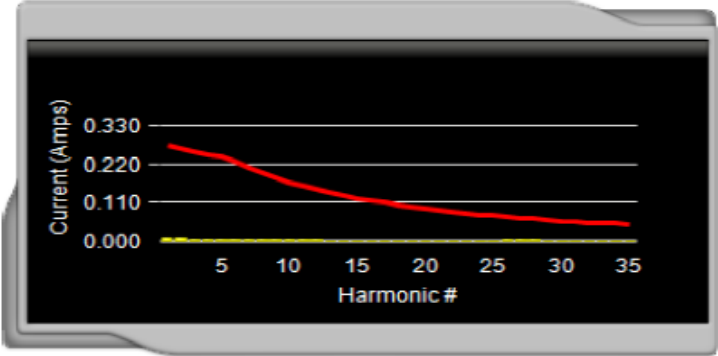
Harmonic Spectrum



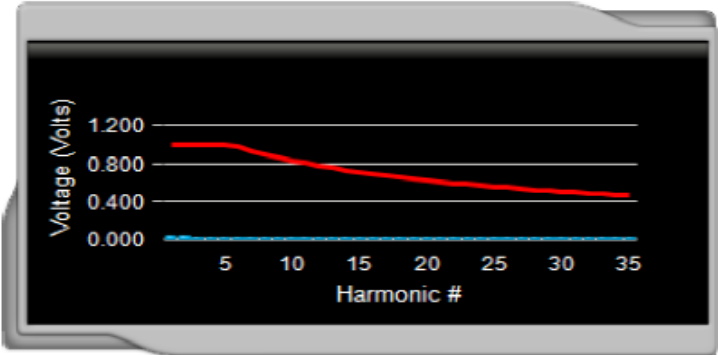
Voltage & Current Waveform



2.9kHz Current Harmonic Spectrum



2.9kHz Voltage Harmonic Spectrum



Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Harm. Win.	Win. (150%)	% Of Max	Result (Max.)
2	0.0008	0.0735	N/A	N/A	0.0010	0.1102	N/A	N/A
3	0.0926	0.0735	N/A	N/A	0.0927	0.1102	N/A	N/A
4	0.0011	0.0411	N/A	N/A	0.0012	0.0616	N/A	N/A
5	0.0893	0.0411	N/A	N/A	0.0893	0.0616	N/A	N/A
6	0.0013	0.0216	N/A	N/A	0.0014	0.0324	N/A	N/A
7	0.0849	0.0216	N/A	N/A	0.0851	0.0324	N/A	N/A
8	0.0015	0.0108	N/A	N/A	0.0017	0.0162	N/A	N/A
9	0.0792	0.0108	N/A	N/A	0.0793	0.0162	N/A	N/A
10	0.0017	0.0076	N/A	N/A	0.0018	0.0113	N/A	N/A
11	0.0725	0.0076	N/A	N/A	0.0727	0.0113	N/A	N/A
12	0.0019	0.0064	N/A	N/A	0.0021	0.0096	N/A	N/A
13	0.0651	0.0064	N/A	N/A	0.0653	0.0096	N/A	N/A
14	0.0020	0.0055	N/A	N/A	0.0022	0.0083	N/A	N/A
15	0.0572	0.0055	N/A	N/A	0.0574	0.0083	N/A	N/A
16	0.0021	0.0049	N/A	N/A	0.0023	0.0073	N/A	N/A
17	0.0492	0.0049	N/A	N/A	0.0494	0.0073	N/A	N/A
18	0.0021	0.0044	N/A	N/A	0.0023	0.0066	N/A	N/A
19	0.0412	0.0044	N/A	N/A	0.0414	0.0066	N/A	N/A
20	0.0022	0.0040	N/A	N/A	0.0024	0.0059	N/A	N/A
21	0.0335	0.0040	N/A	N/A	0.0338	0.0059	N/A	N/A
22	0.0022	0.0036	N/A	N/A	0.0024	0.0054	N/A	N/A
23	0.0265	0.0036	N/A	N/A	0.0268	0.0054	N/A	N/A
24	0.0021	0.0033	N/A	N/A	0.0024	0.0050	N/A	N/A
25	0.0204	0.0033	N/A	N/A	0.0207	0.0050	N/A	N/A
26	0.0021	0.0031	N/A	N/A	0.0023	0.0046	N/A	N/A
27	0.0153	0.0031	N/A	N/A	0.0156	0.0046	N/A	N/A
28	0.0020	0.0029	N/A	N/A	0.0022	0.0043	N/A	N/A
29	0.0116	0.0029	N/A	N/A	0.0119	0.0043	N/A	N/A
30	0.0019	0.0027	N/A	N/A	0.0022	0.0040	N/A	N/A
31	0.0094	0.0027	N/A	N/A	0.0096	0.0040	N/A	N/A
32	0.0018	0.0025	N/A	N/A	0.0021	0.0038	N/A	N/A
33	0.0085	0.0025	N/A	N/A	0.0087	0.0038	N/A	N/A
34	0.0017	0.0024	N/A	N/A	0.0020	0.0036	N/A	N/A
35	0.0084	0.0024	N/A	N/A	0.0086	0.0036	N/A	N/A
36	0.0017	0.0022	N/A	N/A	0.0019	0.0034	N/A	N/A
37	0.0084	0.0022	N/A	N/A	0.0086	0.0034	N/A	N/A
38	0.0016	0.0021	N/A	N/A	0.0018	0.0032	N/A	N/A
39	0.0081	0.0021	N/A	N/A	0.0084	0.0032	N/A	N/A
40	0.0012	0.0021	N/A	N/A	0.0014	0.0032	N/A	N/A

Current Harmonics (150% of limits exceeded in window number 1)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Harm. Win.	Win. (150%)	% Of Max	Result (Max.)
2	0.0009	0.0732	N/A	N/A	0.0009	0.1098	N/A	N/A
3	0.0925	0.0732	N/A	N/A	0.0925	0.1098	N/A	N/A
4	0.0012	0.0409	N/A	N/A	0.0012	0.0614	N/A	N/A
5	0.0892	0.0409	N/A	N/A	0.0892	0.0614	N/A	N/A
6	0.0013	0.0215	N/A	N/A	0.0013	0.0323	N/A	N/A
7	0.0848	0.0215	N/A	N/A	0.0848	0.0323	N/A	N/A
8	0.0015	0.0108	N/A	N/A	0.0015	0.0162	N/A	N/A
9	0.0790	0.0108	N/A	N/A	0.0790	0.0162	N/A	N/A
10	0.0017	0.0075	N/A	N/A	0.0017	0.0113	N/A	N/A
11	0.0724	0.0075	N/A	N/A	0.0724	0.0113	N/A	N/A
12	0.0019	0.0064	N/A	N/A	0.0019	0.0096	N/A	N/A
13	0.0649	0.0064	N/A	N/A	0.0649	0.0096	N/A	N/A
14	0.0020	0.0055	N/A	N/A	0.0020	0.0083	N/A	N/A
15	0.0570	0.0055	N/A	N/A	0.0570	0.0083	N/A	N/A
16	0.0021	0.0049	N/A	N/A	0.0021	0.0073	N/A	N/A
17	0.0489	0.0049	N/A	N/A	0.0489	0.0073	N/A	N/A
18	0.0022	0.0044	N/A	N/A	0.0022	0.0065	N/A	N/A
19	0.0409	0.0044	N/A	N/A	0.0409	0.0065	N/A	N/A
20	0.0022	0.0039	N/A	N/A	0.0022	0.0059	N/A	N/A
21	0.0332	0.0039	N/A	N/A	0.0332	0.0059	N/A	N/A
22	0.0023	0.0036	N/A	N/A	0.0023	0.0054	N/A	N/A
23	0.0262	0.0036	N/A	N/A	0.0262	0.0054	N/A	N/A
24	0.0023	0.0033	N/A	N/A	0.0023	0.0050	N/A	N/A
25	0.0201	0.0033	N/A	N/A	0.0201	0.0050	N/A	N/A
26	0.0023	0.0031	N/A	N/A	0.0023	0.0046	N/A	N/A
27	0.0151	0.0031	N/A	N/A	0.0151	0.0046	N/A	N/A
28	0.0022	0.0029	N/A	N/A	0.0022	0.0043	N/A	N/A
29	0.0114	0.0029	N/A	N/A	0.0114	0.0043	N/A	N/A
30	0.0022	0.0027	N/A	N/A	0.0022	0.0040	N/A	N/A
31	0.0093	0.0027	N/A	N/A	0.0093	0.0040	N/A	N/A
32	0.0021	0.0025	N/A	N/A	0.0021	0.0038	N/A	N/A
33	0.0085	0.0025	N/A	N/A	0.0085	0.0038	N/A	N/A
34	0.0020	0.0024	N/A	N/A	0.0020	0.0036	N/A	N/A
35	0.0084	0.0024	N/A	N/A	0.0084	0.0036	N/A	N/A
36	0.0019	0.0022	N/A	N/A	0.0019	0.0034	N/A	N/A
37	0.0083	0.0022	N/A	N/A	0.0083	0.0034	N/A	N/A
38	0.0018	0.0021	N/A	N/A	0.0018	0.0032	N/A	N/A
39	0.0081	0.0021	N/A	N/A	0.0081	0.0032	N/A	N/A
40	0.0014	0.0021	N/A	N/A	0.0014	0.0032	N/A	N/A

2-9kHz Current Harmonics (values at the end of test)

Freq. (Hz)	I-A-rms	I-Limit	% Of Limits	Result (Ave.)	Cal. Volt-rms	V-Limit 230V	Result (Ave.)
2100	0.0110	0.2759	4.0	PASS	0.0398	1.0000	PASS
2300	0.0081	0.2663	3.0	PASS	0.0306	1.0000	PASS
2500	0.0052	0.2571	1.9	PASS	0.0202	1.0000	PASS
2700	0.0036	0.2483	1.3	PASS	0.0146	1.0000	PASS
2900	0.0036	0.2399	1.3	PASS	0.0149	1.0000	PASS
3100	0.0037	0.2269	1.3	PASS	0.0160	0.9785	PASS
3300	0.0033	0.2099	1.2	PASS	0.0147	0.9362	PASS
3500	0.0028	0.1948	1.0	PASS	0.0128	0.8980	PASS
3700	0.0026	0.1812	0.9	PASS	0.0122	0.8633	PASS
3900	0.0027	0.1690	1.0	PASS	0.0132	0.8317	PASS
4100	0.0027	0.1580	1.0	PASS	0.0139	0.8028	PASS
4300	0.0026	0.1480	0.9	PASS	0.0135	0.7762	PASS
4500	0.0022	0.1389	0.8	PASS	0.0120	0.7516	PASS
4700	0.0019	0.1306	0.7	PASS	0.0104	0.7288	PASS
4900	0.0018	0.1230	0.6	PASS	0.0101	0.7076	PASS
5100	0.0018	0.1160	0.6	PASS	0.0106	0.6879	PASS
5300	0.0019	0.1096	0.7	PASS	0.0117	0.6694	PASS
5500	0.0019	0.1037	0.7	PASS	0.0121	0.6520	PASS
5700	0.0018	0.0982	0.7	PASS	0.0118	0.6358	PASS
5900	0.0019	0.0931	0.7	PASS	0.0125	0.6204	PASS
6100	0.0021	0.0884	0.8	PASS	0.0143	0.6060	PASS
6300	0.0023	0.0840	0.8	PASS	0.0160	0.5923	PASS
6500	0.0023	0.0799	0.8	PASS	0.0167	0.5793	PASS
6700	0.0022	0.0761	0.8	PASS	0.0165	0.5670	PASS
6900	0.0023	0.0725	0.8	PASS	0.0173	0.5553	PASS
7100	0.0023	0.0692	0.8	PASS	0.0183	0.5442	PASS
7300	0.0023	0.0661	0.8	PASS	0.0189	0.5336	PASS
7500	0.0023	0.0631	0.8	PASS	0.0193	0.5235	PASS
7700	0.0023	0.0604	0.8	PASS	0.0197	0.5138	PASS
7900	0.0021	0.0578	0.8	PASS	0.0187	0.5046	PASS
8100	0.0021	0.0554	0.7	PASS	0.0184	0.4957	PASS
8300	0.0020	0.0531	0.7	PASS	0.0186	0.4872	PASS
8500	0.0021	0.0509	0.8	PASS	0.0196	0.4791	PASS
8700	0.0023	0.0489	0.8	PASS	0.0218	0.4713	PASS
8900	0.0023	0.0469	0.8	PASS	0.0228	0.4638	PASS

Power Source Verification Data

Harm No.	Harm. Value	Harm. Limit	% Of Limits	% Of Vfund	Result
RMS	229.775	230.000	99.902	100.000	OK
2	0.083	0.460	18.097	0.036	OK
3	0.137	2.068	6.634	0.060	OK
4	0.036	0.460	7.763	0.016	OK
5	0.040	0.919	4.300	0.017	OK
6	0.026	0.460	5.700	0.011	OK
7	0.044	0.689	6.388	0.019	OK
8	0.014	0.460	3.155	0.006	OK
9	0.029	0.460	6.360	0.013	OK
10	0.018	0.460	3.856	0.008	OK
11	0.029	0.230	12.810	0.013	OK
12	0.027	0.230	11.625	0.012	OK
13	0.037	0.230	16.101	0.016	OK
14	0.029	0.230	12.465	0.012	OK
15	0.032	0.230	13.797	0.014	OK
16	0.017	0.230	7.210	0.007	OK
17	0.035	0.230	15.253	0.015	OK
18	0.015	0.230	6.573	0.007	OK
19	0.033	0.230	14.398	0.014	OK
20	0.020	0.230	8.873	0.009	OK
21	0.029	0.230	12.494	0.012	OK
22	0.021	0.230	8.945	0.009	OK
23	0.029	0.230	12.656	0.013	OK
24	0.014	0.230	6.038	0.006	OK
25	0.028	0.230	12.197	0.012	OK
26	0.014	0.230	6.169	0.006	OK
27	0.022	0.230	9.435	0.009	OK
28	0.019	0.230	8.467	0.008	OK
29	0.021	0.230	9.346	0.009	OK
30	0.014	0.230	6.225	0.006	OK
31	0.016	0.230	6.751	0.007	OK
32	0.018	0.230	7.907	0.008	OK
33	0.022	0.230	9.461	0.009	OK
34	0.016	0.230	6.967	0.007	OK
35	0.020	0.230	8.845	0.009	OK
36	0.019	0.230	8.464	0.008	OK
37	0.020	0.230	8.885	0.009	OK
38	0.020	0.230	8.846	0.009	OK
39	0.022	0.230	9.625	0.010	OK
40	0.019	0.230	8.383	0.008	OK

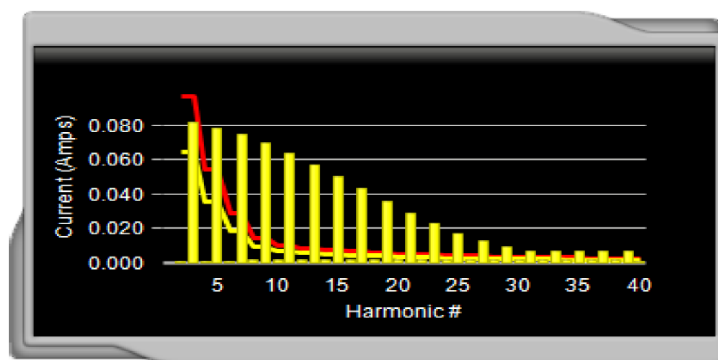
Test File: H-20251104_303
 EUT: Q27B36X
 Test Standard: Test per IEC 61000-3-2 Ed. 5.2 : 2024
 Test Class: (Class D - Measured) (Inter-Harm. ON) (Imped. Bypass) (1PH-FMR3)
 Test Result: **N/A, Min power for Class-D is 75 Watt**
 Test Date: 11/4/2025
 Start Time: 1:19:11 PM
 Stop Time: 1:21:52 PM
 Test Duration (min): 2.5

Source Qualification: Compliance with IEC 61000-3-2 Ed. 5.2 : 2024
 Power Source Distortion: **OK**
 Temp (°C) : 23.1
 Hum. (% RH) : 53.0
 Customer: TPV
 Test By: Kennen
 Comments: Running BurnIn Test V9.0

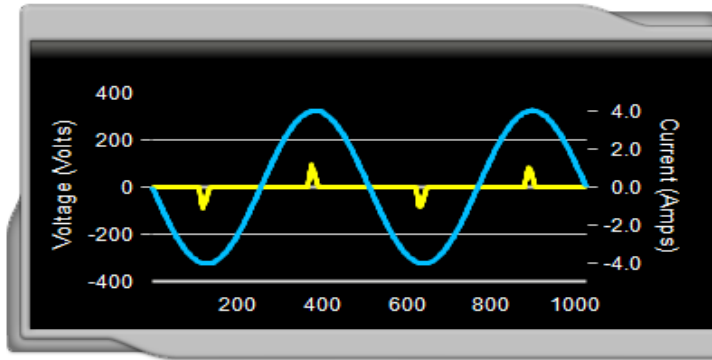
General Test Data: (Phase A)

Vrms (Volts)/V-pk/V-CF:	229.72 / 326.0 / 1.419	Frequency (Hz):	50.0001
I _{rms} (Amps):	0.214	Power (VA)/VAR:	49.28/45.52
I _{fund} /I _{ref} (Amps):	0.085 / 0.0853	Power (W):	18.90
I _{peak} (Amps)/I-CF:	1.257 / 5.204	Power Factor:	0.383
V-THD (%):	0.07	I-THD (%):	230.15
POHC (A):	0.0459 (method C.3)	POHC Limit (A):	0.0082
I-THC (A):	0.196	Power (W)(Min/Max):	18.79/18.98
Phase angle of H5 (deg):	23.73		

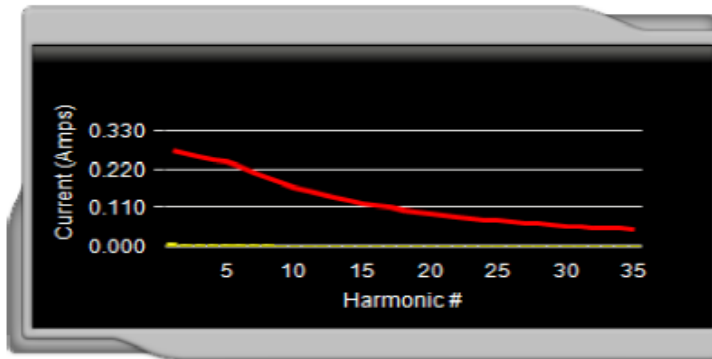
Harmonic Spectrum



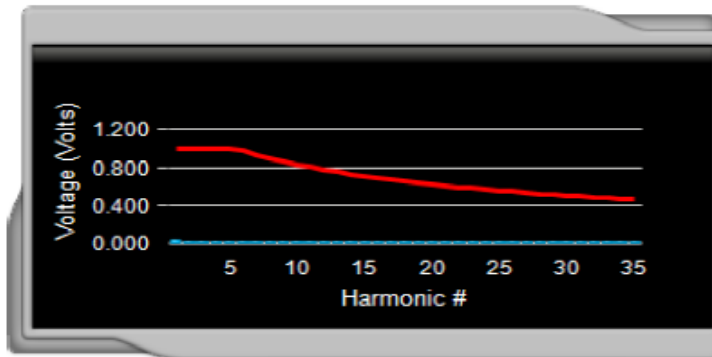
Voltage & Current Waveform



2.9kHz Current Harmonic Spectrum



2.9kHz Voltage Harmonic Spectrum



Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Harm. Win.	Win. (150%)	% Of Max	Result (Max.)
2	0.0008	0.0645	N/A	N/A	0.0009	0.0968	N/A	N/A
3	0.0813	0.0645	N/A	N/A	0.0815	0.0968	N/A	N/A
4	0.0010	0.0361	N/A	N/A	0.0012	0.0541	N/A	N/A
5	0.0784	0.0361	N/A	N/A	0.0785	0.0541	N/A	N/A
6	0.0012	0.0190	N/A	N/A	0.0013	0.0285	N/A	N/A
7	0.0746	0.0190	N/A	N/A	0.0747	0.0285	N/A	N/A
8	0.0014	0.0095	N/A	N/A	0.0015	0.0142	N/A	N/A
9	0.0695	0.0095	N/A	N/A	0.0696	0.0142	N/A	N/A
10	0.0015	0.0066	N/A	N/A	0.0016	0.0100	N/A	N/A
11	0.0636	0.0066	N/A	N/A	0.0638	0.0100	N/A	N/A
12	0.0016	0.0056	N/A	N/A	0.0018	0.0084	N/A	N/A
13	0.0570	0.0056	N/A	N/A	0.0573	0.0084	N/A	N/A
14	0.0017	0.0049	N/A	N/A	0.0019	0.0073	N/A	N/A
15	0.0500	0.0049	N/A	N/A	0.0503	0.0073	N/A	N/A
16	0.0018	0.0043	N/A	N/A	0.0020	0.0064	N/A	N/A
17	0.0429	0.0043	N/A	N/A	0.0431	0.0064	N/A	N/A
18	0.0018	0.0038	N/A	N/A	0.0020	0.0058	N/A	N/A
19	0.0357	0.0038	N/A	N/A	0.0360	0.0058	N/A	N/A
20	0.0019	0.0035	N/A	N/A	0.0020	0.0052	N/A	N/A
21	0.0289	0.0035	N/A	N/A	0.0292	0.0052	N/A	N/A
22	0.0019	0.0032	N/A	N/A	0.0020	0.0048	N/A	N/A
23	0.0226	0.0032	N/A	N/A	0.0229	0.0048	N/A	N/A
24	0.0018	0.0029	N/A	N/A	0.0019	0.0044	N/A	N/A
25	0.0170	0.0029	N/A	N/A	0.0173	0.0044	N/A	N/A
26	0.0018	0.0027	N/A	N/A	0.0019	0.0041	N/A	N/A
27	0.0124	0.0027	N/A	N/A	0.0127	0.0041	N/A	N/A
28	0.0017	0.0025	N/A	N/A	0.0019	0.0038	N/A	N/A
29	0.0090	0.0025	N/A	N/A	0.0093	0.0038	N/A	N/A
30	0.0016	0.0024	N/A	N/A	0.0018	0.0035	N/A	N/A
31	0.0070	0.0024	N/A	N/A	0.0073	0.0035	N/A	N/A
32	0.0015	0.0022	N/A	N/A	0.0018	0.0033	N/A	N/A
33	0.0065	0.0022	N/A	N/A	0.0067	0.0033	N/A	N/A
34	0.0015	0.0021	N/A	N/A	0.0017	0.0031	N/A	N/A
35	0.0066	0.0021	N/A	N/A	0.0069	0.0031	N/A	N/A
36	0.0014	0.0020	N/A	N/A	0.0016	0.0030	N/A	N/A
37	0.0069	0.0020	N/A	N/A	0.0071	0.0030	N/A	N/A
38	0.0014	0.0019	N/A	N/A	0.0015	0.0028	N/A	N/A
39	0.0069	0.0019	N/A	N/A	0.0071	0.0028	N/A	N/A
40	0.0011	0.0019	N/A	N/A	0.0013	0.0028	N/A	N/A

Current Harmonics (150% of limits exceeded in window number 1)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Harm. Win.	Win. (150%)	% Of Max	Result (Max.)
2	0.0007	0.0642	N/A	N/A	0.0007	0.0963	N/A	N/A
3	0.0813	0.0642	N/A	N/A	0.0813	0.0963	N/A	N/A
4	0.0010	0.0359	N/A	N/A	0.0010	0.0538	N/A	N/A
5	0.0783	0.0359	N/A	N/A	0.0783	0.0538	N/A	N/A
6	0.0011	0.0189	N/A	N/A	0.0011	0.0283	N/A	N/A
7	0.0745	0.0189	N/A	N/A	0.0745	0.0283	N/A	N/A
8	0.0013	0.0094	N/A	N/A	0.0013	0.0142	N/A	N/A
9	0.0694	0.0094	N/A	N/A	0.0694	0.0142	N/A	N/A
10	0.0014	0.0066	N/A	N/A	0.0014	0.0099	N/A	N/A
11	0.0635	0.0066	N/A	N/A	0.0635	0.0099	N/A	N/A
12	0.0016	0.0056	N/A	N/A	0.0016	0.0084	N/A	N/A
13	0.0569	0.0056	N/A	N/A	0.0569	0.0084	N/A	N/A
14	0.0017	0.0048	N/A	N/A	0.0017	0.0073	N/A	N/A
15	0.0498	0.0048	N/A	N/A	0.0498	0.0073	N/A	N/A
16	0.0018	0.0043	N/A	N/A	0.0018	0.0064	N/A	N/A
17	0.0426	0.0043	N/A	N/A	0.0426	0.0064	N/A	N/A
18	0.0018	0.0038	N/A	N/A	0.0018	0.0057	N/A	N/A
19	0.0355	0.0038	N/A	N/A	0.0355	0.0057	N/A	N/A
20	0.0018	0.0035	N/A	N/A	0.0018	0.0052	N/A	N/A
21	0.0286	0.0035	N/A	N/A	0.0286	0.0052	N/A	N/A
22	0.0018	0.0032	N/A	N/A	0.0018	0.0047	N/A	N/A
23	0.0223	0.0032	N/A	N/A	0.0223	0.0047	N/A	N/A
24	0.0017	0.0029	N/A	N/A	0.0017	0.0044	N/A	N/A
25	0.0167	0.0029	N/A	N/A	0.0167	0.0044	N/A	N/A
26	0.0017	0.0027	N/A	N/A	0.0017	0.0040	N/A	N/A
27	0.0121	0.0027	N/A	N/A	0.0121	0.0040	N/A	N/A
28	0.0016	0.0025	N/A	N/A	0.0016	0.0038	N/A	N/A
29	0.0087	0.0025	N/A	N/A	0.0087	0.0038	N/A	N/A
30	0.0016	0.0023	N/A	N/A	0.0016	0.0035	N/A	N/A
31	0.0068	0.0023	N/A	N/A	0.0068	0.0035	N/A	N/A
32	0.0015	0.0022	N/A	N/A	0.0015	0.0033	N/A	N/A
33	0.0063	0.0022	N/A	N/A	0.0063	0.0033	N/A	N/A
34	0.0015	0.0021	N/A	N/A	0.0015	0.0031	N/A	N/A
35	0.0065	0.0021	N/A	N/A	0.0065	0.0031	N/A	N/A
36	0.0014	0.0020	N/A	N/A	0.0014	0.0029	N/A	N/A
37	0.0068	0.0020	N/A	N/A	0.0068	0.0029	N/A	N/A
38	0.0014	0.0019	N/A	N/A	0.0014	0.0028	N/A	N/A
39	0.0068	0.0019	N/A	N/A	0.0068	0.0028	N/A	N/A
40	0.0011	0.0019	N/A	N/A	0.0011	0.0028	N/A	N/A

2-9kHz Current Harmonics (values at the end of test)

Freq. (Hz)	I-A-rms	I-Limit	% Of Limits	Result (Ave.)	Cal. Volt-rms	V-Limit 230V	Result (Ave.)
2100	0.0092	0.2759	3.3	PASS	0.0335	1.0000	PASS
2300	0.0068	0.2663	2.5	PASS	0.0256	1.0000	PASS
2500	0.0042	0.2571	1.5	PASS	0.0162	1.0000	PASS
2700	0.0030	0.2483	1.1	PASS	0.0120	1.0000	PASS
2900	0.0034	0.2399	1.2	PASS	0.0143	1.0000	PASS
3100	0.0038	0.2269	1.4	PASS	0.0165	0.9785	PASS
3300	0.0036	0.2099	1.3	PASS	0.0160	0.9362	PASS
3500	0.0029	0.1948	1.1	PASS	0.0134	0.8980	PASS
3700	0.0023	0.1812	0.8	PASS	0.0108	0.8633	PASS
3900	0.0021	0.1690	0.8	PASS	0.0102	0.8317	PASS
4100	0.0023	0.1580	0.8	PASS	0.0116	0.8028	PASS
4300	0.0023	0.1480	0.8	PASS	0.0119	0.7762	PASS
4500	0.0022	0.1389	0.8	PASS	0.0119	0.7516	PASS
4700	0.0022	0.1306	0.8	PASS	0.0122	0.7288	PASS
4900	0.0022	0.1230	0.8	PASS	0.0124	0.7076	PASS
5100	0.0020	0.1160	0.7	PASS	0.0118	0.6879	PASS
5300	0.0020	0.1096	0.7	PASS	0.0119	0.6694	PASS
5500	0.0019	0.1037	0.7	PASS	0.0118	0.6520	PASS
5700	0.0017	0.0982	0.6	PASS	0.0110	0.6358	PASS
5900	0.0017	0.0931	0.6	PASS	0.0110	0.6204	PASS
6100	0.0017	0.0884	0.6	PASS	0.0114	0.6060	PASS
6300	0.0016	0.0840	0.6	PASS	0.0115	0.5923	PASS
6500	0.0017	0.0799	0.6	PASS	0.0126	0.5793	PASS
6700	0.0018	0.0761	0.7	PASS	0.0136	0.5670	PASS
6900	0.0020	0.0725	0.7	PASS	0.0152	0.5553	PASS
7100	0.0020	0.0692	0.7	PASS	0.0161	0.5442	PASS
7300	0.0019	0.0661	0.7	PASS	0.0153	0.5336	PASS
7500	0.0017	0.0631	0.6	PASS	0.0139	0.5235	PASS
7700	0.0014	0.0604	0.5	PASS	0.0120	0.5138	PASS
7900	0.0014	0.0578	0.5	PASS	0.0126	0.5046	PASS
8100	0.0015	0.0554	0.5	PASS	0.0131	0.4957	PASS
8300	0.0017	0.0531	0.6	PASS	0.0154	0.4872	PASS
8500	0.0018	0.0509	0.6	PASS	0.0166	0.4791	PASS
8700	0.0017	0.0489	0.6	PASS	0.0165	0.4713	PASS
8900	0.0018	0.0469	0.6	PASS	0.0173	0.4638	PASS

Power Source Verification Data

Harm No.	Harm. Value	Harm. Limit	% Of Limits	% Of Vfund	Result
RMS	229.727	230.000	99.881	100.000	OK
2	0.081	0.459	17.650	0.035	OK
3	0.139	2.068	6.730	0.061	OK
4	0.031	0.459	6.799	0.014	OK
5	0.043	0.919	4.733	0.019	OK
6	0.026	0.459	5.734	0.011	OK
7	0.043	0.689	6.267	0.019	OK
8	0.015	0.459	3.231	0.006	OK
9	0.029	0.459	6.250	0.012	OK
10	0.017	0.459	3.805	0.008	OK
11	0.030	0.230	12.915	0.013	OK
12	0.025	0.230	11.038	0.011	OK
13	0.035	0.230	15.396	0.015	OK
14	0.032	0.230	13.800	0.014	OK
15	0.024	0.230	10.566	0.011	OK
16	0.020	0.230	8.807	0.009	OK
17	0.034	0.230	14.762	0.015	OK
18	0.016	0.230	6.843	0.007	OK
19	0.030	0.230	13.035	0.013	OK
20	0.019	0.230	8.185	0.008	OK
21	0.029	0.230	12.766	0.013	OK
22	0.020	0.230	8.828	0.009	OK
23	0.026	0.230	11.357	0.011	OK
24	0.015	0.230	6.561	0.007	OK
25	0.026	0.230	11.486	0.011	OK
26	0.014	0.230	6.059	0.006	OK
27	0.020	0.230	8.733	0.009	OK
28	0.016	0.230	6.793	0.007	OK
29	0.022	0.230	9.553	0.010	OK
30	0.015	0.230	6.500	0.006	OK
31	0.016	0.230	6.918	0.007	OK
32	0.016	0.230	6.898	0.007	OK
33	0.019	0.230	8.080	0.008	OK
34	0.013	0.230	5.496	0.005	OK
35	0.020	0.230	8.902	0.009	OK
36	0.018	0.230	7.843	0.008	OK
37	0.018	0.230	8.030	0.008	OK
38	0.021	0.230	9.023	0.009	OK
39	0.018	0.230	7.770	0.008	OK
40	0.019	0.230	8.379	0.008	OK

6. VOLTAGE FLUCTUATIONS & FLICKER TEST

6.1. Test Equipments

Same as Section 5.1.

6.2. Block Diagram of Test Setup

Same as Section 5.2.

6.3. Test 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

BS EN 61000-3-3: 2013

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

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

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

6.4. Limits of Voltage Fluctuation and Flick

Test Item	Limit	Note
P_{st}	1.0	P_{st} means Short-term flicker indicator
P_{lt}	0.65	P_{lt} means long-term flicker indicator
T_{max}	500ms	T_{max} means maximum time that $d(t)$ exceeds 3.3%
$d_{max}(\%)$	4%	d_{max} means maximum relative voltage change.
$d_c(\%)$	3.3%	d_c means relative steady-state voltage change.

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 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.

6.6. Test Results

PASS. (Test results are recorded in next page)

Test File: F-20251104_305
 EUT: Q27B36X
 Test Standard: Test per IEC 61000-3-3 Ed. 3.2 : 2021
 Test Class: Flicker Test, All Parameters (Ext Ref. Imped.) (1PH-FMR3)
 Test Result: **PASS**
 Test Date: 11/4/2025
 Start Time: 1:40:07 PM
 Stop Time: 1:50:28 PM
 Test Duration (min): 10

Source Qualification: Compliance with IEC 61000-3-3 Ed. 3.2 : 2021
 Temp (°C) : 23.1
 Hum. (% RH) : 53.0
 Customer: TPV
 Test By: Kennen
 Comments: Running BurnIn Test V9.0

Last Test Parameters:

Phase A

Vrms (Volts):	229.71	Frequency (Hz):	50.00
I _{rms} (Amps):	0.205	Power (W):	18.84
V-THD (%):	0.228	T-Max (ms):	0 (500)
dmax (%):	0.000 (4.00)	Hi dmax (%):	0.000 (4.00)
dc (%):	0.000 (3.30)	Hi dc (%):	0.000 (3.30)
Pst-001 :	0.039 (1.000)		
Plt :	0.017 (0.650)		

Pst Spectrum



Plt Spectrum



7. IMMUNITY PERFORMANCE CRITERIA DESCRIPTION

Performance Level

The test results shall be classified in terms of the loss of function or degradation of performance of the equipment under test, relative to a performance level by its manufacturer or the requestor of the test, or the agreed between the manufacturer and the purchaser of the product.

Definition related to the performance level:

1. Based on the used product standard
2. Based on the declaration of the manufacturer, requestor or purchaser

For EN 55035 & BS EN 55035

Performance criterion A:

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

Performance criterion B:

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.

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

If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion C:

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.

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

Performance criteria for audio output function

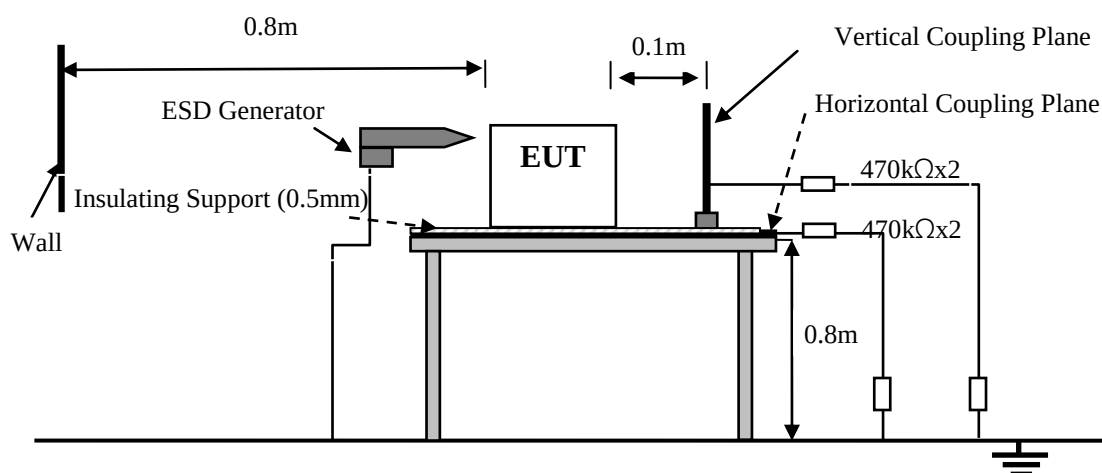
Performance criterion for all other devices	
Criteria A	The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.
Criteria B	Use the general performance criterion B.
Criteria C	Use the general performance criterion C

8. ELECTROSTATIC DISCHARGE IMMUNITY TEST

8.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	ESD Tester	EM Test	Dito	P1723199429	Sep.17,25	1 Year

8.2. Block Diagram of Test Setup



8.3. Test Standard

IEC 61000-4-2: 2008

(Severity for Air Discharge was Level 1 at ± 2 kV & Level 2 at ± 4 kV & Level 3 at ± 8 kV for Contact Discharge was Level 2 at ± 4 kV)

8.4. Severity Levels and Performance Criterion

Severity Level	Test Voltage Contact Discharge (kV)	Test Voltage Air Discharge (kV)	Performance criterion
1.	2	2	B
2.	4	4	
3.	6	8	
4.	8	15	
X	Special	Special	

8.5. Test Procedure

8.5.1. 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

8.5.2. Contact Discharge:

All the procedure was same as Section 8.5.1. except that the generator was re-triggered for a new single discharge and repeated 20 times for each pre-selected test point. The tip of the discharge electrode was touching the EUT before the discharge switch was operated.

8.5.3. Indirect discharge for horizontal coupling plane:

At least 10 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.

8.5.4. Indirect discharge for vertical coupling plane:

At least 10 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 Results

PASS. (Test results are recorded in next page)

Electrostatic Discharge Test Results

Audix Technology (Shenzhen) Co., Ltd.

EUT	LCD Monitor	Model No.	Q27B36X
Test Date	Nov.02, 2025	Temperature	21.4±0.6℃
Input Power	AC 230V/50Hz & AC 100V/50Hz	Humidity	53±3%RH
Test Mode	PC Mode	Pressure	100.6±1kPa
Tested By	Kennen	Result	Pass

Air Discharge Voltage Level kV / Discharge per polarity 10 / Observation

Test Location	+2	-2	+4	-4	+8	-8	---	---	Comments
DC In Port(1)	ND	ND	ND	ND	ND	ND	---	---	---
HDMI Port (2)	A	A	B*	B*	B*	B*	---	---	---
DP Port (3)	A	A	B*	B*	B*	B*	---	---	---
Audio Port (4)	ND	ND	ND	ND	B*	B*	---	---	---
Slot (5)	ND	ND	ND	ND	ND	ND	---	---	---
Screen (6)	ND	ND	ND	ND	B*	B*	---	---	---
LED (7)	ND	ND	ND	ND	ND	ND	---	---	---
Buttons (8)	ND	ND	ND	ND	ND	ND	---	---	---
Keylock (9)	ND	ND	ND	ND	ND	ND	---	---	---

Contact Discharge Voltage Level kV / Discharge per polarity 10 / Observation

Test Location	+4	-4	---	---	---	---	---	---	Comments
METAL (10)	B*	B*	---	---	---	---	---	---	---

Indirect Contact Voltage Level kV / Discharge per polarity 10 / Observation

Test Location	+4	-4	---	---	---	---	---	---	Comments
VCP Front	A	A	---	---	---	---	---	---	---
VCP Right	A	A	---	---	---	---	---	---	---
VCP Left	A	A	---	---	---	---	---	---	---
VCP Back	A	A	---	---	---	---	---	---	---
HCP Bottom	A	A	---	---	---	---	---	---	---

Additional Notes

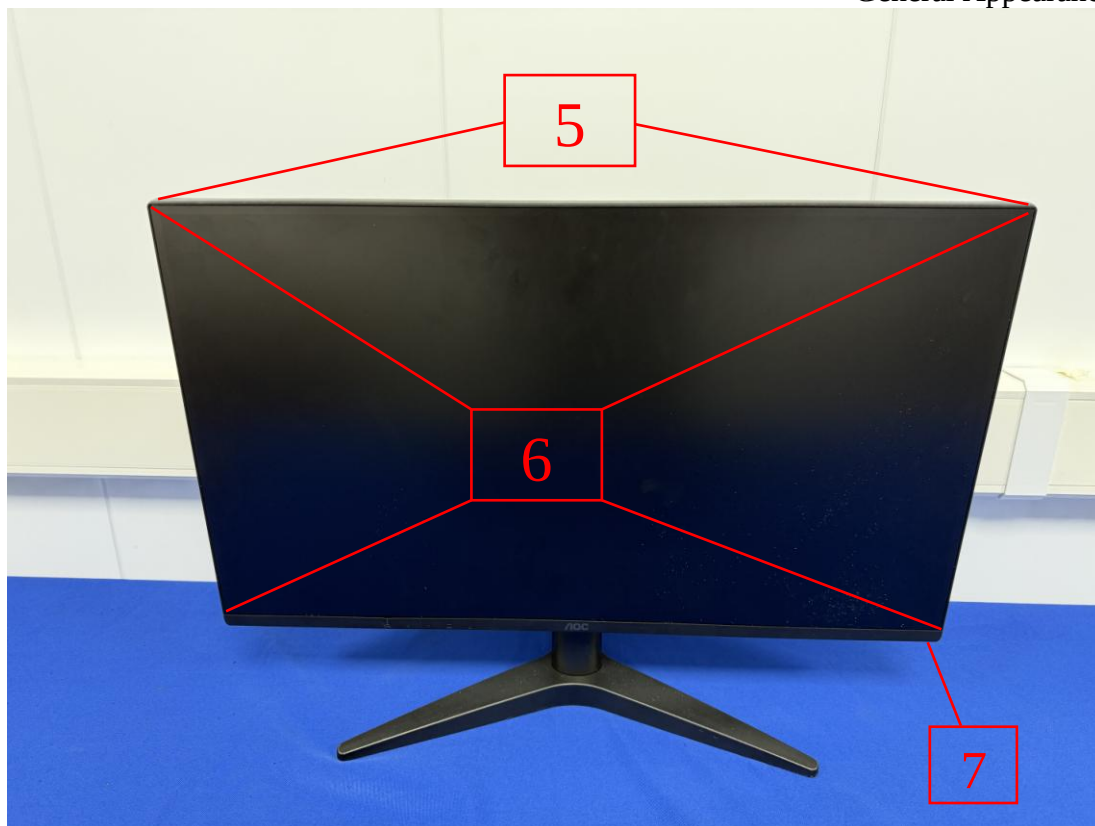
Measurement Points Please refer to the Photos of ESD Test Points

ND=No Discharge; Meets criteria but unable to obtain an electrostatic discharge (ESD) at this test point.
Note: Criterion B:During the test, the screen was flickered, but it was self-recovering immediately after the test was finished.

After discharge to the ungrounded part of EUT, it needs the bleeder resistor to remove the charge prior to next ESD pulse.
Discharge was considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).

8.7.ESD TEST POINT PHOTOS

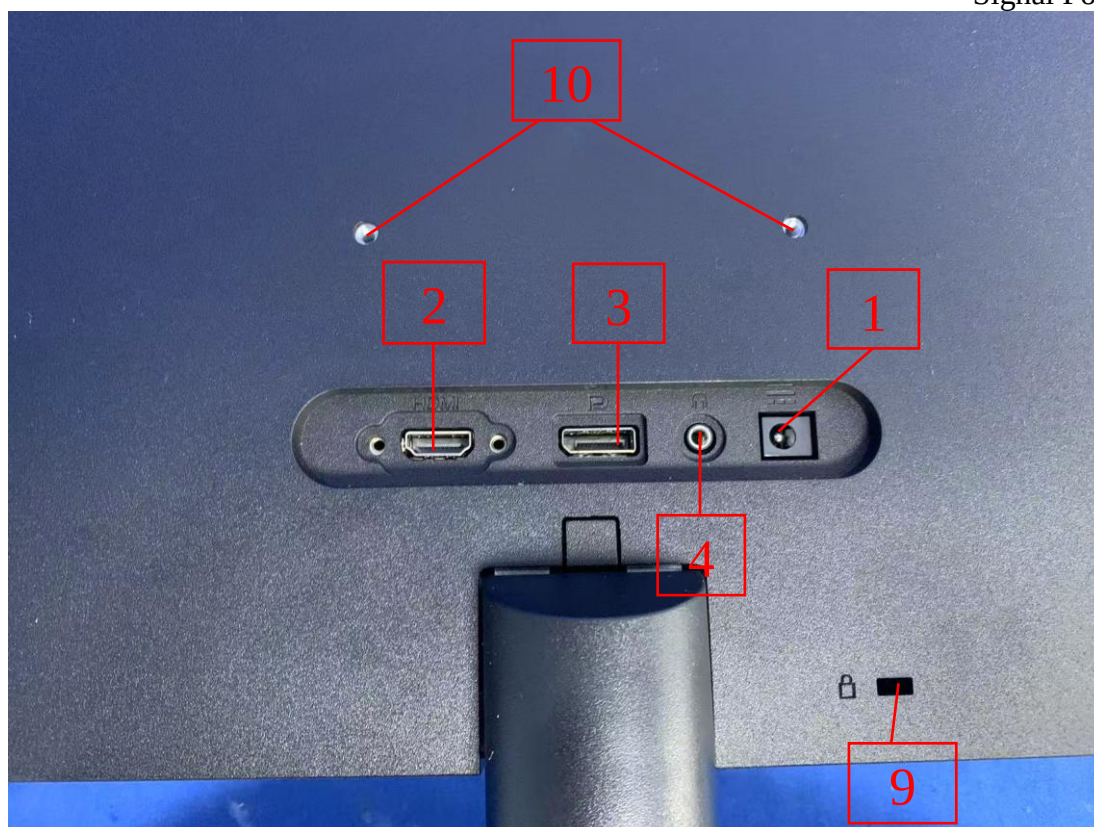
ESD Figure 1
General Appearance of the EUT



ESD Figure 1
General Appearance of the EUT



ESD Figure 3
Signal Port of the EUT



9. RF FIELD STRENGTH SUSCEPTIBILITY TEST

9.1. Test Equipments

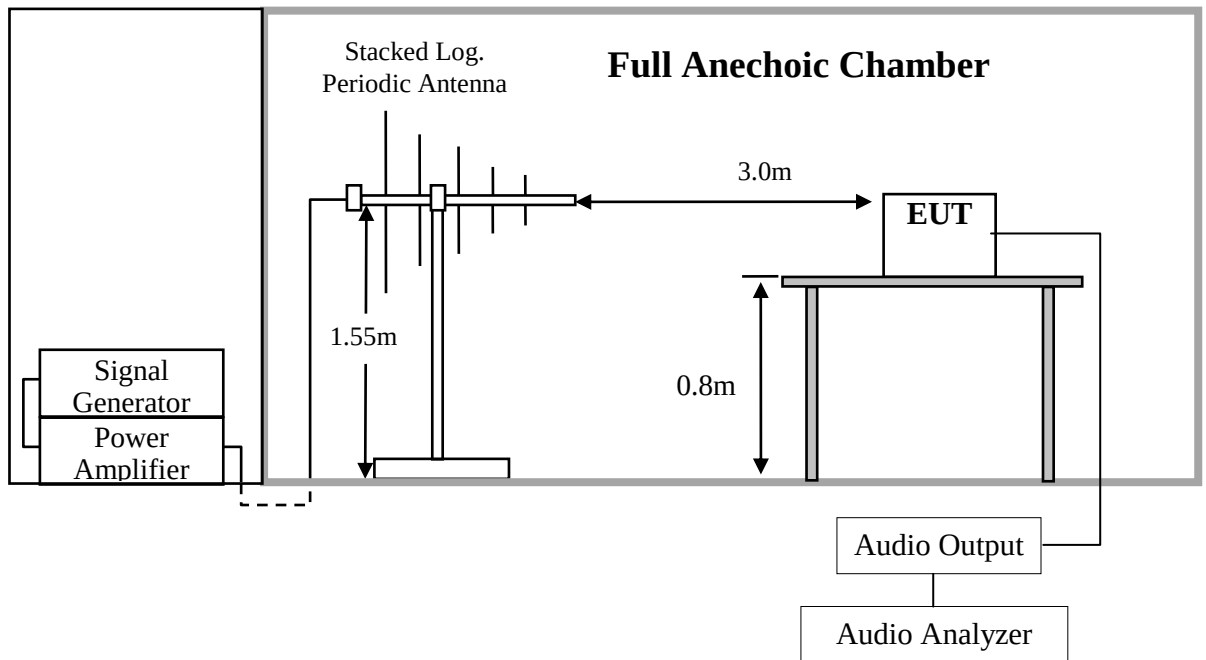
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	RS Chamber(FU)	AUDIX	N/A	N/A	Dec.28,24	3 Year
2.	RS Chamber(SE)	AUDIX	N/A	N/A	Sep.17,25	3 Year
3.	MXG Analog Signal Generator	Agilent	N5181A	MY49061013	Sep.15,25	1Year
4.	Amplifier	Rflight	NTWPA-00810 200E	19053131	Mar.10,25	1Year
5.	Amplifier	Rflight	NTWPA-10601 00E	19053151	Mar.10,25	1Year
6.	Stacked Log. Periodic Antenna	SCHWARZBECK	STLP 9129	281	NCR	NCR
7.	RF Cable	STORM	MFR-57500	NO.2	NCR	NCR
8.	RF Cable	EMCI	EMCCFD400- NM-NM-5000	190410	NCR	NCR
9.	Test Software	AUDIX	i2	3.2010-1-7	N/A	N/A
10.	Audio Analyzer	Rohde & Schwarz	UPL	NO.1	Aug.07,25	1Year

Notes: NCR means no calibration required(calibrated with system).

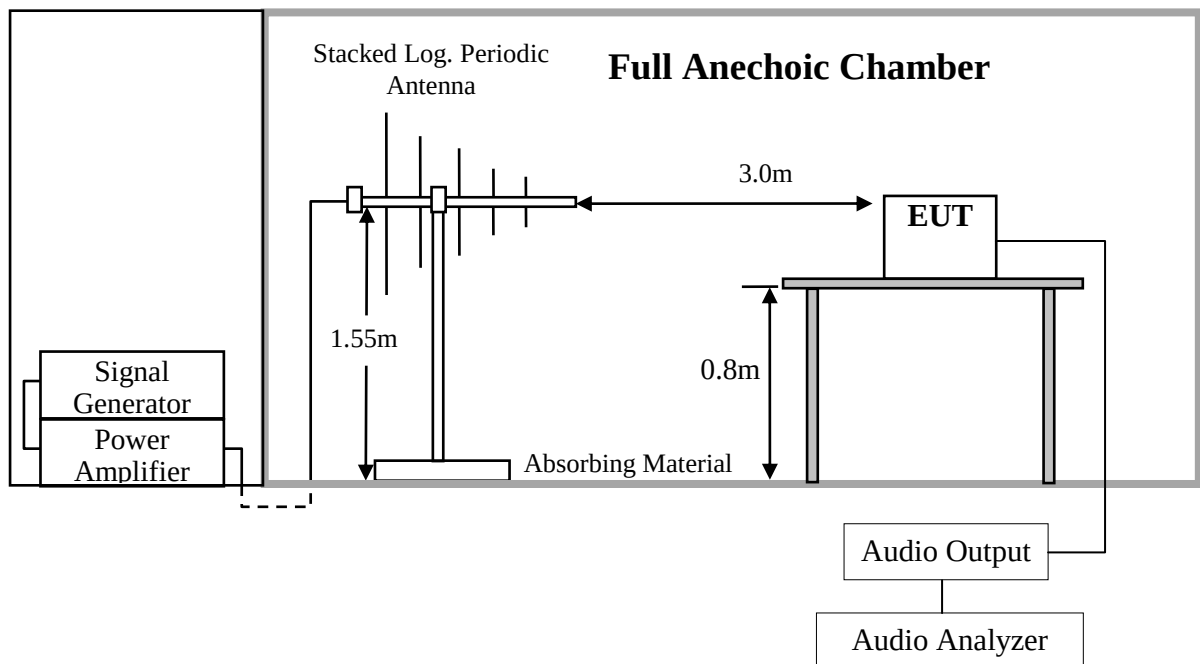
Notes: N/A means Not applicable.

9.2. Block Diagram of Test Setup

9.2.1. For frequency range: 80MHz-1000MHz



9.2.2. For frequency range above 1GHz



9.3.Test Standard

IEC 61000-4-3: 2020

(Severity Level: 2 at 3V / m)

9.4.Severity Levels and Performance Criterion

Severity Level	Test Field Strength V/m	Performance Criteria
1.	1	A
2.	3	
3.	10	
X.	Special	

9.5.Test Procedure

Testing was performed in a fully anechoic chamber as recommended by IEC 61000-4-3. The EUT was placed on an 80cm high non-conductive table located in the area of field uniformity. The radiating antenna was placed 3m in front of the EUT and Support system, and dwell time of the radiated interference was controlled by an automated, computer-controlled system. The signal source was stepped through the applicable frequency range at a rate no faster than 1% of the fundamental. The signal was amplitude modulated 80% over the frequency range 80MHz-1GHz; 1.8GHz; 2.6GHz; 3.5GHz; 5GHz at a level of 3V/m. The dwell time was set at 3.0s. Field presence was monitored during testing via a field probe placed in close proximity to the EUT. Throughout testing, the EUT was closely monitored for signs of susceptibility. The test was performed with the antennae oriented in both a horizontal and vertical polarization.

All the scanning conditions are as follows:

Test conditions	
Frequency	80MHz-1GHz; 1.8GHz; 2.6GHz; 3.5GHz; 5GHz
Frequency increments step	1 % of the preceding frequency
Test level	3V/m (un-modulated)
Dwell time	3s
Test signal	80% amplitude modulated by 1kHz sinusoidal audio signal

9.6.Test Results

PASS. (Test results are recorded in next page)

RF Field Strength Susceptibility Test Results

Audix Technology(Shenzhen) Co.,Ltd.

EUT	LCD Monitor	Model No.	Q27B36X
Test Date	Nov.05, 2025	Temperature	22.1±0.6℃
Input Power	AC 230V/50Hz; AC 100V/50Hz	Humidity	55±3%RH
Test Mode	PC Mode	Pressure	100.6±1kPa
Tested By	Hogen	Result	Pass

Test Field Strength: 3V/m

Modulation: ☒ AM 1kHz 80% ☐ Pulse ☐ none

Frequency Range : 80MHz-1000MHz; 1.8GHz; 2.6GHz; 3.5GHz; 5GHz

	Horizontal		Vertical		Result
	Required	Observation	Required	Observation	(Pass / Fail)
Front	A	A	A	A	Pass
Right	A	A	A	A	Pass
Rear	A	A	A	A	Pass
Left	A	A	A	A	Pass

Audio output function test

Port	Polarization	Demodulated Audio Level (dBV)	Electrical Reference Level(dBV)	Electrical interference ratio(dB)	Limit(dB)
AUDIO OUT	V	-70.2 ^{Note}	-11.5	-58.7 ^{Note}	-20
AUDIO OUT	H	-71.4 ^{Note}	-11.5	-59.9 ^{Note}	-20

Note means worst frequency between 80-5000MHz.

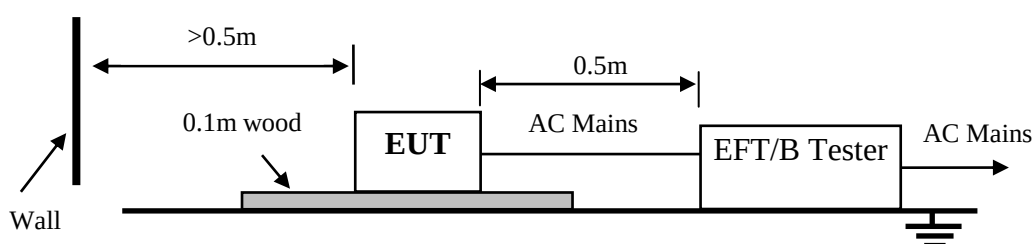
10.ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST

10.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Burst Tester	TESEQ	NSG3025	28017	Mar.10,25	1 Year
2.	Test Software	Schaffner	Win3025	V 4.00	N/A	N/A

Note: N/A means Not applicable.

10.2.Block Diagram of Test Setup



10.3.Test Standard

IEC 61000-4-4: 2012

(Severity Level: Level 1 at 0.5kV, Level 2 at 1kV)

10.4.Severity Levels and Performance Criterion

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

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 $0.1\text{m} \pm 0.01\text{m}$ thick. The ground reference plane was $1\text{m} \times 1\text{m}$ 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.

10.5.1. For 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 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 1min.

10.5.2. For signal lines and control lines ports:

It's unnecessary to test.

10.5.3. For DC input and DC output power ports:

It's unnecessary to test.

10.6. Test Results

PASS. (Test results are recorded in next page)

Electrical Fast Transient/Burst Test Results

Audix Technology (Shenzhen) Co., Ltd.

EUT	LCD Monitor	Model No.	Q27B36X
Test Date	Nov.03, 2025	Temperature	23.1±0.6℃
Input Power	AC 230V/50Hz; AC 100V/50Hz	Humidity	53±3%RH
Test Mode	PC Mode	Pressure	100.6±1kPa
Tested By	Hogen	Result	Pass

Repetition Frequency : 5 kHz Burst Duration : 15ms Burst Period: 300ms

Inject Time(s): 120s

Inject Line(Inject Method): ☒ AC Mains (Direct) ☐ DC Supply (Direct) ☐ Signal(Capacitive Clamp)

Line	Test Voltage	Performance			Result
		Required	Observation(+)	Observation(-)	(Pass/Fail)
L	0.5kV	B	A	A	Pass
	1kV	B	B*	B*	Pass
N	0.5kV	B	A	A	Pass
	1kV	B	B*	B*	Pass
L N	0.5kV	B	A	A	Pass
	1kV	B	B*	B*	Pass

Remark: Criterion B:During the test, the screen was flickered, but it was self-recovering immediately after the test was finished.

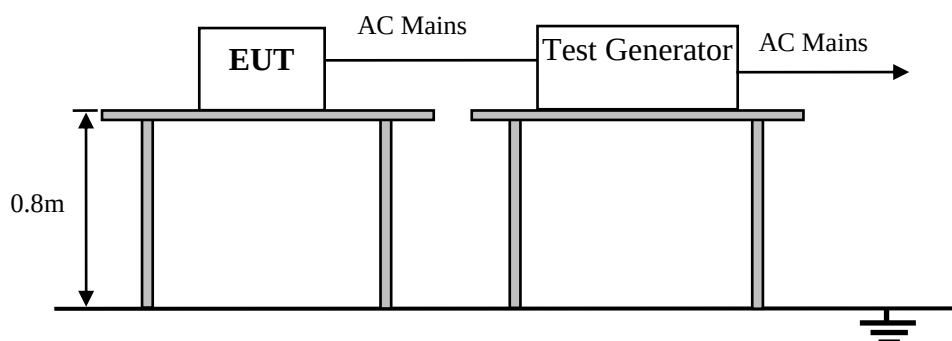
11.SURGE TEST

11.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Transient Test System	EMC PARTNER	TRANSIENT 2000	TRA2006 F-S-T-D-R -1500	Jul.09,25	1 Year
2.	Test Software	EMC PARTNER	Genecs	V3.25	N/A	N/A

Note: N/A means Not applicable.

11.2.Block Diagram of Test Setup



11.3.Test Standard

IEC 61000-4-5: 2014+A1: 2017

(Severity Level: Line to Line was Level 2 at 1kV,

Line to Ground Level 2 at 1kV& Level 3 at 2kV)

11.4. Severity Levels and Performance Criterion

Severity Level	Open-Circuit Test Voltage kV	Performance criterion
1	0.5	B & C
2	1.0	
3	2.0	
4	4.0	
*	Special	

11.5. Test Procedure

- 1) Set up the EUT and test generator as shown on Section 11.2.
- 2) For line to line coupling mode, provide a 1kV 1.2/50 μ s voltage surge (at open-circuit condition) and 8/20 μ s current surge to EUT selected points, and for active line / neutral line to ground are same except test level is 2kV.
- 3) Signal mode: 10/700 μ s & 1.2/50 μ s combination wave generators are specified. Each has its own particular applications, depending on the type of port to be tested. The 10/700 μ s combination wave generator is used to test ports intended for directly connection to outdoor symmetrical communication lines. The 1.2/50 μ s combination wave generator is used in all other cases
- 4) At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are conducted during test.
- 5) Different phase angles are done individually.
Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

11.6. Test Results

PASS. (Test results are recorded in next page)

Surge Immunity Test Results

Audix Technology (Shenzhen) Co., Ltd.

EUT	LCD Monitor	Model No.	Q27B36X
Test Date	Nov.06, 2025	Temperature	21.7±0.6°C
Input Power	AC 230V/50Hz; AC 100V/50Hz	Humidity	55±3 %RH
Test Mode	PC Mode	Pressure	100.6±1kPa
Tested By	Kennen	Result	Pass

Repetition: 5 times per test Interval:60 Seconds

Line : ☒ AC Mains(1.2/50μs) ☐ DC Supply(1.2/50μs) ☐ Signal(10/700μs)

Location	Volt	500V			1kV			2kV			Result
	Phase	Performance			Performance			Performance			(Pass/Fail)
		Required	+	-	Required	+	-	Required	+	-	
L-N	0°	B	A	A	B	A	A	---	---	---	Pass
	90°	B	A	A	B	A	A	---	---	---	Pass
	180°	B	A	A	B	A	A	---	---	---	Pass
	270°	B	A	A	B	A	A	---	---	---	Pass

Note : Criterion B:During the test, the screen was flickered, but it was self-recovering immediately after the test was finished.

12.CONTINUOUS CONDUCTED DISTURBANCE TEST

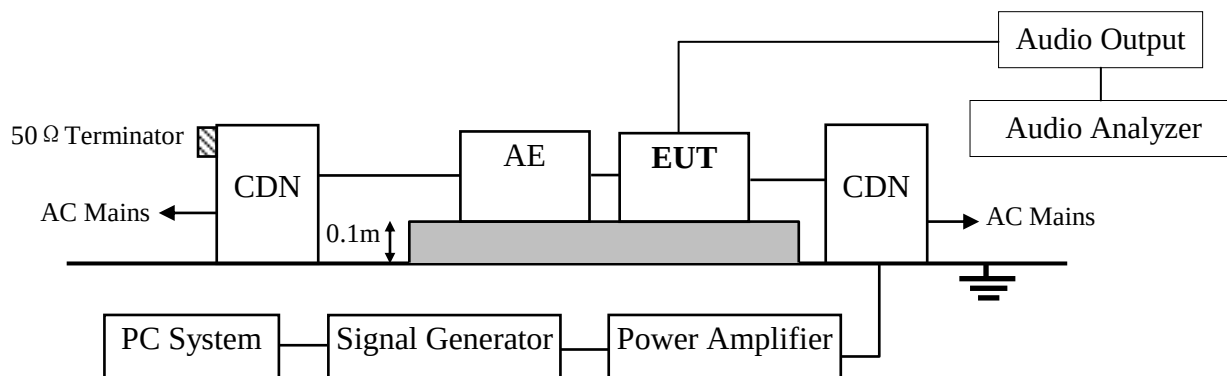
12.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	MXG Analog Signal Generator	Agilent	N5181A	MY49061013	Sep.15,25	1 Year
2.	Amplifier	Rflight	NTWPA-4K04100	20073132	Mar.10,25	1 Year
3.	CDN	TESEQ	CDN M016	34608	Mar.10,25	1 Year
4.	CDN	FCC	FCC-801-M3-25A	07045	Mar.10,25	1 Year
5.	Attenuator	Weinschel	40-6-34	LJ092	Mar.10,25	1 Year
6.	RF Cable	MICABLE	A04-07-07-7M	09111341	NCR	NCR
7.	RF Cable	STORM	MFR-57500	NO.2	NCR	NCR
8.	RF Cable	STORM	MFR-57500	NO.3	NCR	NCR
9.	Test Software	AUDIX	i2	3.2010-1-7	N/A	N/A
10.	EM Injection Clamp	FCC	F-203I-23MM	403	Mar.10,25	1 Year
11.	Audio Analyzer	Rohde & Schwarz	UPL	NO.1	Aug.07,25	1Year

Notes: NCR means no calibration required (calibrated with system).

Notes: N/A means Not applicable.

12.2.Block Diagram of Test Setup



12.3.Test Standard

IEC 61000-4-6: 2023

12.4. Severity Levels and Performance Criterion

Severity Level	Voltage Level (e.m.f.) V	Performance criterion
1	1	A
2	3	
3	10	
X	Special	

12.5. Test Procedure

- 1) Set up the EUT, CDN and test generators as shown on Section 12.2.
- 2) Let the EUT work in test mode and test it.
- 3) 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).
- 4) The disturbance signal described below is injected to EUT through CDN.
- 5) The EUT operates within its operational mode(s) under intended climatic conditions after power on.
- 6) The frequency range is swept from 0.150MHz to 10MHz using 3V signal level, from 10MHz to 30MHz using 3V to 1V signal level, from 30MHz to 80MHz using 1V signal level and with the disturbance signal 80% amplitude modulated with a 1kHz sine wave.
- 7) The rate of sweep shall not exceed 1.5×10^{-3} decades/s. Where the frequency is swept incrementally, the step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.
- 8) Recording the EUT operating situation during compliance testing and decide the EUT immunity criterion.

12.6. Test Results

PASS. (Test results are recorded in next page)

Continuous Conducted disturbance Test Results

Audix Technology (Shenzhen)Co.,Ltd.

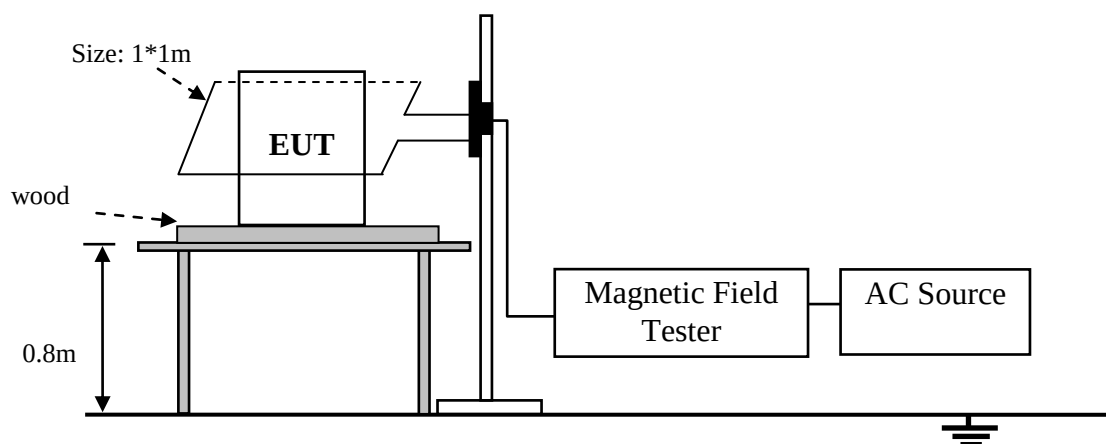
EUT	LCD Monitor		Model No.	Q27B36X	
Test Date	Nov.02, 2025		Temperature	21.7±0.6℃	
Input Power	AC 230V/50Hz; AC 100V/50Hz		Humidity	55±3%RH	
Test Mode	PC Mode		Pressure	100.6±1kPa	
Tested By	Hogen		Result	Pass	
Frequency Range (MHz)	Injected	Voltage Level (e.m.f.)	Required	Observation	Result
					(Pass / Fail)
0.15 ~ 10	AC Mains	3V	A	A	PASS
10 ~ 30	AC Mains	3V~1V	A	A	PASS
30 ~ 80	AC Mains	1V	A	A	PASS
Audio output function test					
Port	Injected	Demodulated Audio Level	Electrical Reference	Electrical interference	Limit (dB)
Audio Out	AC Mains	-58.4 ^{Note}	-10.1	-48.3 ^{Note}	-20
Modulation Signal:1kHz 80% AM					
Dwell time: 3s					
Note means worst frequency between 0.15-80 MHz.					

13.MAGNETIC FIELD IMMUNITY TEST

13.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Magnetic Field Tester	HAEFELY	Mag100.1	083858-10	Mar.10,25	1 Year

13.2.Block Diagram of Test Setup



13.3.Test Standard

IEC 61000-4-8: 2009

(Severity Level 1 at 1A/m)

13.4.Severity Levels and Performance Criterion

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

13.5.Test Procedure

The EUT was subjected to the test magnetic field by using the induction coil of standard dimensions (1m*1m) and shown in Section 13.2. The induction coil was then rotated by 90° in order to expose the EUT to the test field with different orientations.

13.6.Test Results

PASS. (Test results are recorded in next page)

Magnetic Field Immunity Test Results

Audix Technology (Shenzhen) Co., Ltd.

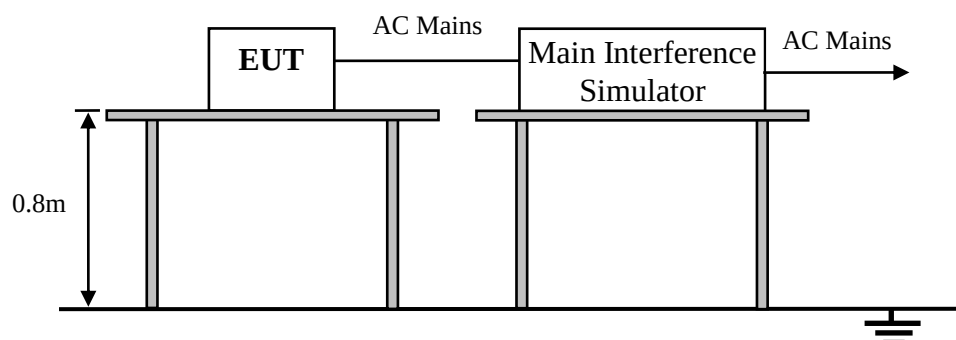
EUT	LCD Monitor		Model No.	Q27B36X	
Test Date	Nov.07, 2025		Temperature	22.1±0.6℃	
Input Power	AC 230V/50Hz; AC 100V/50Hz		Humidity	54±3%RH	
Test Mode	PC Mode		Pressure	100.6±1kPa	
Tested By	Hogen		Result	Pass	
Test Level	Testing Duration	Coil Orientation	Required	Observation	Result (Pass/Fail)
1A/m	5 min / coil	X-axis	A	A	PASS
1A/m	5 min / coil	Y-axis	A	A	PASS
1A/m	5 min / coil	Z-axis	A	A	PASS

14.VOLTAGE DIPS AND INTERRUPTIONS TEST

14.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Line Disturbances Tester	HAEFELY	PLINE 1610	083690-05	Mar.10,25	1 Year

14.2.Block Diagram of Test Setup



14.3.Test Standard

IEC 61000-4-11: 2020

14.4.Severity Levels and Performance Criterion

Test Level %UT	Voltage dip and short interruptions %UT	Duration (in period)	Performance Criterion
0	100	250/300 ^{Note}	C
0	100	0.5	B
70	30	25/30 ^{Note}	C

Note: “25/30 Cycles” means “25 cycles for 50Hz test” and “30 cycles for 60Hz test”.
“250/300 Cycles” means “250 cycles for 50Hz test” and “300 cycles for 60Hz test”

14.5.Test Procedure

- 1) The EUT and test generator were setup as shown on Section 14.2.
- 2) The interruption is introduced at selected phase angles with specified duration.
- 3) Record any degradation of performance.

14.6.Test Results

PASS. (Test results are recorded in next page)

Voltage Dips And Interruptions Test Results

Audix Technology (Shenzhen) Co., Ltd.

EUT	LCD Monitor	Model No.	Q27B36X
Test Date	Oct.30, 2025	Temperature	22.1±0.6℃
Input Power	AC 240V/50Hz; AC 100V/50Hz	Humidity	54±3%RH
Test Mode	PC Mode	Pressure	100.6±1kPa
Tested By	Hogen	Result	Pass

Power Supply: AC 240V/50Hz

Test Level % U _T	Voltage Dips & Short Interruptions % U _T	Duration (in period)	Phase Angle	Required	Observation	Result
						(Pass / Fail)
0	100	0.5P	0°,90°,180°,270°	B	A	PASS
70	30	25P	0°,90°,180°,270°	C	A	PASS
0	100	250P	0°,90°,180°,270°	C	B*	PASS

Power Supply: AC 100V/50Hz

Test Level % U _T	Voltage Dips & Short Interruptions % U _T	Duration (in period)	Phase Angle	Required	Observation	Result
						(Pass / Fail)
0	100	0.5P	0°,90°,180°,270°	B	A	PASS
70	30	25P	0°,90°,180°,270°	C	A	PASS
0	100	250P	0°,90°,180°,270°	C	B*	PASS

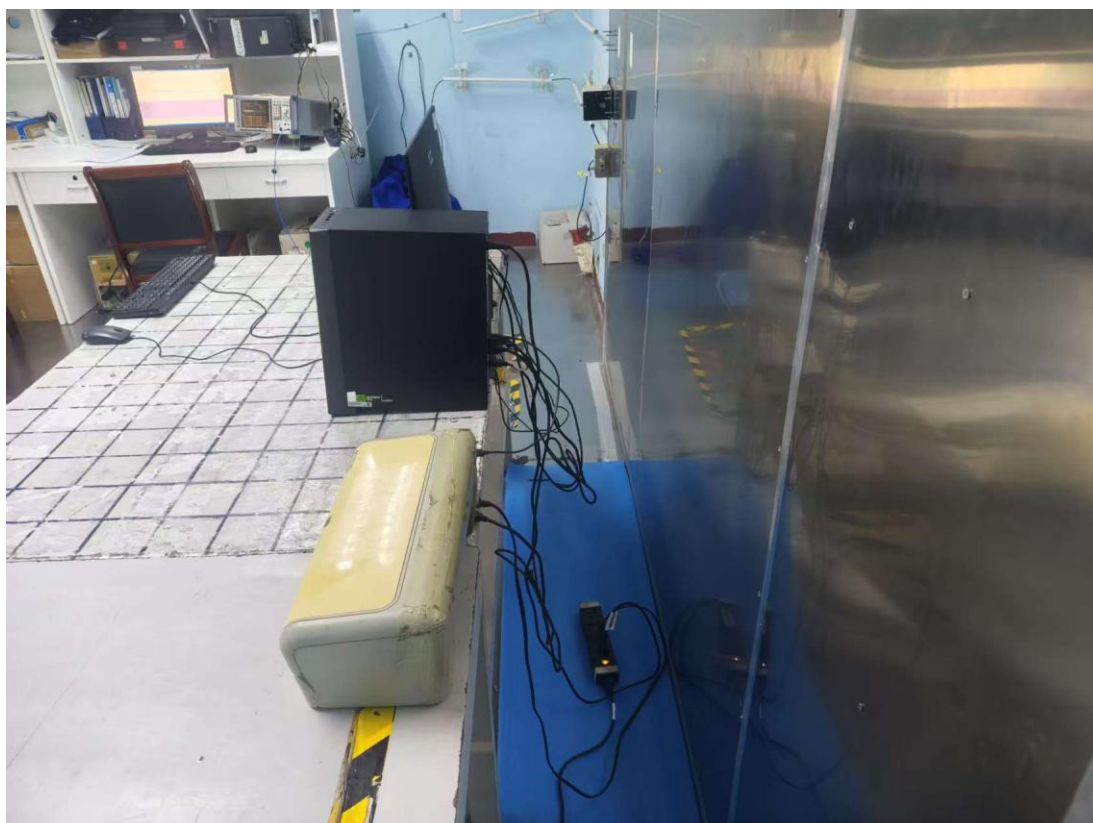
Note 1: U_T is the rated voltage for the equipment.

Note 2: The frequency of the test voltage shall be within ±2% of the rated frequency, the output voltage shall be within ±5% of the rated voltage.

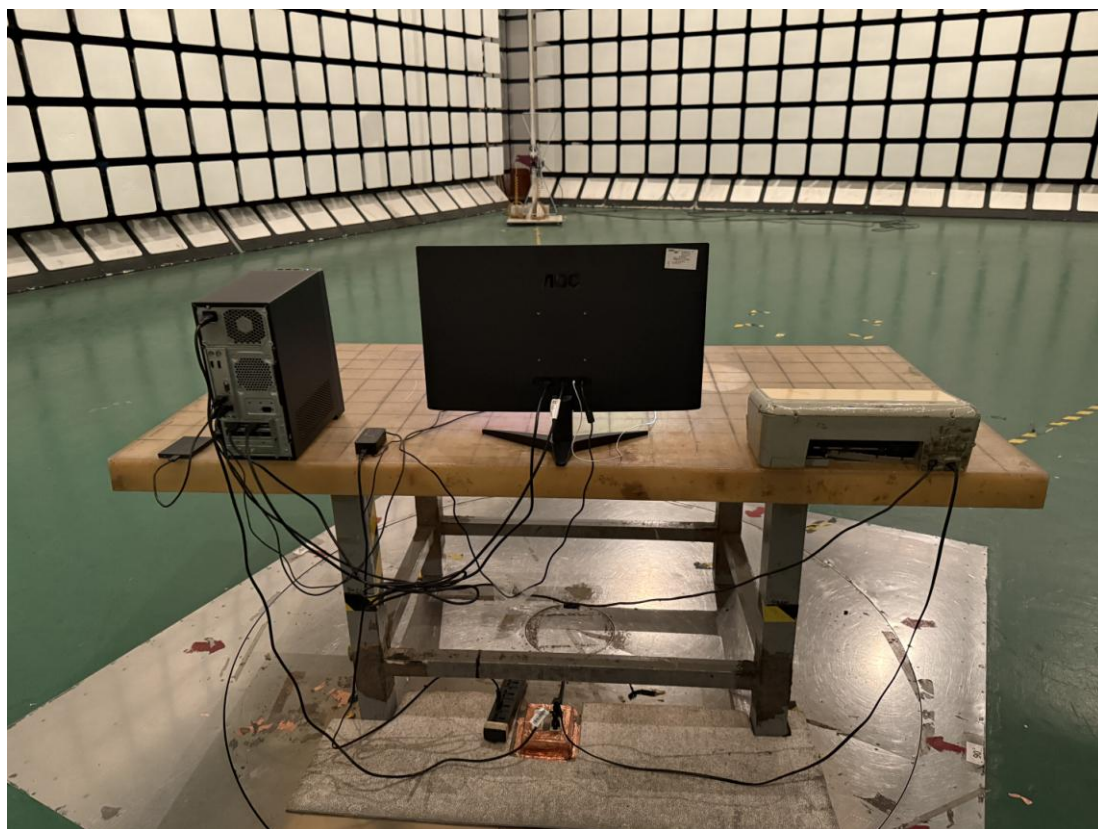
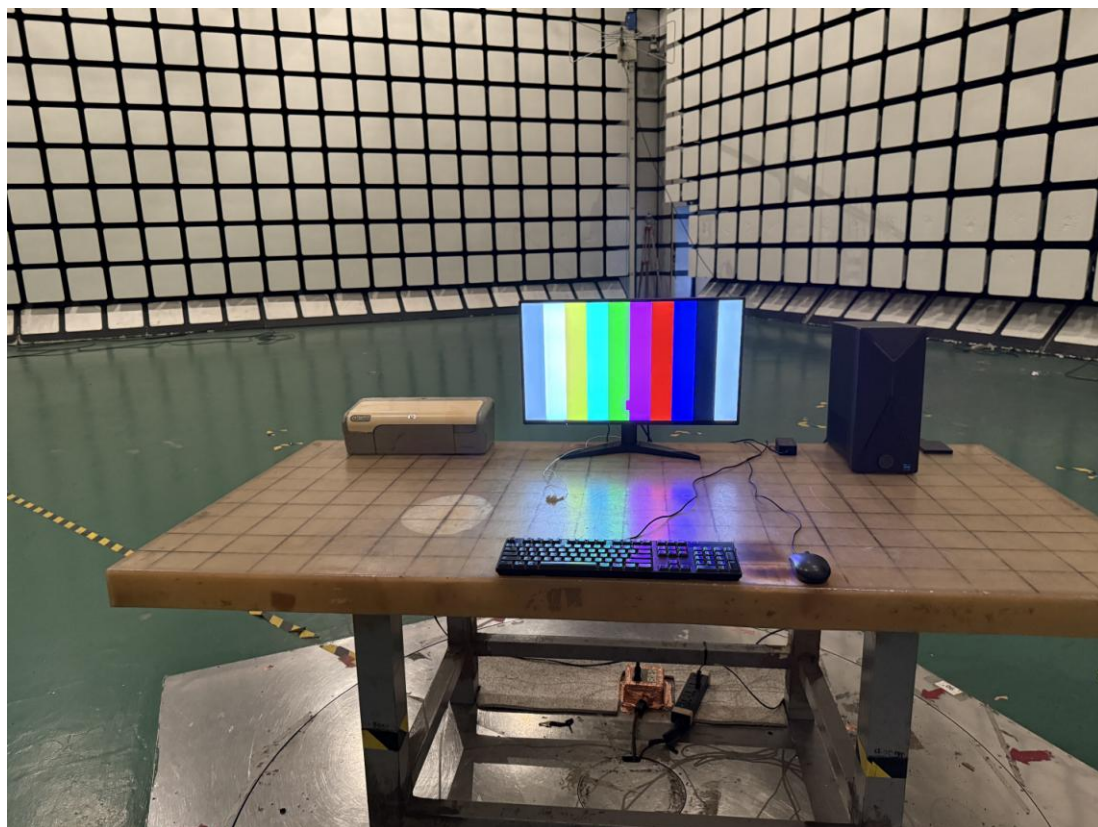
Note: Criterion B: During the test, the screen was flickered, but it was self-recovering immediately after the test was finished.

15. PHOTOGRAPH

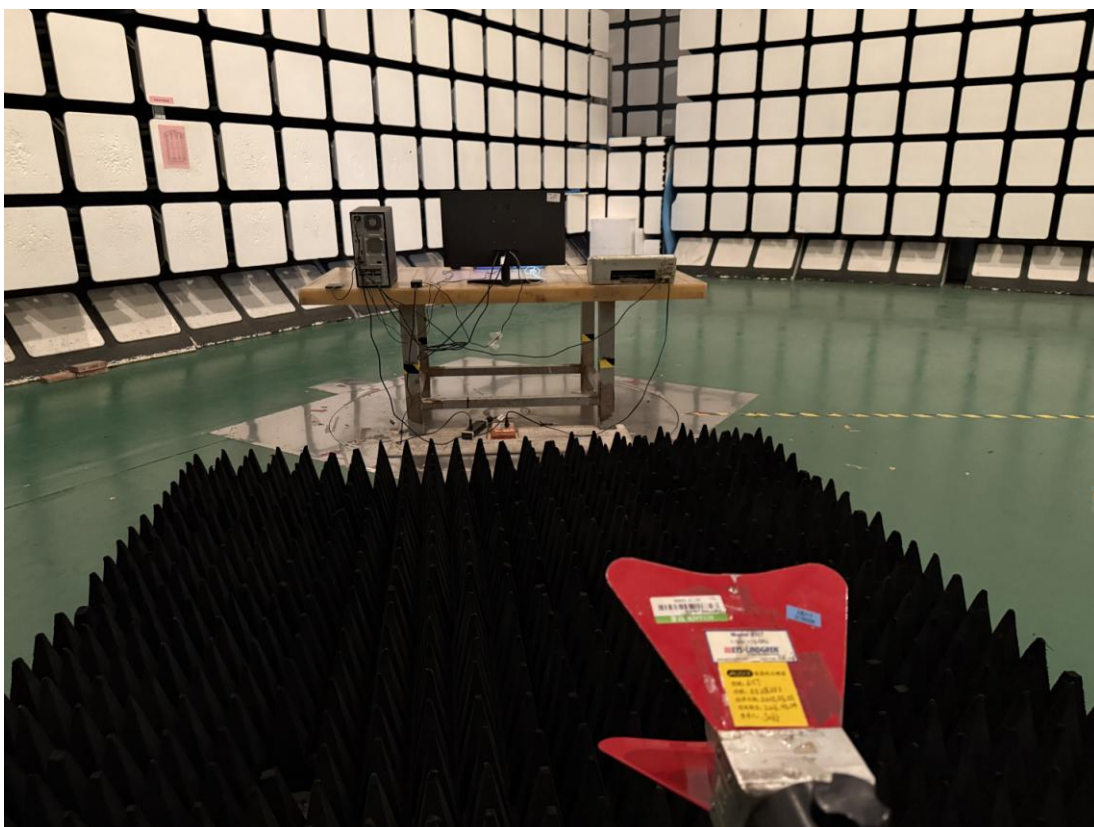
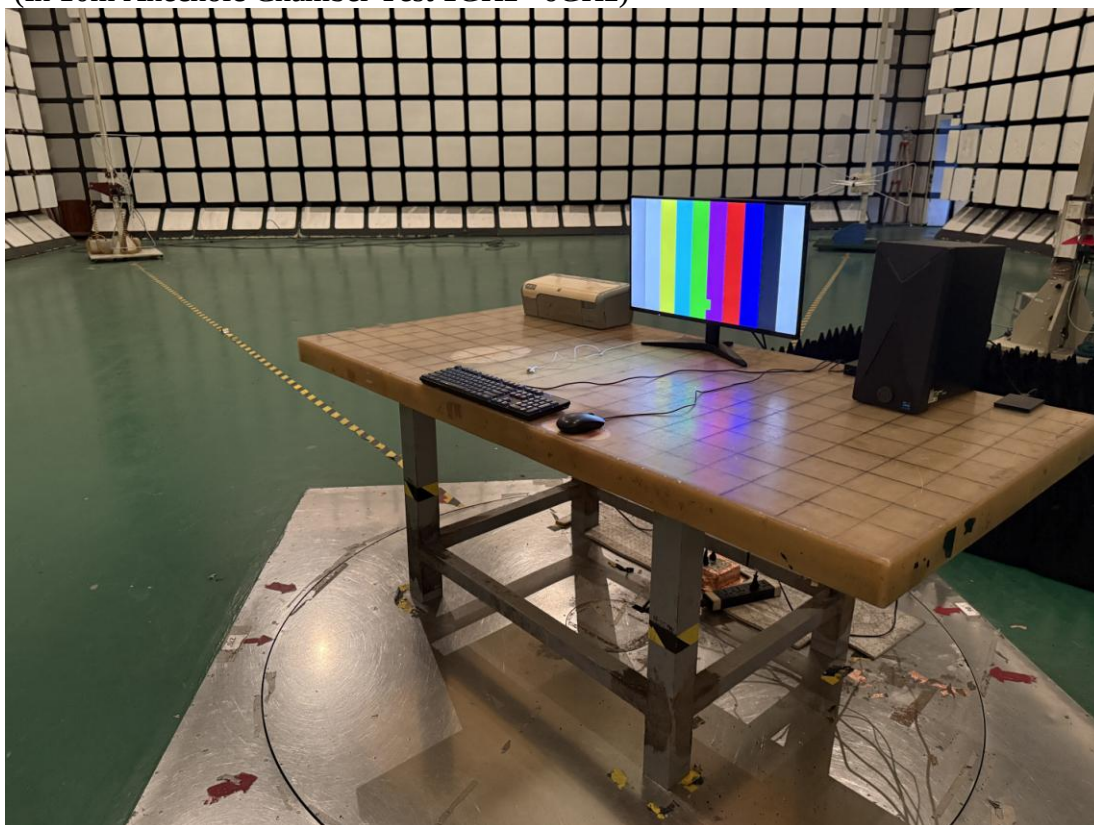
15.1.Photos of Power Line Conducted Emission Test



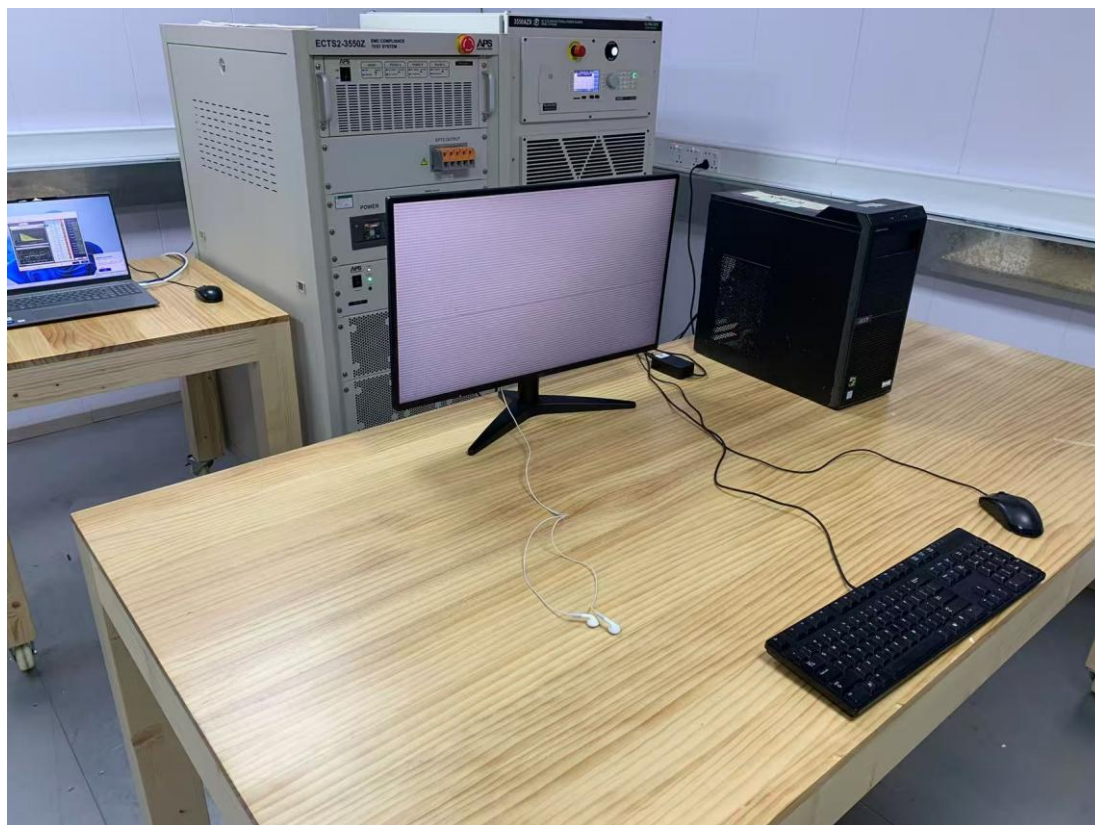
15.2.Photos of Radiated Emission Test (In 10m Anechoic Chamber)



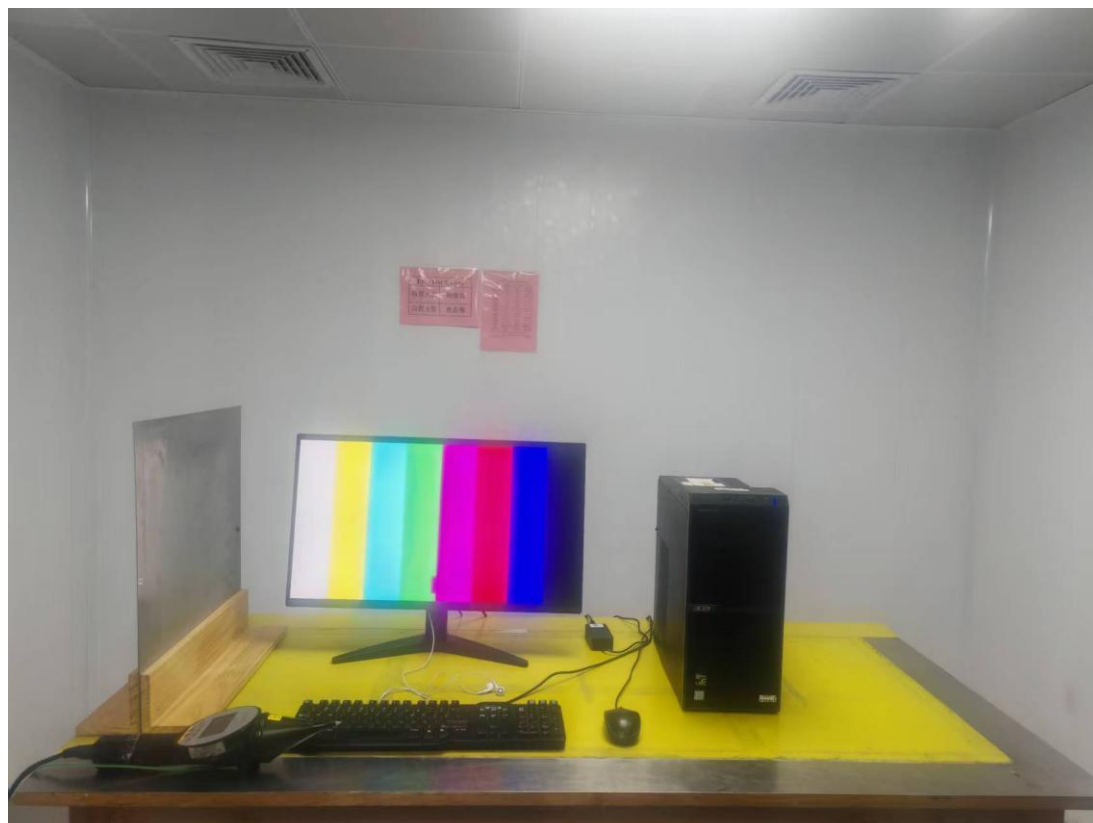
(In 10m Anechoic Chamber Test 1GHz –6GHz)

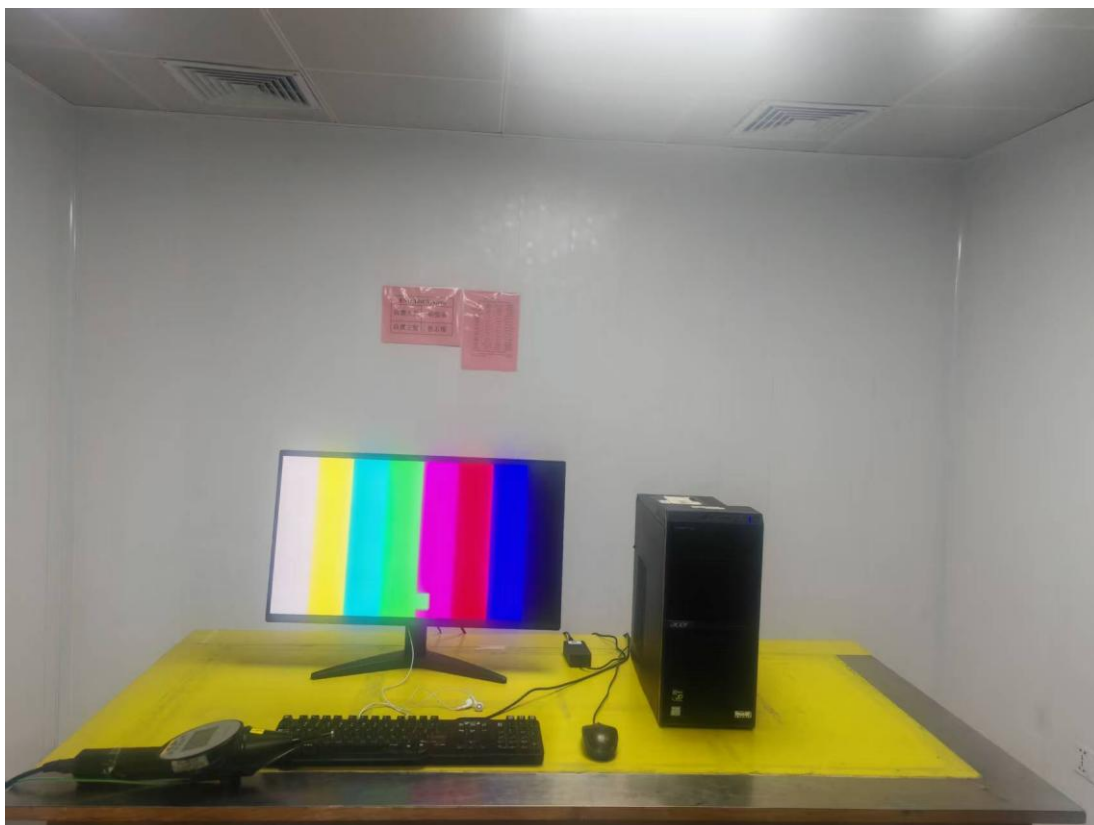


15.3.Photo of Harmonic & Flicker Test

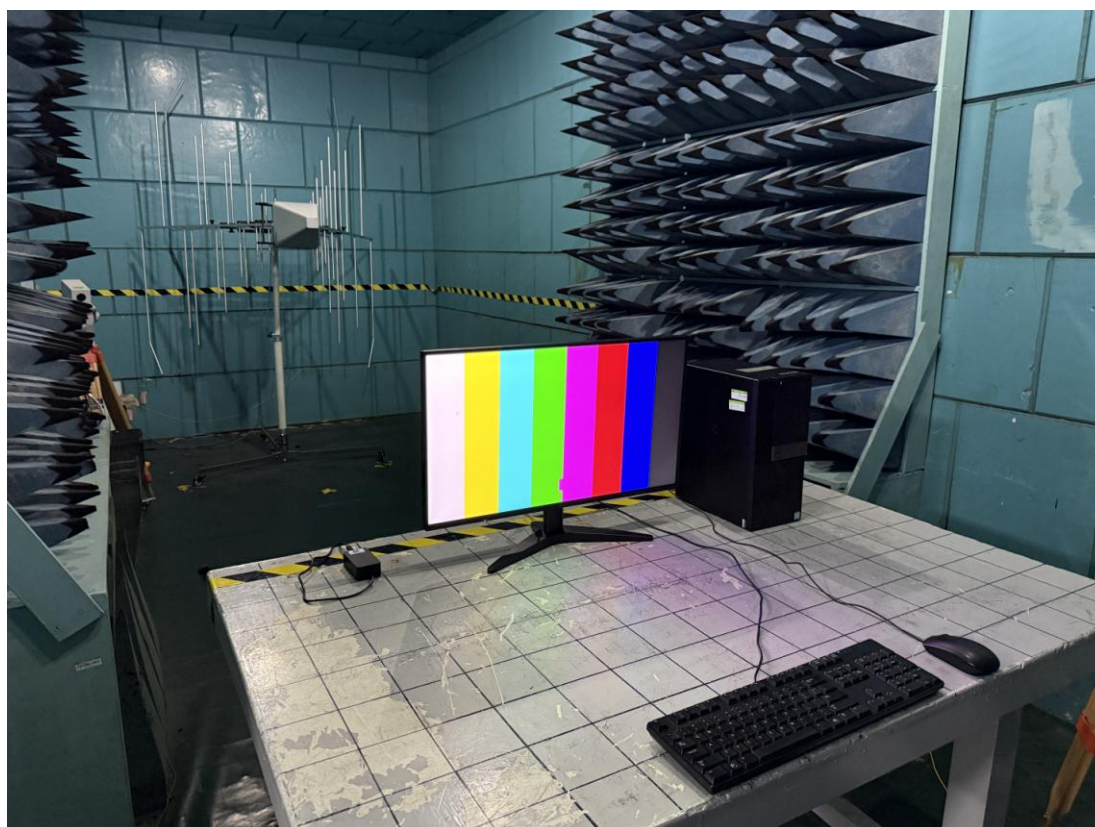


15.4.Photos of Electrostatic Discharge Immunity Test

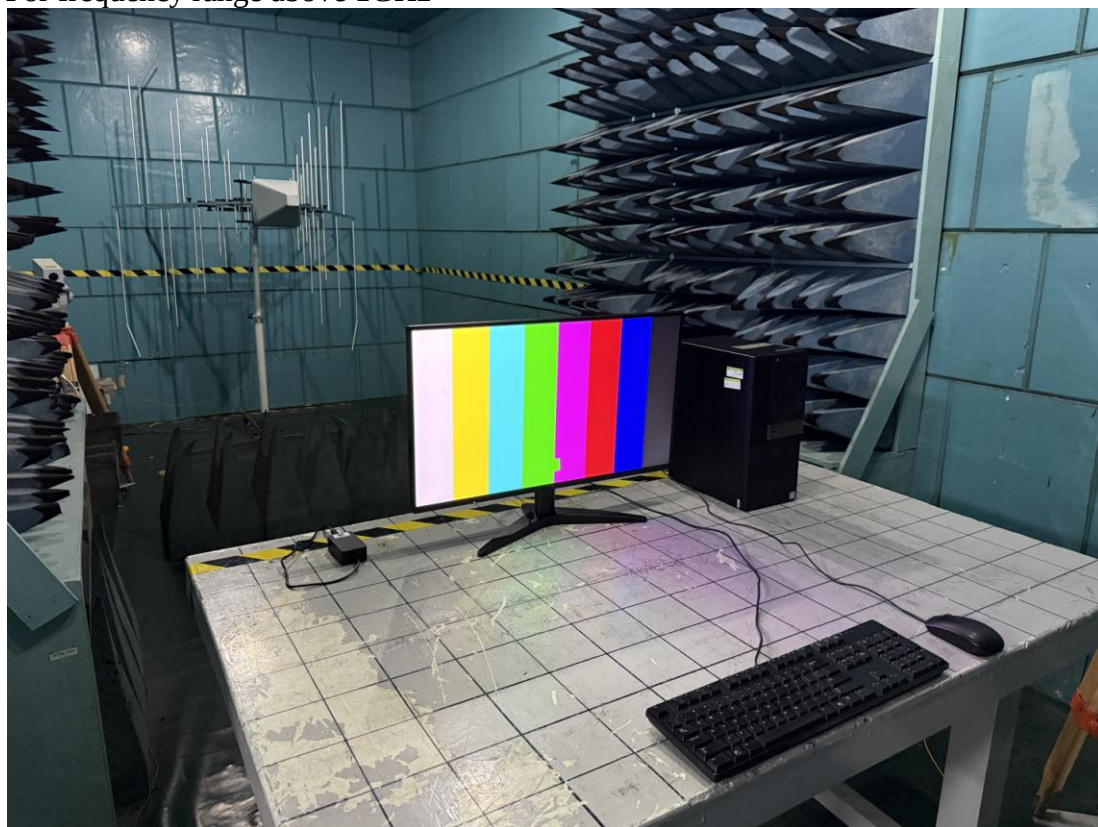




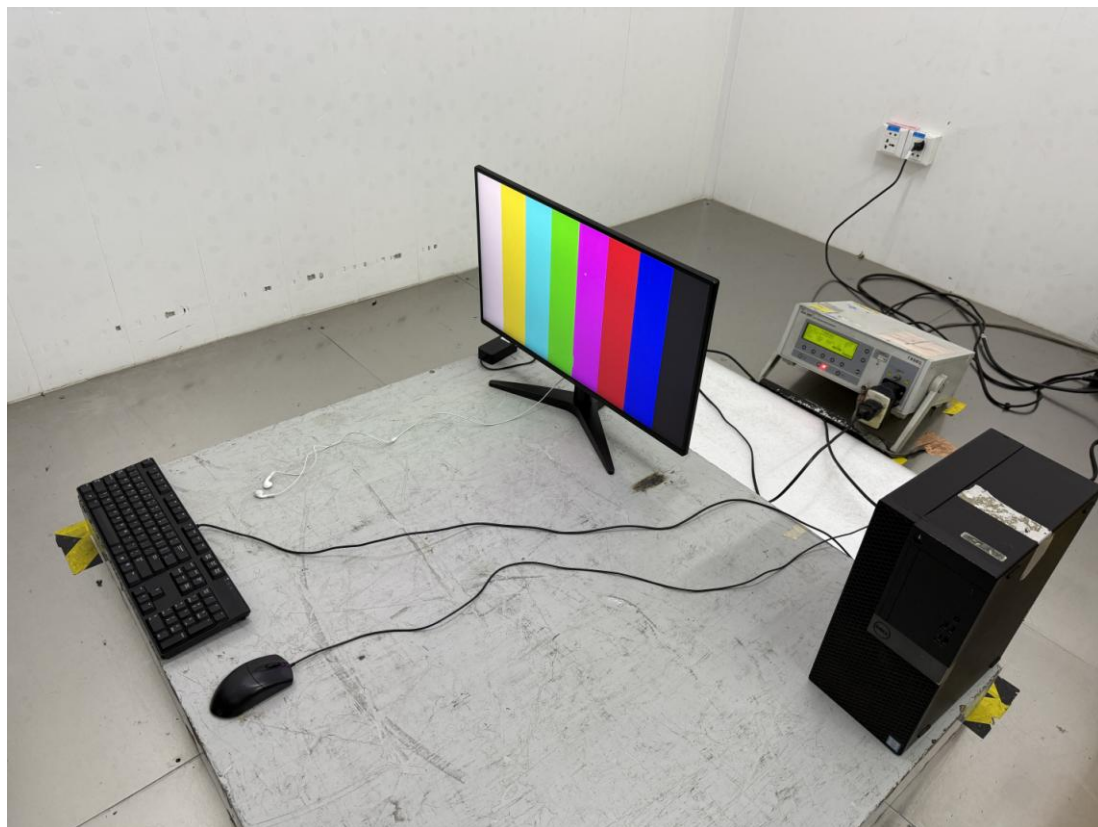
15.5.Photos of RF Strength Susceptibility Test



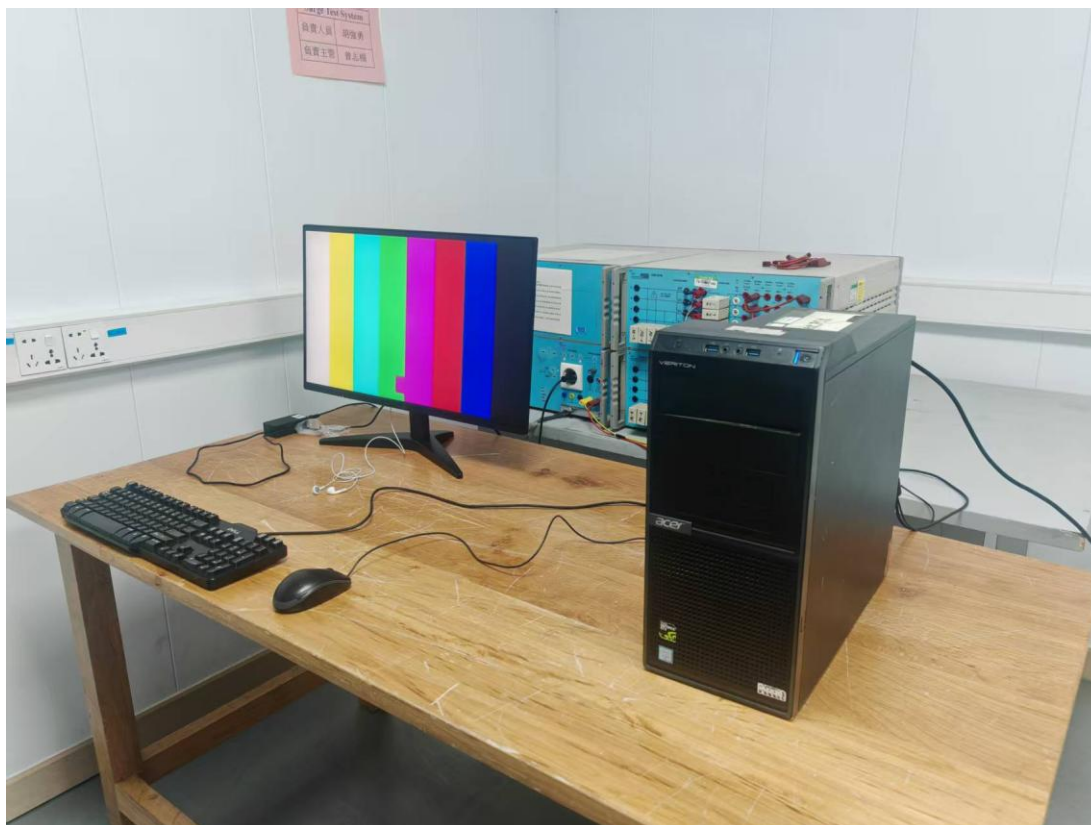
For frequency range above 1GHz



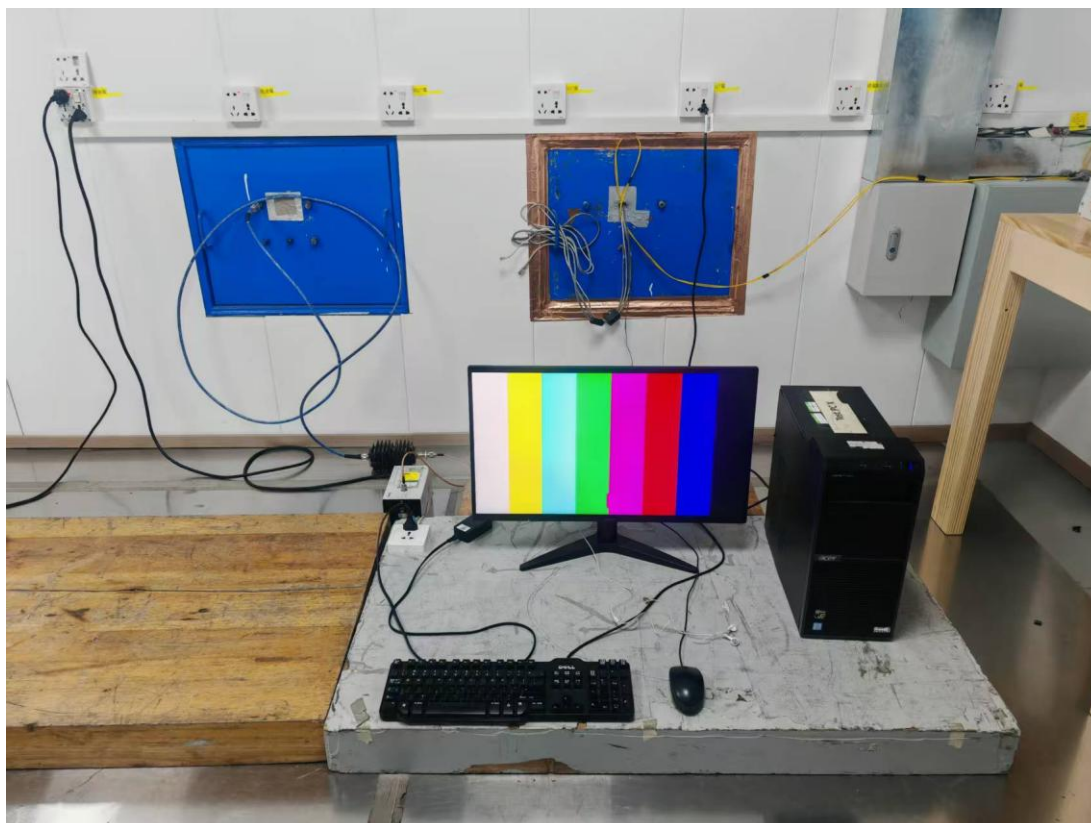
15.6.Photo of Electrical Fast Transient/Burst Immunity Test



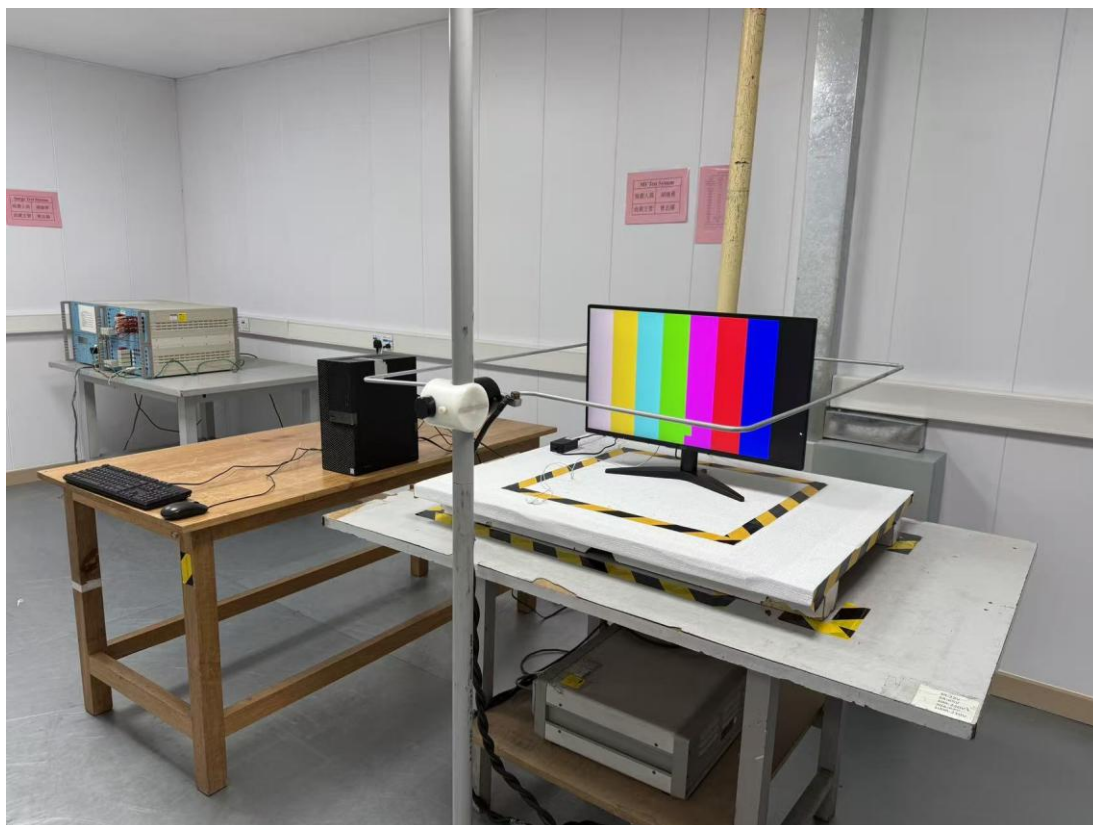
15.7.Photo of Surge Test



15.8.Photo of Continuous Conducted disturbance Test



15.9.Photo of Magnetic Field Test



15.10.Photo of Voltage Dips and interruptions test



THE END