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CE EMC TEST REPORT

Report No.: DDT-B23080303-1E01V1

Applicant	:	BEIJING JZFS SCI-TECH CO.,LTD.
Address	:	No.101, Floor 1-4, Building 10,Dijin Road 9, Haidian Dist., Beijing,China
Equipment under Test	:	Computer Case
Model No.	:	Refer to 2.1 Model Number List
Manufacturer	:	BEIJING JZFS SCI-TECH CO.,LTD.
Address	:	No.101, Floor 1-4, Building 10,Dijin Road 9, Haidian Dist., Beijing,China
Trade Mark	:	N/A

Issued By: Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weis Road, Microelectronics Industrial Park, Development Area, Tianjin, China
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REPORT

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Test Report Declare

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Trade Mark	:	N/A

Test Standard Used:

EN 55032:2015,EN 55032:2015/A11:2020,
 EN 55035:2017,EN 55035:2017/A11:2020,
 IEC 61000-4-2:2008,IEC 61000-4-3:2020,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 for test compliance with the requirement of the above standards.

Report No.:	DDT-B23080303-1E01V1		
Date of Receipt:	Aug. 07, 2023	Date of Test:	Aug. 11, 2023~Aug. 19, 2023

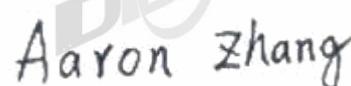


Prepared By:



Zoey Gao/Engineer

Approved By:



Aaron Zhang/EMC Manager

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.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 22, 2023	
V1	According to customer requirements, modified applicant and manufacturer and their corresponding addresses. The trademark, factory and its address were deleted. This report (DDT-B23080303-1E01V1) replaces the original report (DDT-B23080303-1E01), which is invalid.	Aug. 07, 2024	Zoey Gao

1. Summary of Test Results

Description of Test Item	Standard	Result
Radiated Emissions (30MHz to 1GHz)	EN 55032:2015, EN 55032:2015/A11:2020,	Pass
Electrostatic Discharge Immunity	EN 55035:2017, EN 55035:2017/A11:2020, IEC 61000-4-2:2008	Pass
Radiated, Radio-frequency, Electromagnetic Field Immunity	EN 55035:2017, EN 55035:2017/A11:2020, IEC 61000-4-3:2020	Pass
Power Frequency Magnetic Field Immunity	EN 55035:2017, EN 55035:2017/A11:2020, IEC 61000-4-8:2009	Pass

2. General Test Information

2.1 Description of EUT

EUT Name	: Computer Case
Model Number	: Refer to 2.1 Model Number List
Model Differences	: Appearance, size, shape and the number of fans are different, circuit diagram and PCB circuit are same compared to the testing sample.
Serial Number	: N/A
Test Model	: CH560
Sample No.	: Y23080303-01
Power supply	: DC 12V(Powered by AC 100V-240V~50/60Hz switching power to main board and main board output DC to EUT)
EUT Class	: Class B
Maximum work frequency	: 25kHz

Model Number List

Test Model	Product Series
CH560	TESSERACT xxx x=A-Z; 0-9
	SMARTER xxx x=A-Z; 0-9
	MATREXX xxx x=A-Z; 0-9
	MACUBE xxx x=A-Z; 0-9
	CKyyy y=A-Z;0-9
	CGyyy y=A-Z;0-9
	CCyyy y=A-Z;0-9
	CHyyy y=A-Z;0-9
	Cxyyy x=A-Z;0-9 ;y=A-Z;0-9

2.2 Primary Function of EUT

Function	Description
Broadcast reception function	N/A
Print	N/A
Scan	N/A
Display or display output	N/A
Musical tone generating	N/A

Networking	N/A
Audio output	N/A
Telephony	N/A
Bluetooth	N/A
Other	Support and Cooling

2.3 Port of EUT

Port	Description
AC mains power ports	N/A
DC network power port	N/A
Wired network port	N/A
Signal data/control port	Inside:One USB3.0 port,One MIC/AUDIO port,One POWER SW port,One TYPE-C port,One HDD LED port,One 4-PIN FAN port Outside:One USB port,One MIC/AUDIO port,One TYPE-C port
Antenna port	N/A
Broadcast receiver tuner port	N/A
Audio output port	N/A
Video output port	N/A
Other	N/A

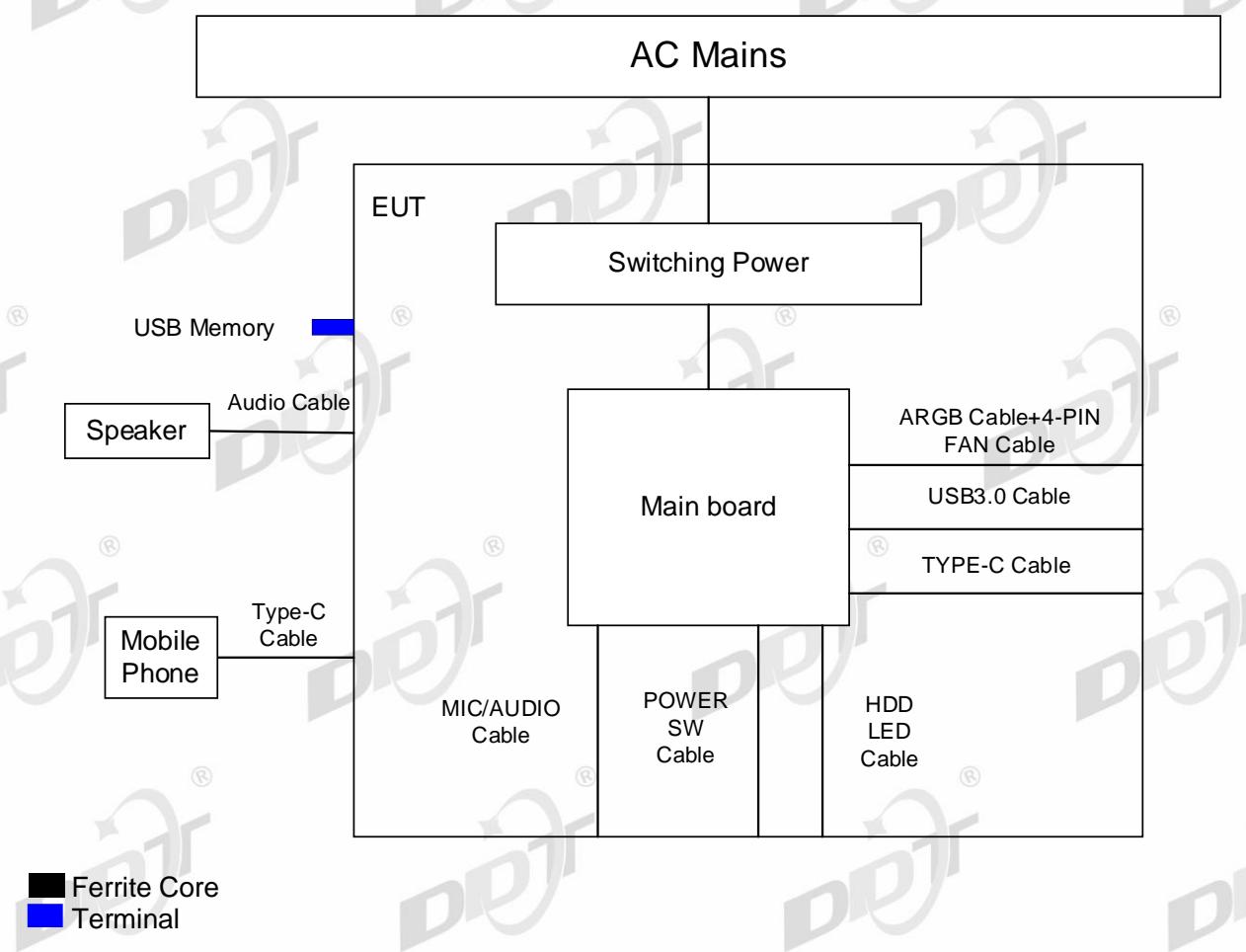
2.4 Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
ARGB Connector cable	N/A	N/A	N/A	N/A

2.5 Test peripherals

Device	Manufacturer	Model No.	Serial No.	Remark
Main board	ASUS	PBZ77-V LK	N/A	N/A
Mobile Phone	SAMSUNG	SM-A5070	R58N422B1FX	N/A
Speaker	JBL	GO2+	N/A	N/A
Speaker	JBL	JBL GO VM	ND0035-AI6859585	N/A
Switching Power	ANTEC	X7000A077-17I	NE550-221300021	N/A
USB Memory	N/A	N/A	N/A	N/A
Type-c Cable	N/A	N/A	N/A	N/A
Audio Cable	N/A	N/A	N/A	N/A

2.6 Block diagram EUT configuration for test



2.7 EUT operating mode(s)

Mode 1	Inside EUT, connect EUT's USB3.0 cable to main board's USB 3-34 port. Connect EUT's MIC/AUDIO cable to main board's AAFP port. Connect EUT's TYPE-C cable to main board's USB port. Connect EUT's POWER SW cable to main board's POWER SW port. Connect EUT's HDD LED cable to main board's HDD LED port. Connect EUT's 4-PIN FAN cable to main board's CPU_FAN port. Outside EUT, Connect USB memory to EUT's USB port. Connect speaker to EUT's MIC/AUDIO port. Connect mobile phone to EUT's Type-C port. Power supply to the switching power to main board, and EUT works normally.
--------	---

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. 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.

2.9 Deviations of test standard

[Standard deviation 1] 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.

2.10 Test laboratory

Tianjin Dongdian Testing Service Co., Ltd.

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

2.11 Measurement uncertainty

Test Item	Uncertainty
Radiated Emissions (30MHz to 1GHz)	5.2 dB (Antenna Polarize: H)
	5.2 dB (Antenna Polarize: V)

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 and Power frequency magnetic field immunity tests to check the uncertainty. Radiated, radio-frequency, electromagnetic field 5.4 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

3 Radiated Emissions (30MHz to 1GHz)

3.1 General Information

Test date	Aug. 11, 2023	Test engineer	Freya Wei	
Climate condition	Ambient temperature	22.7°C	Relative humidity	67.3%
	Atmospheric pressure	100.2kPa		
Test place	10m Chamber			

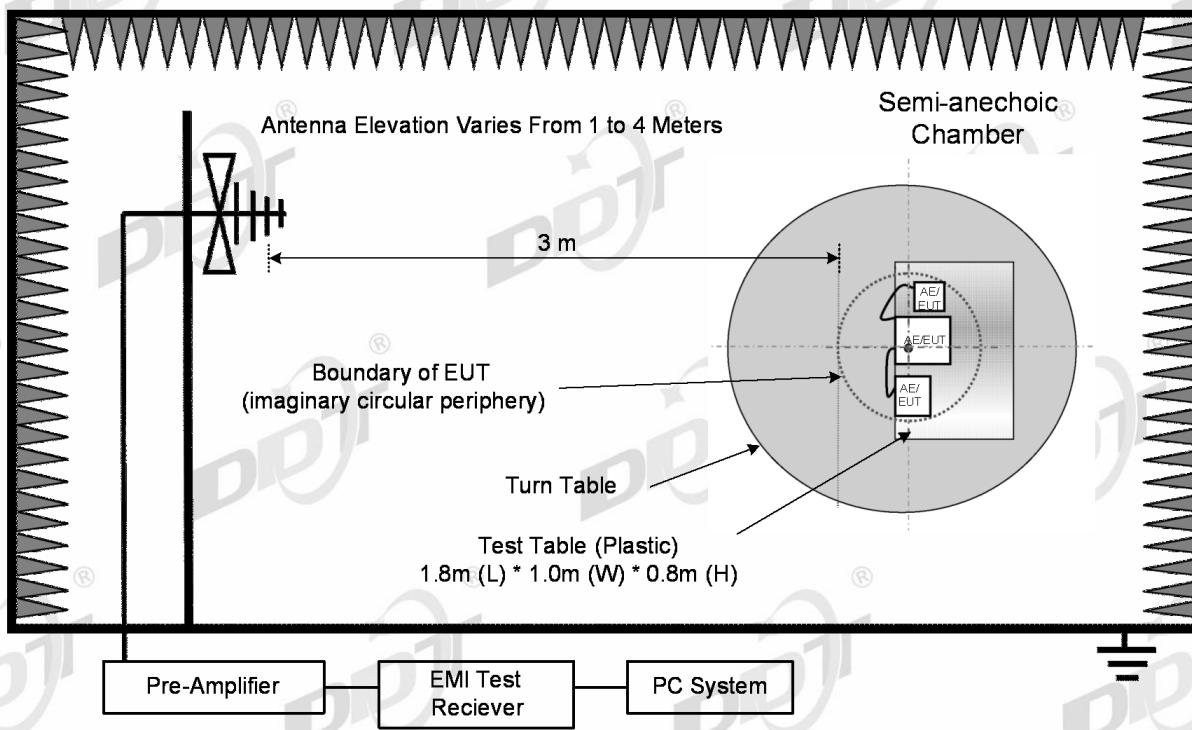
3.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESCI	101024	Feb. 15, 2023	1 Year
EMI Test Receiver	Rohde & Schwarz	ESCI	101030	Feb. 15, 2023	1 Year
BiLog Antenna	TESEQ	CBL 6112D	29068	Oct. 10, 2022	2 Year
BiLog Antenna	TESEQ	CBL 6112D	29069	Oct. 10, 2022	2 Year
Low Noise Amplifier	SONOMA	310N	300913	Feb. 15, 2023	1 Year
Low Noise Amplifier	SONOMA	310N	334532	Feb. 16, 2023	1 Year
Mast Control	INNCO	CONTROLLER CO2000	ZOAA97AZ1 00013D	N/A	N/A
RF Selector 4CH	TOYO	NS4904N	Selector1	N/A	N/A
RF Selector 4CH	TOYO	NS4904N	Selector2	N/A	N/A
Test Software	TOYO	EP5/RE	Ver 5.7.10	N/A	N/A

3.3 Reference Standard

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

3.4 Test Arrangement



- (1) The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Test antenna was located 3m 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.
- (3) Spectrum frequency from 30MHz to 1GHz was investigated.
- (4) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded.
- (5) For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.
- (6) 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.
- (7) Pre-scan measurements were performed in all operating mode or condition. But final measurements were performed in worst cases based on pre-scan measurements.

3.5 Test Specification and Limit

Class B

Frequency	Field Strengths Limits at 3m measuring distance dB(μ V)/m
30MHz to 230MHz	40
230MHz to 1000MHz	47

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

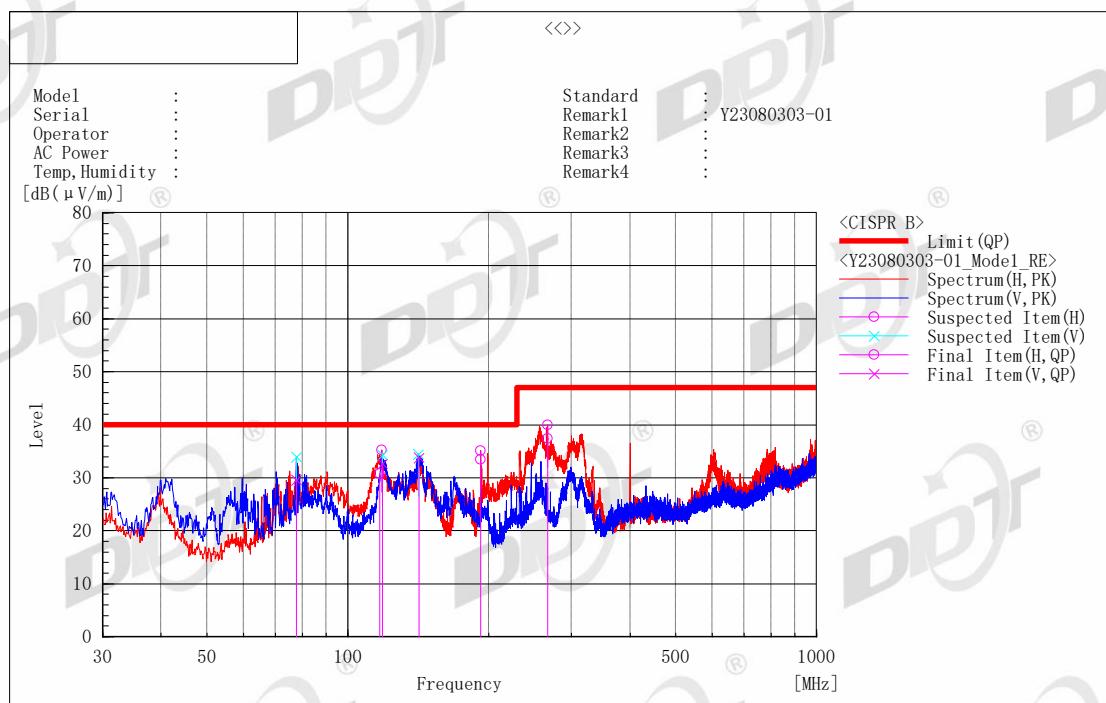
Note4) Level QP (Quasi-Peak) = Reading QP + Factor

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

Note6) Margin = Limit – Level QP

3.6 Test Result

Sample No.	Operation Mode	Remarks	Result
Y23080303-01	Mode 1	Final measurement, minimum margin 6.2 dB	Pass



Final Result

No.	Frequency (P) [MHz]	Reading QP [dB(μV)]	c. f. [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB]	Margin QP [dB]	Height [cm]	Angle [°]	System	Remark
1	117.123	H 41.5	-10.8	30.7	40.0	9.3	216.0	30.0		1
2	192.178	H 46.3	-12.9	33.4	40.0	6.6	127.0	43.8		1
3	266.534	H 46.2	-8.8	37.4	47.0	9.6	133.0	13.5		1
4	77.727	V 46.4	-16.8	29.6	40.0	10.4	106.0	17.0		2
5	118.360	V 44.0	-11.3	32.7	40.0	7.3	115.0	48.1		2
6	141.805	V 45.5	-11.7	33.8	40.0	6.2	123.0	293.1		2

4 Electrostatic Discharge Immunity

4.1 General Information

Test date	Aug. 16, 2023	Test engineer	Oliver Liu	
Climate condition	Ambient temperature	28.5 °C	Relative humidity	45.3%
	Atmospheric pressure	100.5kPa		
Test place	Shield Room 3#			

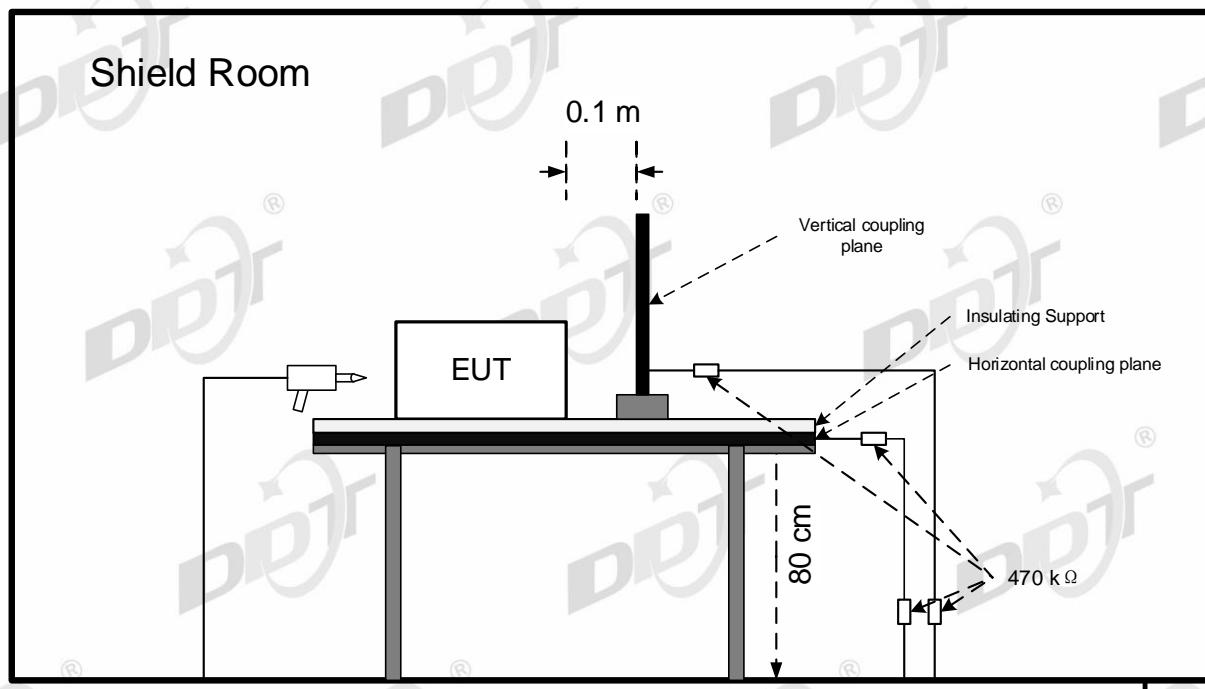
4.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ESD Simulator	TESEQ	NSG 437	407	Jul. 12, 2023	1 Year
Discharge Network	TESEQ	INA 4380	0011	Jul. 12, 2023	1 Year

4.3 Reference Standard

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

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

Contact Discharge:

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

Indirect discharge for horizontal coupling plane:

At least 20 single discharges were applied to the horizontal coupling plane, at points on each side of the EUT. The discharge electrode positions vertically at a distance of 0.1m from the EUT and with the discharge electrode touching the coupling plane.

Indirect discharge for vertical coupling plane:

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

4.5 Test Specification and Limit

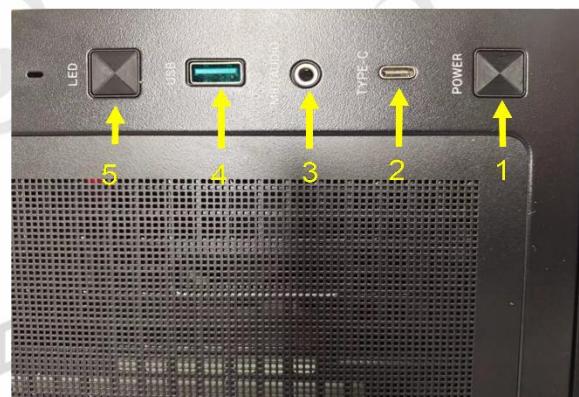
Test Level		Performance Criteria	
Air Discharge	$\pm 2\text{kV}$, $\pm 4\text{kV}$, $\pm 8\text{kV}$	B	
Contact Discharge	$\pm 4\text{kV}$		

4.6 Test Result

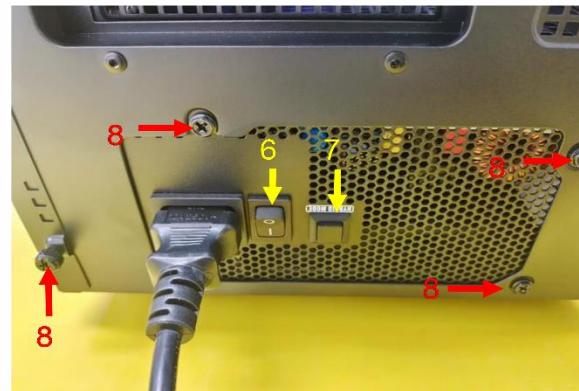
Sample No. Y23080303-01						
Operation Mode	Discharge Method	Test Level	Test Point	Required	Observation	Result
Mode 1	Contact Discharge	$\pm 4\text{kV}$	8, 9	B	A ⁽¹⁾	Pass
Mode 1	Contact Discharge	$\pm 4\text{kV}$	Coupling Planes	B	A ⁽¹⁾	Pass
Mode 1	Air Discharge	$\pm 2\text{kV}$	1, 2, 3, 4, 5, 6, 7	B	A ⁽¹⁾	Pass
Mode 1	Air Discharge	$\pm 4\text{kV}$	1, 2, 3, 4, 5, 6, 7	B	A ⁽¹⁾	Pass
Mode 1	Air Discharge	$\pm 8\text{kV}$	1, 2, 3, 4, 5, 6, 7	B	A ⁽¹⁾	Pass
Remark						
(1)	A: Operation as intend, no loss of function during test and after test.					

Test Point

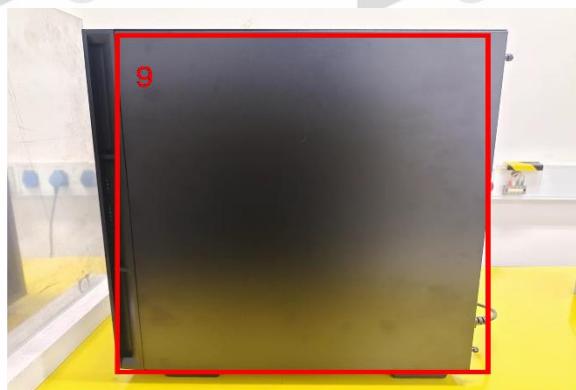
No.	Description	No.	Description	No.	Description
1	Power Button	2	Type-C Port	3	MIC/AUDIO Port
4	USB-A Port	5	LED Button	6	Power Switch
7	Hybrid Mode Button	8	Screw	9	Shield Cover

Discharge Point PhotoContact Air 

9



9



5 Radiated, Radio-frequency, Electromagnetic Field Immunity

5.1 General Information

Test date	Aug. 16, 2023	Test engineer	Joye Cao	
Climate condition	Ambient temperature	24.7°C	Relative humidity	46.9%
	Atmospheric pressure	101.4kPa		
Test place	3m Chamber 1#			

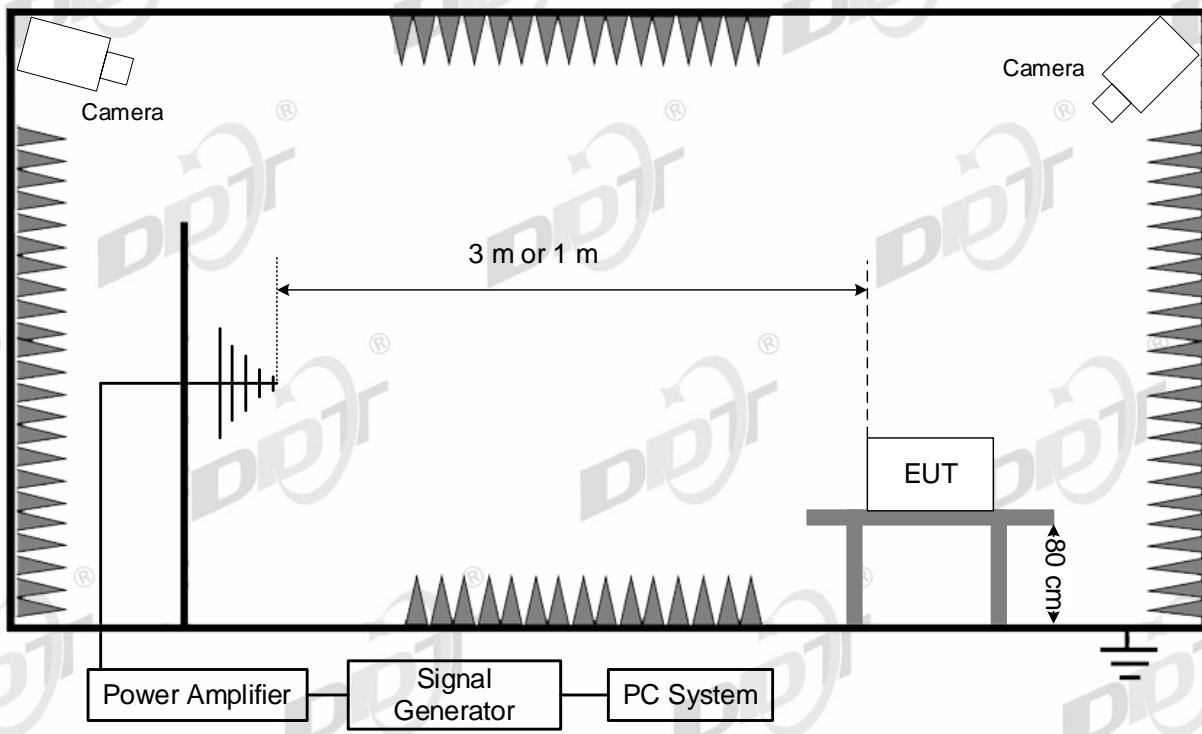
5.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Power Meter	Rohde & Schwarz	NRP	102424	Feb. 15, 2023	1 Year
Average Power Sensor	Rohde & Schwarz	NRP-Z91	100937	Feb. 15, 2023	1 Year
Average Power Sensor	Rohde & Schwarz	NRP-Z91	100938	Feb. 15, 2023	1 Year
Stacked Logarithmic-Periodic Broadband Antenna	SCHWARZBECK	STLP 9149	9149-059	N/A	N/A
Microwave Signal Generator	Rohde & Schwarz	SMB100A	104909	Feb. 15, 2023	1 Year
Special - Stacked Log Periodic Antenna	SCHWARZBECK	STLP 9128 E special	9128ES-171	N/A	N/A
RF Switch for Radiated	SKET	RS_DC06G-AMC-3C	SK2020081901	N/A	N/A
Power Amplifier	SKET	HAP_01G032G-250W	202104178	Aug. 03, 2023	1 Year
Power Amplifier	SKET	HAP_03G06G-75W	SK202106221	Aug. 23, 2022	1 Year
Power Amplifier(Combiner)	SKET	HAP_80M200M/200M1G-2000/1000W	202102154	Aug. 03, 2023	1 Year

5.3 Reference Standard

EN 55035:2017,
EN 55035:2017/A11:2020,
IEC 61000-4-3:2020

5.4 Test Arrangement



- (1) 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.
- (2) 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.
- (3) Where the frequency range is swept incrementally, the step size shall not exceed 1 % of the preceding frequency value.
- (4) 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.
- (5) 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.
- (6) 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.

5.5 Test Specification and Limit

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

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

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.

Audio output function:

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.

5.6 Test Result

Sample No. Y23080303-01						
Steps: 1%		Dwell time: 1s		Modulation: 1KHz 80% AM		
Operation Mode	EUT Position	Antenna: Horizontal		Antenna: Vertical		Result
		Required	Observation	Required	Observation	
Mode 1	Front side	A	A ⁽¹⁾	A	A ⁽¹⁾	Pass
Mode 1	Back side	A	A ⁽¹⁾	A	A ⁽¹⁾	Pass
Mode 1	Left side	A	A ⁽¹⁾	A	A ⁽¹⁾	Pass
Mode 1	Right side	A	A ⁽¹⁾	A	A ⁽¹⁾	Pass

Remark

(1) A: Operation as intend, no loss of function during test and after test.

Audio output function result: \this device without audio output function.			
Method	Port	Acoustic interference ratio L1-L0 (dB) Required: ≤-20dB	Result
<input type="checkbox"/> acoustic measurement	N/A	N/A	N/A
<input type="checkbox"/> electrical measurement	N/A	N/A	N/A

6 Power Frequency Magnetic Field Immunity

6.1 General Information

Test date	Aug. 16, 2023	Test engineer	Oliver Liu	
Climate condition	Ambient temperature	28.5°C	Relative humidity	45.3%
	Atmospheric pressure	100.5kPa		
Test place	Shield Room 3#			

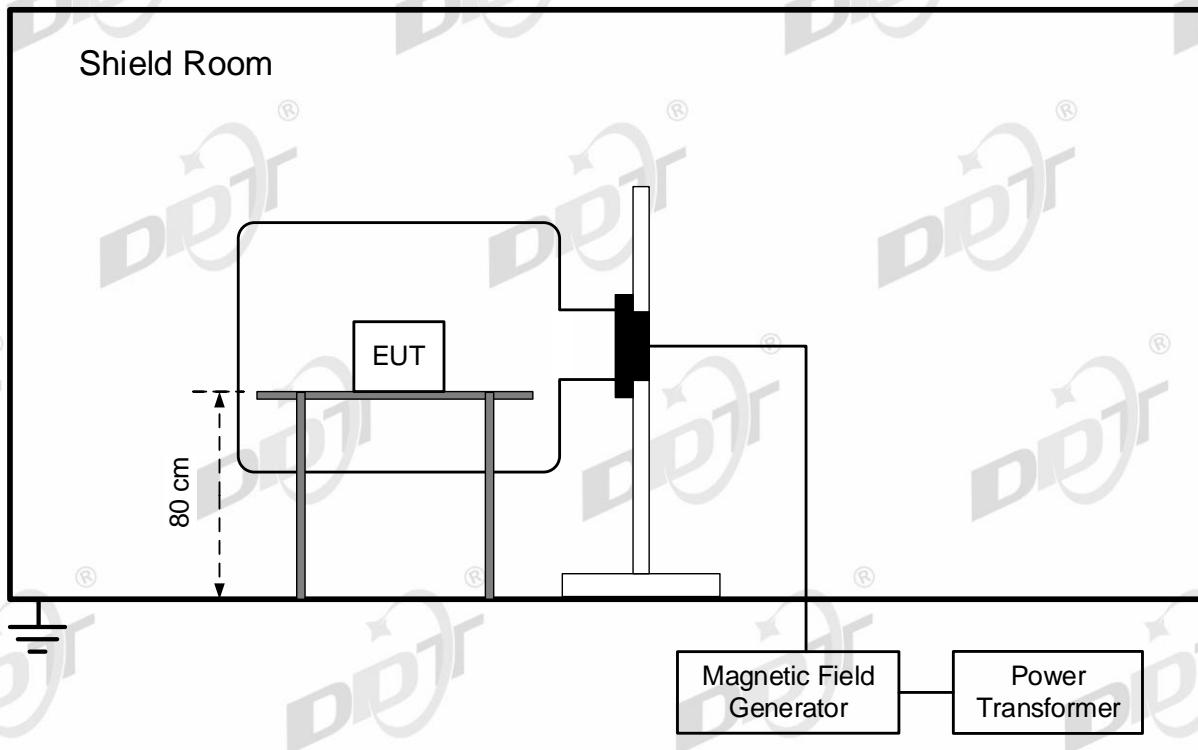
6.2 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Automatic Power Line Frequency Magnetic Field Generator	TESEQ	MFO 6502	123	Feb. 16, 2023	1 Year
Magnetic Field Coil	TESEQ	INA 702	199	Feb. 16, 2023	1 Year
Multifunction Generator Systems	TESEQ	NSG 3060	1338	Feb. 15, 2023	1 Year
Automated single phase Coupling/Decoupling Networks	TESEQ	CDN 3061	210	Feb. 15, 2023	1 Year

6.3 Reference Standard

EN 55035:2017,
EN 55035:2017/A11:2020,
IEC 61000-4-8:2009

6.4 Test Arrangement



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.

6.5 Test Specification and Limit

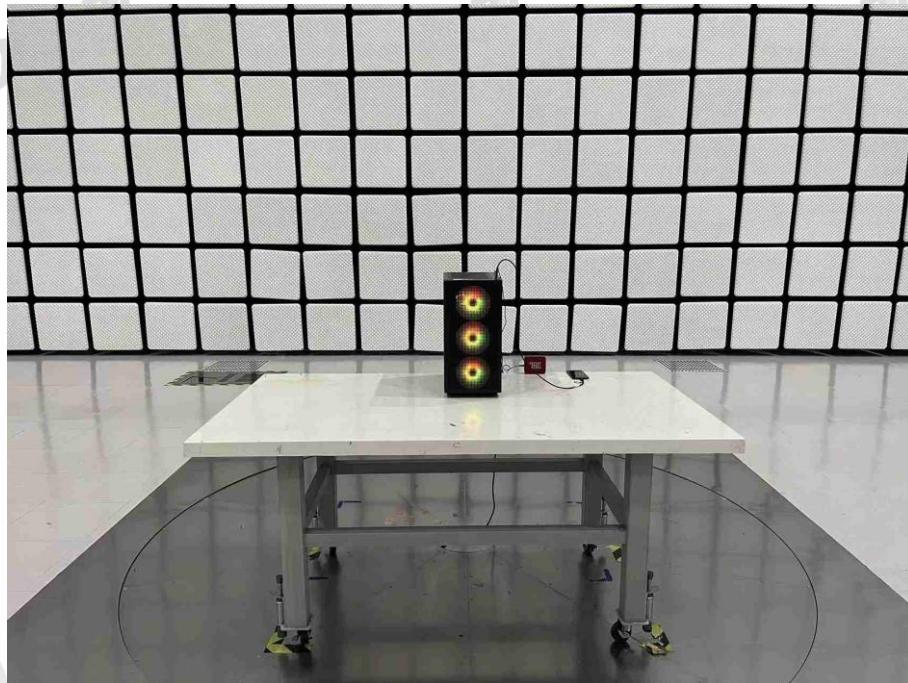
Magnetic Field Strength (A/m)	Performance Criterion
1	A

6.6 Test Result

Sample No. Y23080303-01					
Operation Mode	Test Level	Coil Orientation	Required	Observation	Result
Mode 1	1A/m	X	A	A ⁽¹⁾	Pass
Mode 1	1A/m	Y	A	A ⁽¹⁾	Pass
Mode 1	1A/m	Z	A	A ⁽¹⁾	Pass
Remark					
(1)	A: Operation as intend, no loss of function during test and after test.				

Annex A. Test Setup Photos

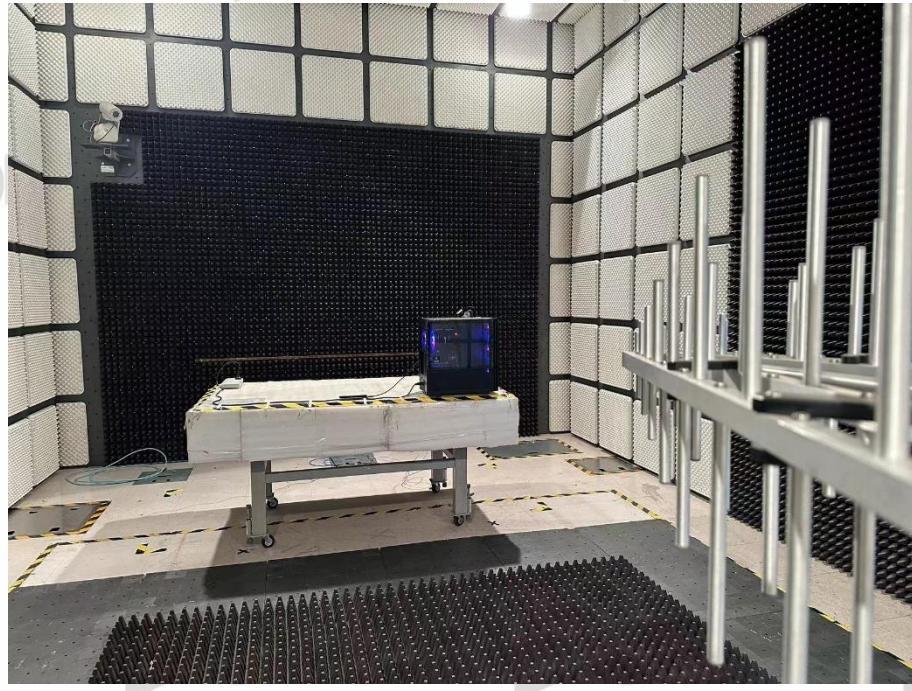
A.1 Radiated Emissions (30MHz to 1GHz)

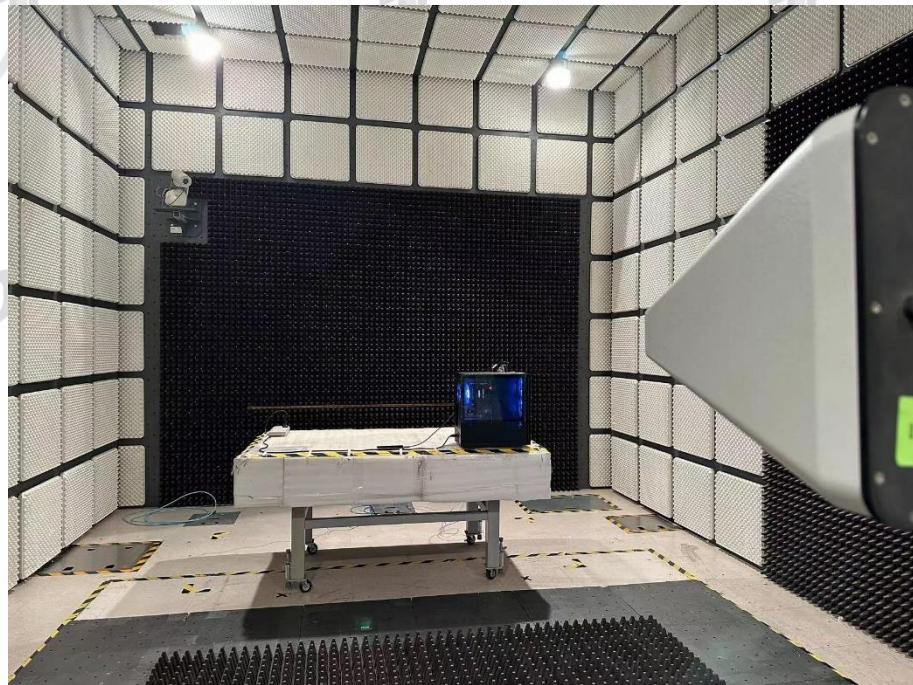


A.2 Electrostatic Discharge Immunity

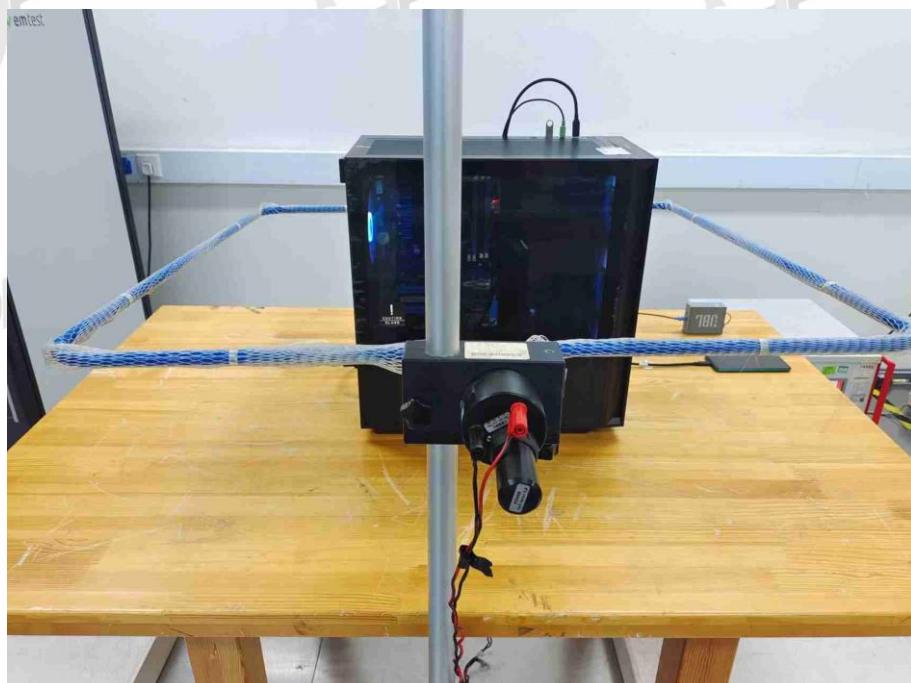


A.3 Radiated, Radio-frequency, Electromagnetic Field Immunity

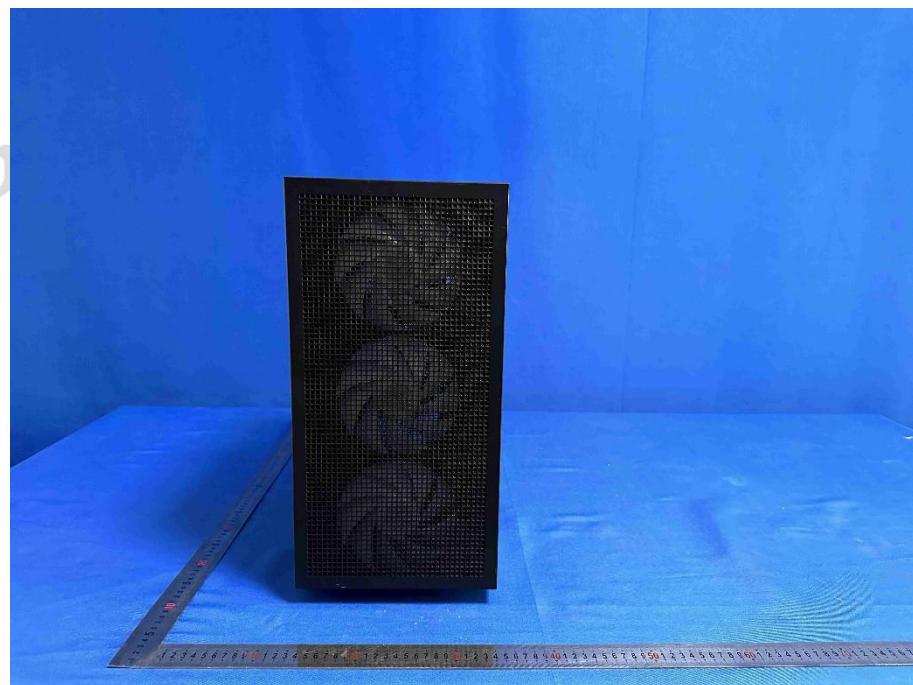




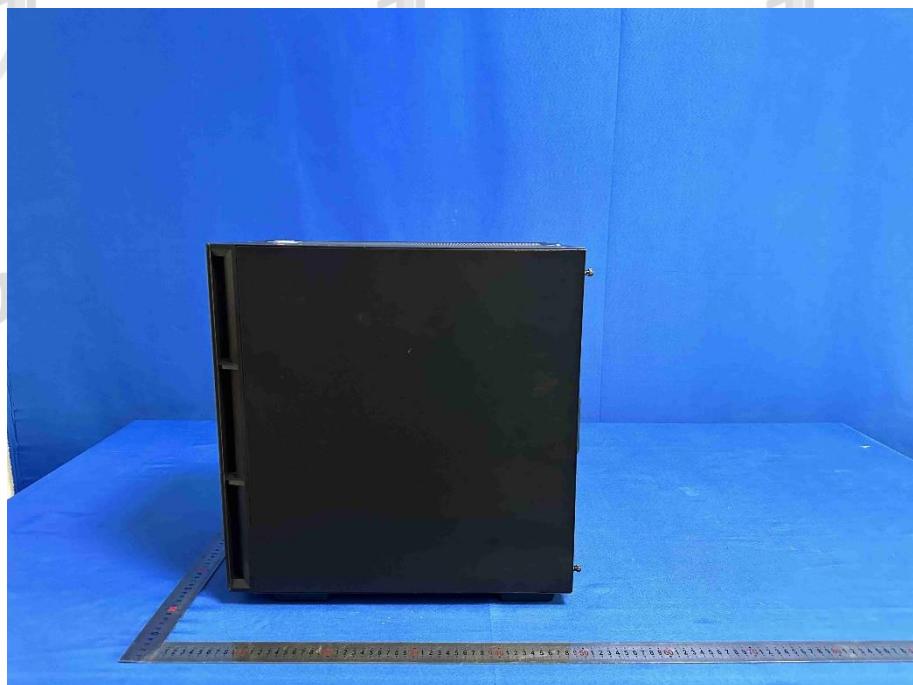
A.4 Power Frequency Magnetic Field Immunity



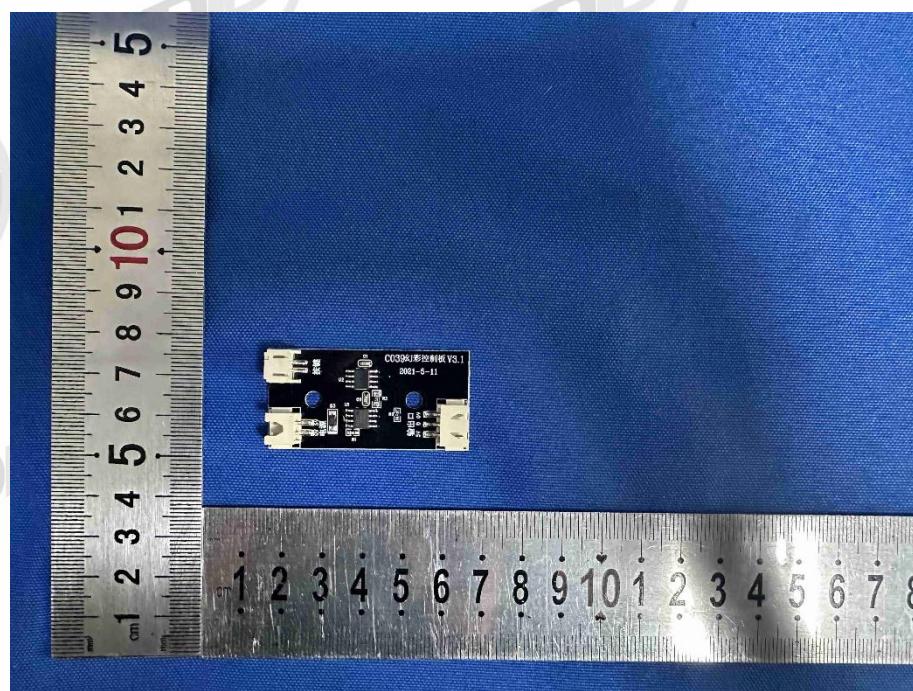
Annex B.Photos of EUT

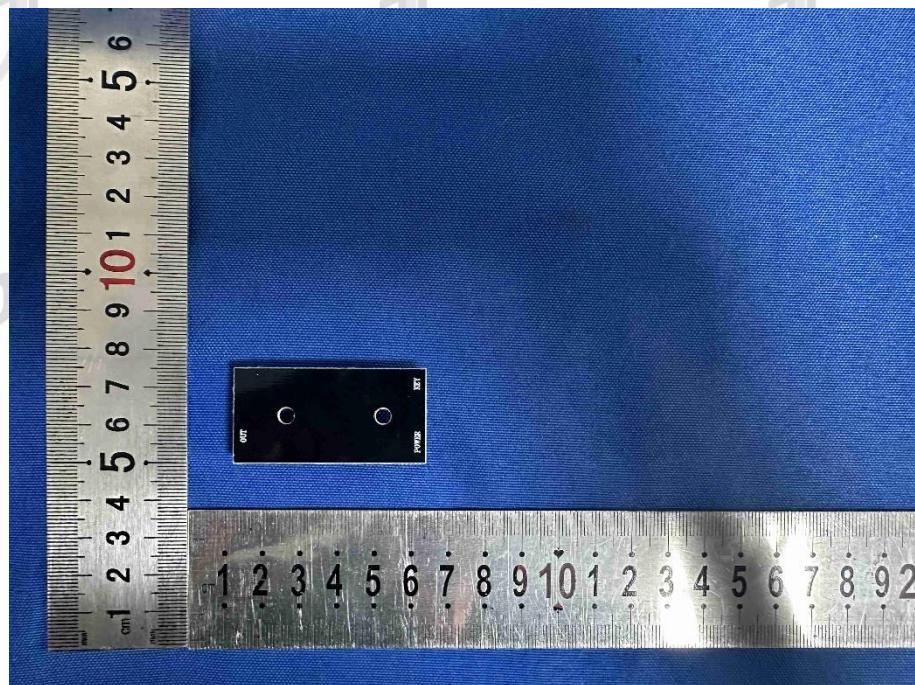






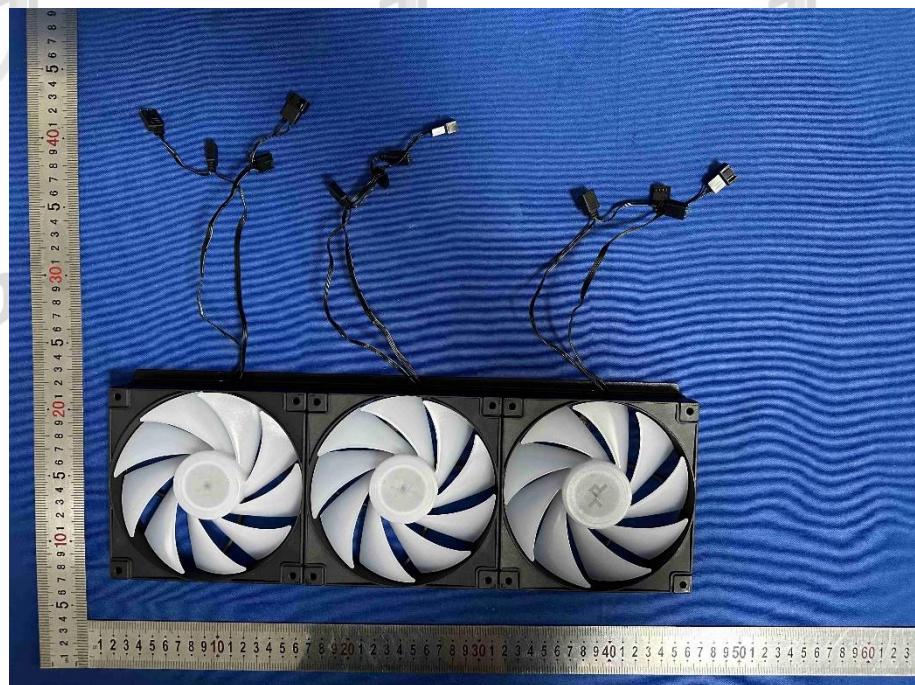














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END OF REPORT