



TEST REPORT

Reference No...... : WTX22X12242404E
Applicant..... : Shenzhen Forward Video Technology Co., Ltd
Address..... : 7 / F, West Building A, Huilongda Industrial Park, Shilongzai, Shiyao Town,
Baoan District, Shenzhen
Manufacturer..... : Shenzhen Forward Video Technology Co., Ltd
Address..... : 7 / F, West Building A, Huilongda Industrial Park, Shilongzai, Shiyao Town,
Baoan District, Shenzhen
Product Name..... : Audio capture box
Model No...... : ezcap241
Standards..... : EN 55032:2015+A1:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A2:2021
EN 55035:2017+A11:2020
Date of Receipt sample..... : 2022-12-01
Date of Test..... : 2022-12-01 to 2022-12-07
Date of Issue..... : 2022-12-08
Test Report Form No...... : WTX_EN 55032_2015_B
Test Result..... : **Compliant**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

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Report version

Version No.	Date of issue	Description
Rev.00	2022-12-08	Original
/	/	/

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Audio capture box
Trade Name:	ezcap
Model No.:	ezcap241
Adding Model(s):	ezcap216, ezcap221, ezcap218, ezcap218B, ezcap218S, ezcap218SP, ezcap231, ezcap215, ezcap230, ezcap232, ezcap233, ezcap234, ezcap235, ezcap244, ezcap246, ezcap613P
<i>Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model ezcap241, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Power Supply:	AC 230V/50Hz
Power Adaptor:	/
Cable:	USB Calbe *1 (Length 0.8m, Unshielded, without Ferrite, without chip) AUX Calbe *1 (Length 0.8m, Unshielded, without Ferrite, without chip)
Rated Power:	/
Rated Current:	/
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B



1.2 Test Standards

The tests were performed according to following standards:

EN 55032:2015+A1:2020: Electromagnetic compatibility of multimedia equipment - Emission requirements

EN IEC 61000-3-2:2019+A1:2021: Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16A per phase)

EN 61000-3-3:2013+A2:2021: Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq$ 16A per phase and not subject to conditional connection

EN 55035:2017+A11:2020: Electromagnetic compatibility of multimedia equipment - Immunity requirements.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

1.3 Test Location

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

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1.4 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission/immunity level. The test modes were adapted according to the operation manual for use, more detailed description as follows:

No	Title	Description
TM1	Working mode	Connect to your phone

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
Mobile phone	Xiaomi	Mi 10 Pro	/

1.5 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions (AC Mains 150k - 30MHz)	$\pm 3.34\text{dB}$
Radiated Emissions (30M - 1000MHz)	$\pm 5.56\text{dB}$

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1.6 Test Equipment List and Details

Conducted emissions from AC mains power ports (150kHz-30MHz)					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
8-WIRE LISN	Schwarz beck	8158	CAT5-8158-0117	2022-03-22	2023-03-21
8-WIRE LISN	Schwarz beck	8158	CAT3-8158-0059	2022-03-22	2023-03-21
AC LISN	Schwarz beck	NSLK8126	8126-224	2022-03-22	2023-03-21
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2022-03-25	2023-03-24
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2022-03-22	2023-03-21

Radiated emissions (30MHz-1GHz)					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Amplifier	HP	8447F	2805A03475	2022-01-07	2023-01-06
Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2023-03-19
Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2021-03-20	2023-03-19
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2022-03-22	2023-03-21
Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2022-03-22	2023-03-21

Voltage fluctuations and flicker					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Power Source	California Instrument	5001IX-CTS-400	25965	2022-03-22	2023-03-21
Digital Power Analyzer	California Instrument	CTS	72831	2022-03-22	2023-03-21

Electrostatic discharges					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
ESD Generator	LIONCEL	ESD-203B	0170901	2022-03-28	2023-03-27

RF electromagnetic field disturbances					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Power Meter	Agilent	E4419B	GB42420578	2022-03-22	2023-03-21
Antenna	SCHWARZBECK	STLP 9129	9129 114	/	/
RF Power Amplifier	MicoTop	MPA-1000-6000-100	MPA1906238	2022-03-22	2023-03-21
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2022-03-22	2023-03-21
Power Sensor	Agilent	E9304A	MY55081055	2022-03-25	2023-03-24
Power Sensor	Agilent	E9301A	MY52450001	2022-03-25	2023-03-24
Signal Generator	HP	8688B	3438A00604	2022-03-22	2023-03-21

Electrical fast transients / burst for AC mains power ports					
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Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2022-03-22	2023-03-21
Transient 2000	EMC PARTNER	TRA2000	863	2022-03-22	2023-03-21

Surges for AC mains power ports

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2022-03-22	2023-03-21
Transient 2000	EMC PARTNER	TRA2000	863	2022-03-22	2023-03-21

Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
EM Clamp	TESEQ	KEMZ801A	45028	2022-03-25	2023-03-24
CDN	LIONCEL	CDN-T8	0210401	2022-03-25	2023-03-24
CDN	Luthi	L-801M2/M3	2665	2022-03-22	2023-03-21
Attenuator	EMTEST	MA-5100/6BF2	1009	2022-03-22	2023-03-21
CONDUCTED IMMUNITY TEST SYSTEM	FRANKONIA	CIT-10/75	126B1247/20 13	2022-01-07	2023-01-06

Power frequency magnetic field

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2022-03-22	2023-03-21
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2022-03-22	2023-03-21
PMF Generator	LIONCEL	PMF-801C-C	0171101	2022-03-22	2023-03-21

Voltage dips and interruptions

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2022-03-22	2023-03-21
Transient 2000	EMC PARTNER	TRA2000	863	2022-03-22	2023-03-21



2. SUMMARY OF TEST RESULTS

Item	Standard	Method	Result
Conducted emissions from AC mains power ports (150kHz-30MHz)	EN 55032:2015+A1:2020	EN 55032:2015+A1:2020	Compliant
Radiated emissions (30MHz-1GHz)	EN 55032:2015+A1:2020	EN 55032: 2015+A1:2020	Compliant
Harmonic current emission	EN IEC 61000-3-2:2019+A1:2021	EN IEC 61000-3-2:2019+A1:2021	Compliant
Voltage fluctuations and flicker	EN 61000-3-3:2013+A2:2021	EN 61000-3-3: 2013+A1:2019+A2:2021	Compliant
Electrostatic discharges	EN 55035:2017+A11:2020	EN 61000-4-2: 2009	Compliant
RF electromagnetic field disturbances	EN 55035:2017+A11:2020	EN IEC 61000-4-3: 2020	Compliant
Electrical fast transients / burst for AC mains power ports	EN 55035:2017+A11:2020	EN 61000-4-4: 2012	Compliant
Surges for AC mains power ports	EN 55035:2017+A11:2020	EN 61000-4-5: 2014 +A1: 2017	Compliant
Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)	EN 55035:2017+A11:2020	EN 61000-4-6: 2014	Compliant
Power frequency magnetic field	EN 55035:2017+A11:2020	EN 61000-4-8: 2010	Compliant
Voltage dips and interruptions	EN 55035:2017+A11:2020	EN IEC 61000-4-11:2020	Compliant



3. Evaluation Results (Evaluation)

3.1 Harmonic current emission

Test Requirement:	Class A
Test Limit:	Not specified

3.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

3.1.2 Summary of Test Results

Refer to EN IEC 61000-3-2 clause 7.1:

"For the following categories of equipment, limits are not specified in this document:

- lighting equipment with a rated power less than but not equal to 5 W;
- equipment with a rated power of 75 W or less, other than lighting equipment;"

Since the rated power of the EUT is less than 75W, harmonic current test is not needed.

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4. Emission Test Results (EMI)

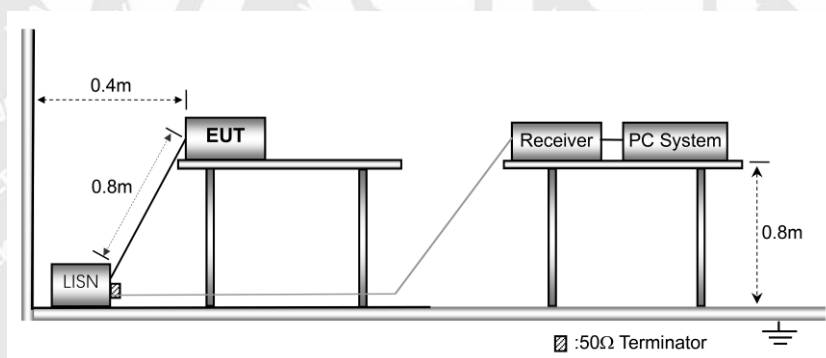
4.1 Conducted emissions from AC mains power ports (150kHz-30MHz)

Test Requirement:	Class B		
Test Limit:	Frequency Range	Limit (Quasi-Peak)	Limit (Average)
	0.15MHz to 0.5MHz	66dB(μV) to 56dB(μV)	56dB(μV) to 46dB(μV)
	0.5MHz to 5MHz	56dB(μV)	46dB(μV)
	5MHz to 30MHz	60dB(μV)	50dB(μV)
	Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz	
Test Method:	EN 55032:2015+A1:2020		
Procedure:	An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor		

4.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

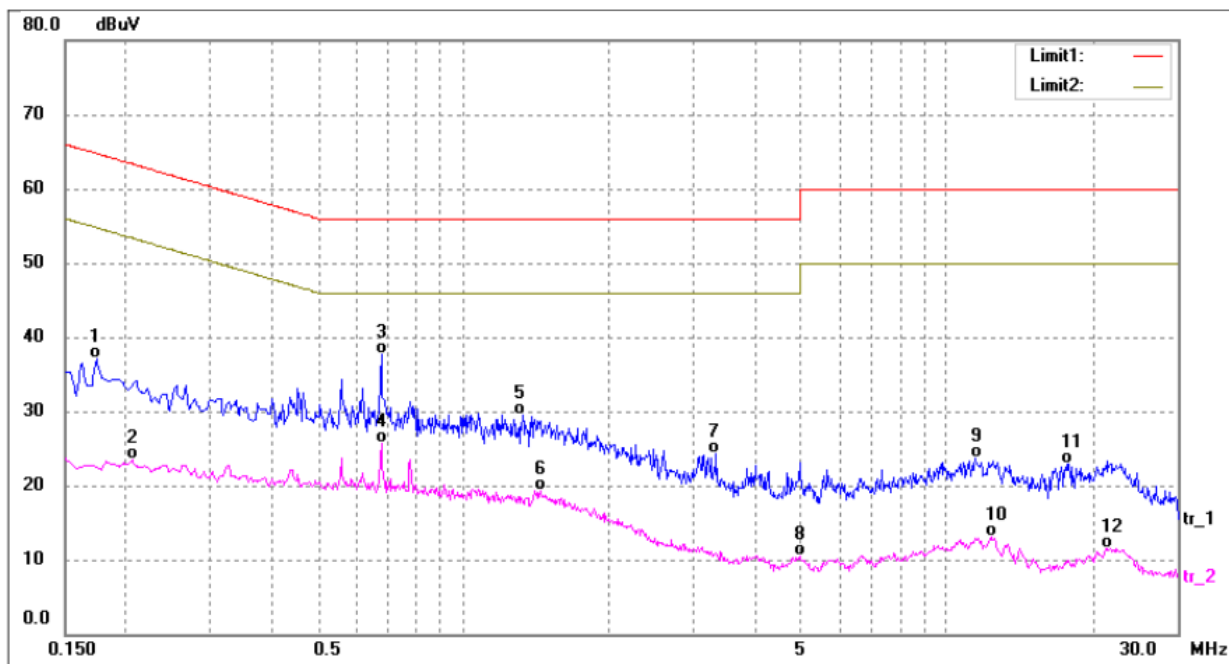
4.1.2 Basic Test Setup Block Diagram



4.1.3 Summary of Test Results



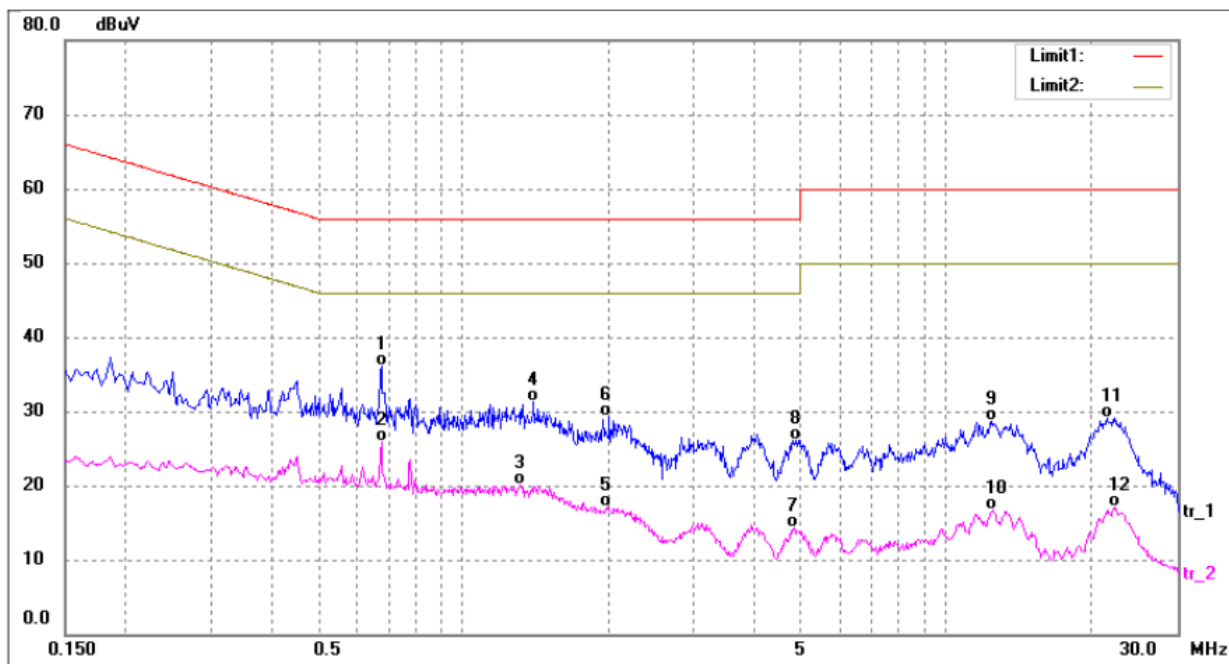
TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	26.75	10.30	37.05	64.76	-27.71	QP
2	0.2060	13.15	10.29	23.44	53.36	-29.92	AVG
3*	0.6780	27.55	10.20	37.75	56.00	-18.25	QP
4	0.6780	15.57	10.20	25.77	46.00	-20.23	AVG
5	1.3300	19.29	10.17	29.46	56.00	-26.54	QP
6	1.4420	9.08	10.18	19.26	46.00	-26.74	AVG
7	3.3300	13.94	10.29	24.23	56.00	-31.77	QP
8	4.9660	0.25	10.33	10.58	46.00	-35.42	AVG
9	11.4460	13.29	10.32	23.61	60.00	-36.39	QP
10	12.3700	2.71	10.30	13.01	50.00	-36.99	AVG
11	17.7420	12.67	10.31	22.98	60.00	-37.02	QP
12	21.5500	1.11	10.37	11.48	50.00	-38.52	AVG



TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.6780	25.89	10.20	36.09	56.00	-19.91	QP
2	0.6780	15.62	10.20	25.82	46.00	-20.18	AVG
3	1.3099	9.89	10.17	20.06	46.00	-25.94	AVG
4	1.4020	21.06	10.18	31.24	56.00	-24.76	QP
5	1.9860	6.84	10.25	17.09	46.00	-28.91	AVG
6	2.0020	18.99	10.25	29.24	56.00	-26.76	QP
7	4.8380	3.91	10.33	14.24	46.00	-31.76	AVG
8	4.9380	15.82	10.33	26.15	56.00	-29.85	QP
9	12.4220	18.38	10.30	28.68	60.00	-31.32	QP
10	12.5060	6.42	10.29	16.71	50.00	-33.29	AVG
11	21.4660	18.74	10.37	29.11	60.00	-30.89	QP
12	22.2540	6.67	10.37	17.04	50.00	-32.96	AVG



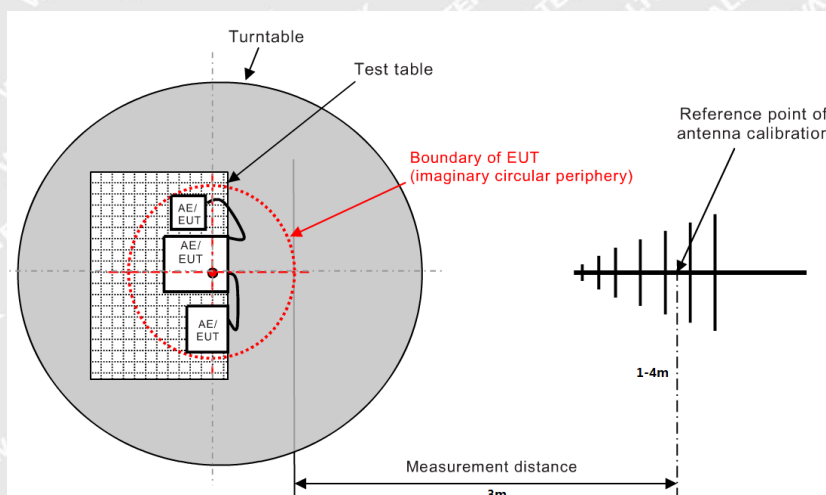
4.2 Radiated emissions (30MHz-1GHz)

Test Requirement:	Table A.6		
Test Limit:	For Distance: 10m		
	Frequency (MHz)	Fundamental	Harmonics
	30 to 230	50	42
	230 to 300		42
	300 to 1000		46
	Frequency (MHz)	Fundamental	Harmonics
	30 to 230	60	52
	230 to 300		52
	300 to 1000		56
	For Distance: 3m		
Test Method:	EN 55032: 2015+A1:2020		
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor		

4.2.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

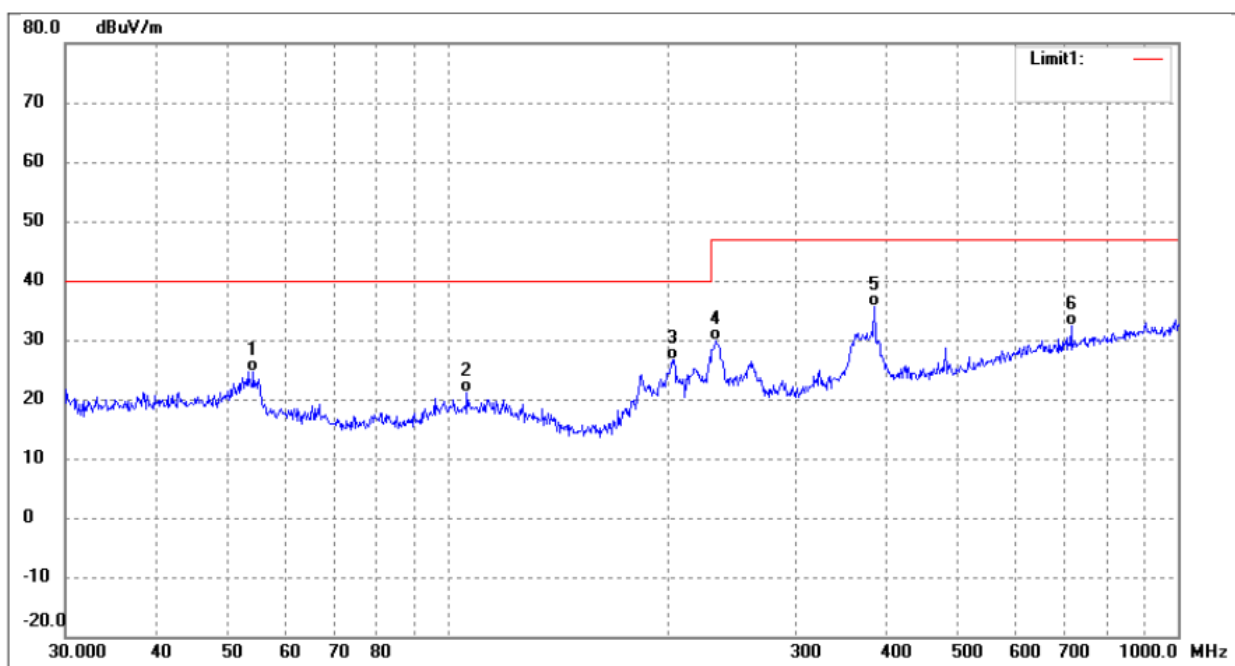
4.2.2 Basic Test Setup Block Diagram





4.2.3 Summary of Test Results

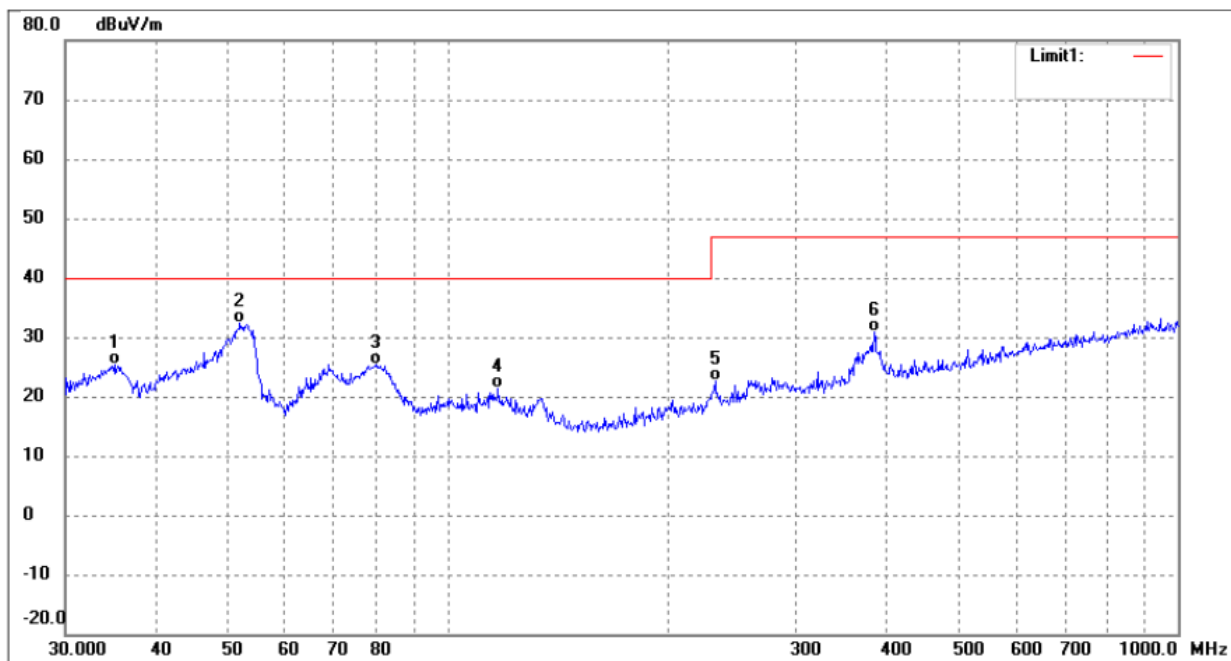
TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	54.2610	32.64	-8.06	24.58	40.00	-15.42	67	100	QP
2	106.3850	29.18	-8.12	21.06	40.00	-18.94	107	100	QP
3	203.5228	34.96	-8.30	26.66	40.00	-13.34	63	100	QP
4	232.5318	37.07	-7.31	29.76	47.00	-17.24	144	100	QP
5	383.9318	39.14	-3.58	35.56	47.00	-11.44	272	100	QP
6	714.1734	30.80	1.50	32.30	47.00	-14.70	231	100	QP



TM1 / Polarization: Vertical



No.	Frequenc y (MHz)	Reading (dBuV/ m)	Correct dB/m	Result (dBuV/ m)	Limit (dBuV/ m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	35.0048	33.64	-8.22	25.42	40.00	-14.58	118	100	QP
2	52.0251	39.98	-7.67	32.31	40.00	-7.69	96	100	QP
3	79.8003	37.19	-11.91	25.28	40.00	-14.72	137	100	QP
4	117.3603	30.07	-8.64	21.43	40.00	-18.57	130	100	QP
5	232.5318	29.93	-7.31	22.62	47.00	-24.38	88	100	QP
6	383.9318	34.36	-3.58	30.78	47.00	-16.22	250	100	QP



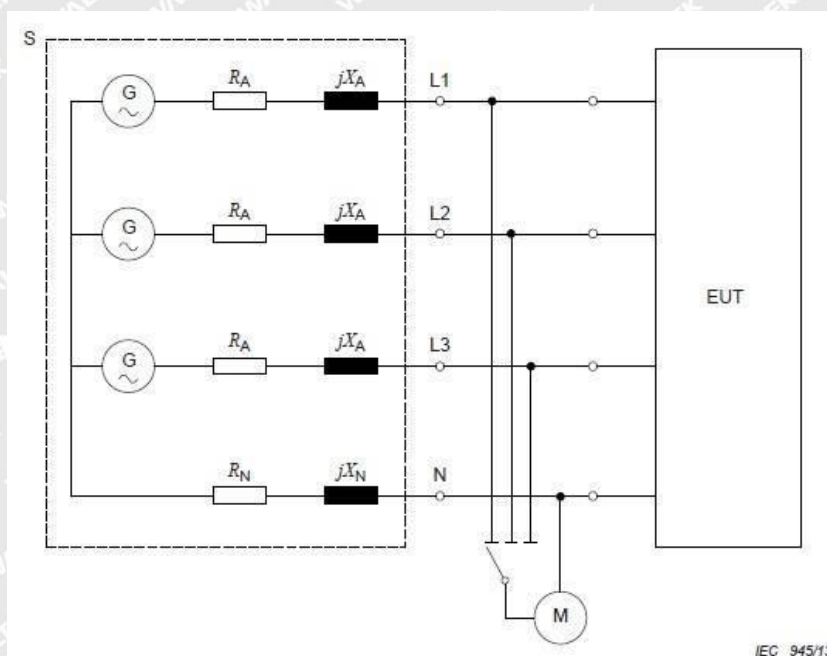
4.3 Voltage fluctuations and flicker

Test Requirement:	Clause 4
Test Limit:	Clause 5
Test Method:	EN 61000-3-3: 2013+A1:2019+A2:2021

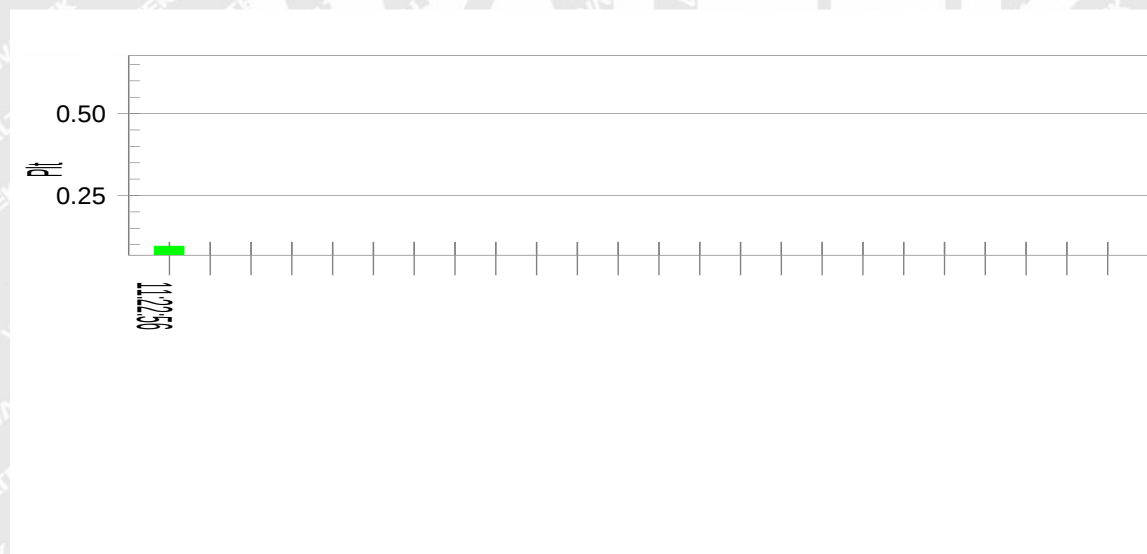
4.3.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

4.3.2 Basic Test Setup Block Diagram



4.3.3 Summary of Test Results

**Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)****Comment:** TM1**Customer:** Customer information**Test Result:** Pass**Status:** Test Completed**Pst_i and limit line****European Limits****Plt and limit line****Parameter values recorded during the test:****Vrms at the end of test (Volt):** 230.04**Highest dt (%):****T-max (mS):** 0**Highest dc (%):** 0.00**Highest dmax (%):** 0.00**Highest Pst (10 min. period):** 0.219**Highest Plt (2 hr. period):** 0.096**Test limit (%):****Test limit (mS):** 500.0 **Pass****Test limit (%):** 3.30 **Pass****Test limit (%):** 4.00 **Pass****Test limit:** 1.000 **Pass****Test limit:** 0.650 **Pass**



5. Immunity Test Results (EMS)

Performance Criteria Description in EN 55035

General Performance Criteria

Performance Criteria 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 Criteria 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 Criteria 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.



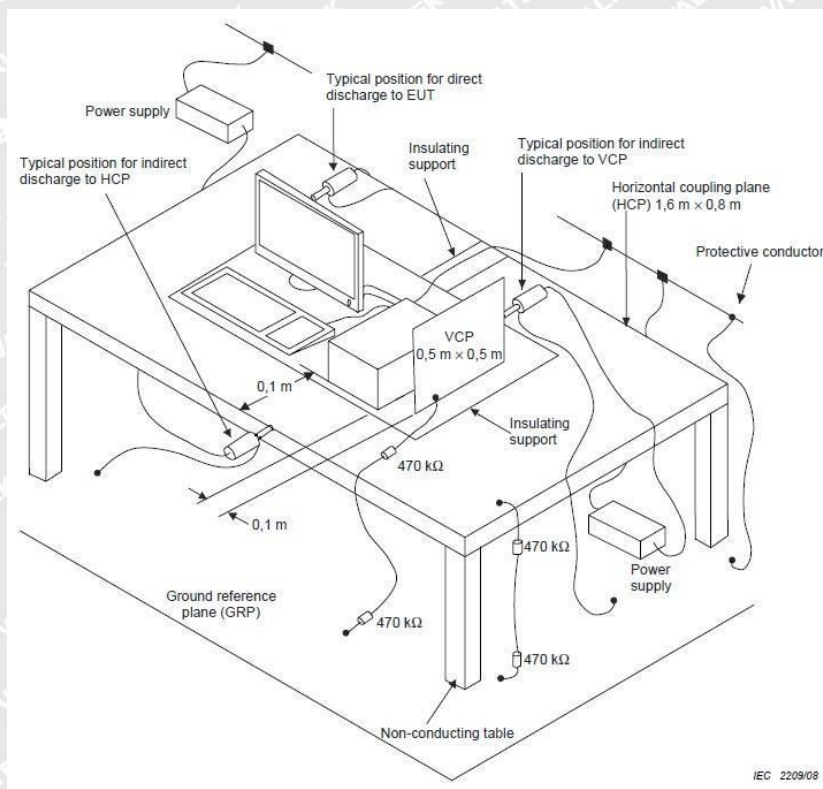
5.1 Electrostatic discharges

Test Requirement:	Contact Discharge: +/- 4kV Air Discharge: +/- 8kV
Test Method:	EN 61000-4-2: 2009
Procedure:	Discharge Impedance: 330Ω/150pF Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum
Performance Criteria:	B

5.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.1.2 Basic Test Setup Block Diagram





5.1.3 Summary of Test Results

Discharge type	Volt (kV)	Polarity	Test Point	Result/ Observations
Air discharge	2,4,8	+	1	A
Air discharge	2,4,8	-	1	A
Contact discharge	4	+	2	A
Contact discharge	4	-	2	A
Horizontal Coupling	4	+	3	A
Horizontal Coupling	4	-	3	A
Vertical Coupling	4	+	3	A
Vertical Coupling	4	-	3	A

Test Point: 1. All insulated enclosure and seams.

2. All accessible metal parts of the enclosure.

3. All side.

A: No degradation in the performance of the EUT was observed.

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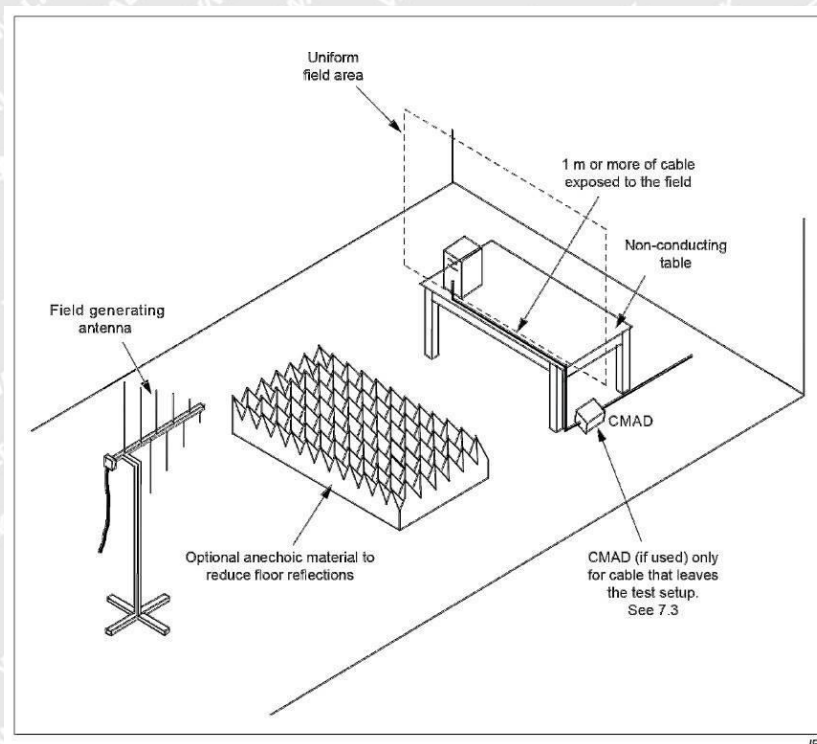
5.2 RF electromagnetic field disturbances

Test Requirement:	3V/m, 80%, 1kHz Amp. Mod.
Test Method:	EN IEC 61000-4-3: 2020
Procedure:	Frequency Range: 80MHz to 1GHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz, 80% Amp. Mod, 1% increment Dwell Time: 1s
Performance Criteria:	A

5.2.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.2.2 Basic Test Setup Block Diagram





5.2.3 Summary of Test Results

Frequency	Field Strength (V/m)	EUT face	Antenna Polaxis	Result/ Observations
80MHz-1GHz	3	Front	Horizontal, Vertical	A
80MHz-1GHz	3	Back	Horizontal, Vertical	A
80MHz-1GHz	3	Left	Horizontal, Vertical	A
80MHz-1GHz	3	Right	Horizontal, Vertical	A
1800MHz	3	Front	Horizontal, Vertical	A
1800MHz	3	Back	Horizontal, Vertical	A
1800MHz	3	Left	Horizontal, Vertical	A
1800MHz	3	Right	Horizontal, Vertical	A
2600MHz	3	Front	Horizontal, Vertical	A
2600MHz	3	Back	Horizontal, Vertical	A
2600MHz	3	Left	Horizontal, Vertical	A
2600MHz	3	Right	Horizontal, Vertical	A
3500MHz	3	Front	Horizontal, Vertical	A
3500MHz	3	Back	Horizontal, Vertical	A
3500MHz	3	Left	Horizontal, Vertical	A
3500MHz	3	Right	Horizontal, Vertical	A
5000MHz	3	Front	Horizontal, Vertical	A
5000MHz	3	Back	Horizontal, Vertical	A
5000MHz	3	Left	Horizontal, Vertical	A
5000MHz	3	Right	Horizontal, Vertical	A

A: No degradation in the performance of the EUT was observed.



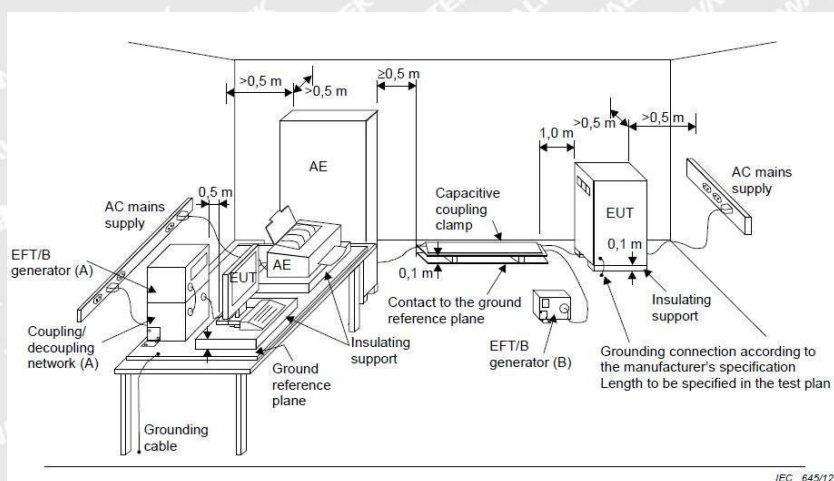
5.3 Electrical fast transients / burst for AC mains power ports

Test Requirement:	1kV; 5/50ns Tr/Th; 5kHz Repetition Frequency
Test Method:	EN 61000-4-4: 2012
Procedure:	Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level polarity
Performance Criteria:	B

5.3.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.3.2 Basic Test Setup Block Diagram



5.3.3 Summary of Test Results

Port	Votl (kV)	Polarity	CDN/ Clamp	Result/ Observations
AC power port	1	+	CDN	A
AC power port	1	-	CDN	A

A: No degradation in the performance of the EUT was observed.



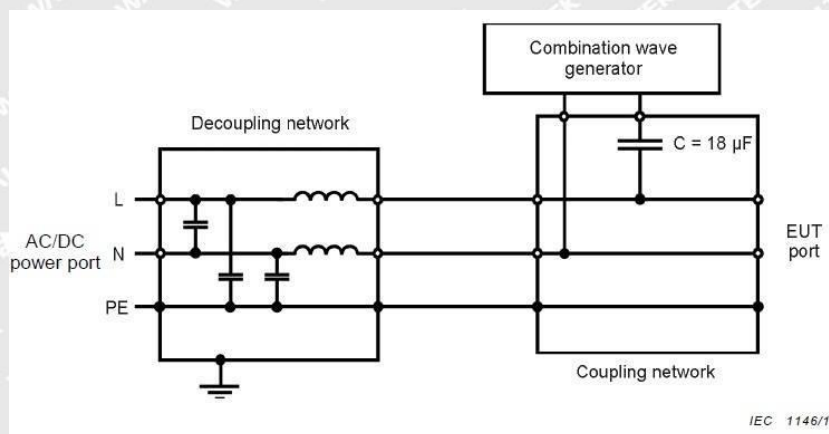
5.4 Surges for AC mains power ports

Test Requirement:	1.2/50 μ s Tr/Td; 1kV Line to Line
Test Method:	EN 61000-4-5: 2014 +A1: 2017
Procedure:	Interval: 60s between each surge No. of surges: 5 positive, 5 negative at 90°, 270°
Performance Criteria:	B

5.4.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.4.2 Basic Test Setup Block Diagram



5.4.3 Summary of Test Results

Port	Votl (kV)	Polarity	Phase(degree)	Result/ Observations
L-N	1	+	90°	A
L-N	1	-	270°	A

A: No degradation in the performance of the EUT was observed.



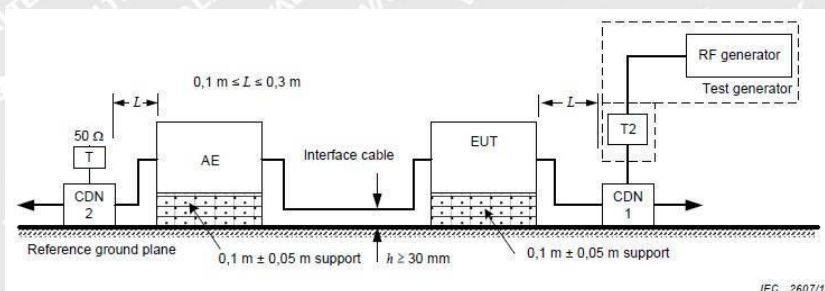
5.5 Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)

Test Requirement:	0,15 to 10MHz 3Vrms (emf), 10 to 30MHz 3V to 1Vrms(emf), 30 to 80MHz 1Vrms(emf), 80%,1kHz Amp. Mod.
Test Method:	EN 61000-4-6: 2014
Procedure:	Frequency Range: 0.15MHz to 80MHz Modulation: 80%, 1kHz Amplitude Modulation Step Size: 1%
Performance Criteria:	A

5.5.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.5.2 Basic Test Setup Block Diagram



5.5.3 Summary of Test Results

Port	Strength (Vrms)	CDN/Clamp	Dwell time	Result/ Observations
AC power port	3(0.15MHz-10MHz)	CDN	1s	A
AC power port	3 to 1(10MHz-30MHz, Lines)	CDN	1s	A
AC power port	1(30MHz-80MHz)	CDN	1s	A

A: No degradation in the performance of the EUT was observed.



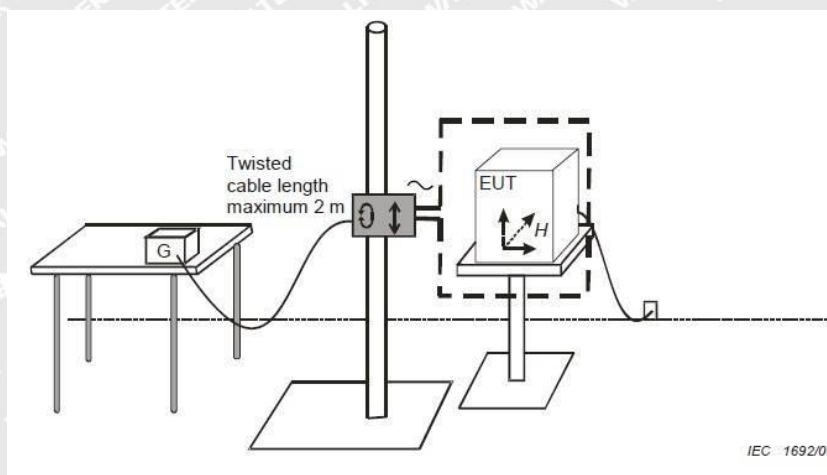
5.6 Power frequency magnetic field

Test Requirement:	50 or 60Hz, 1 A/m
Test Method:	EN 61000-4-8: 2010
Procedure:	50 or 60Hz, 1 A/m
Performance Criteria:	A

5.6.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.6.2 Basic Test Setup Block Diagram



5.6.3 Summary of Test Results

Frequency	Strength (A/m)	Axial	Magnetic Field Type	Result/ Observations
50Hz/ 60Hz	1	X	Continuous filed	A
50Hz/ 60Hz	1	Y	Continuous filed	A
50Hz/ 60Hz	1	Z	Continuous filed	A

A: No degradation in the performance of the EUT was observed.



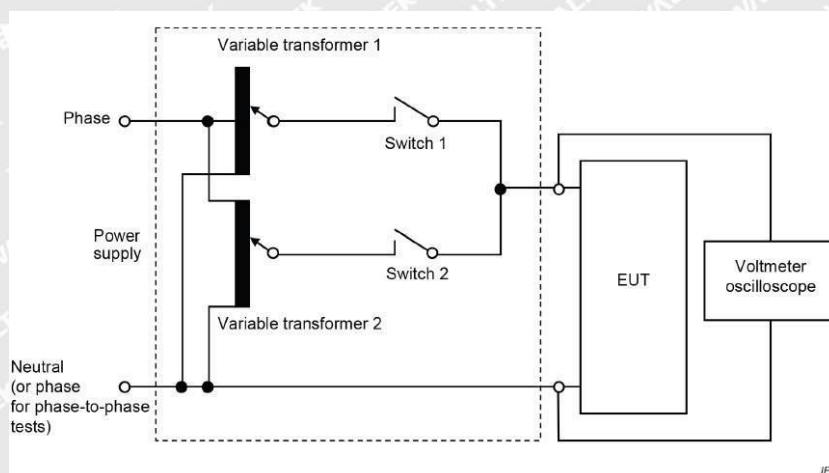
5.7 Voltage dips and interruptions

Test Requirement:	5% residual voltage for 0.5 periods 70% residual voltage for 25 periods 5% residual voltage for 250 periods
Test Method:	EN IEC 61000-4-11:2020
Procedure:	5% residual voltage for 0.5 period 70% residual voltage for 25 period 5% residual voltage for 250 period No. of Dips / Interruptions: 3 per Level Time between dropout: 10s
Performance Criteria:	B, C

5.7.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	997 mbar
Test mode:	TM1

5.7.2 Basic Test Setup Block Diagram



5.7.3 Summary of Test Results

Level %UT	Phase (degree)	Duration	No. of Dips/ Interruptions	Result/ Observations
0	0°	0.5 Cycles	3	A
0	0°	250 Cycles	3	A
70	0°	25 Cycles	3	A

A: No degradation in the performance of the EUT was observed.



6. EXHIBIT 1 - PRODUCT LABELING

6.1 Proposed Label Format

Audio capture box

Model: ezcap241

Brand: ezcap

Importer Name: XXX

Importer Address: XXX

Shenzhen Forward Video Technology Co., Ltd

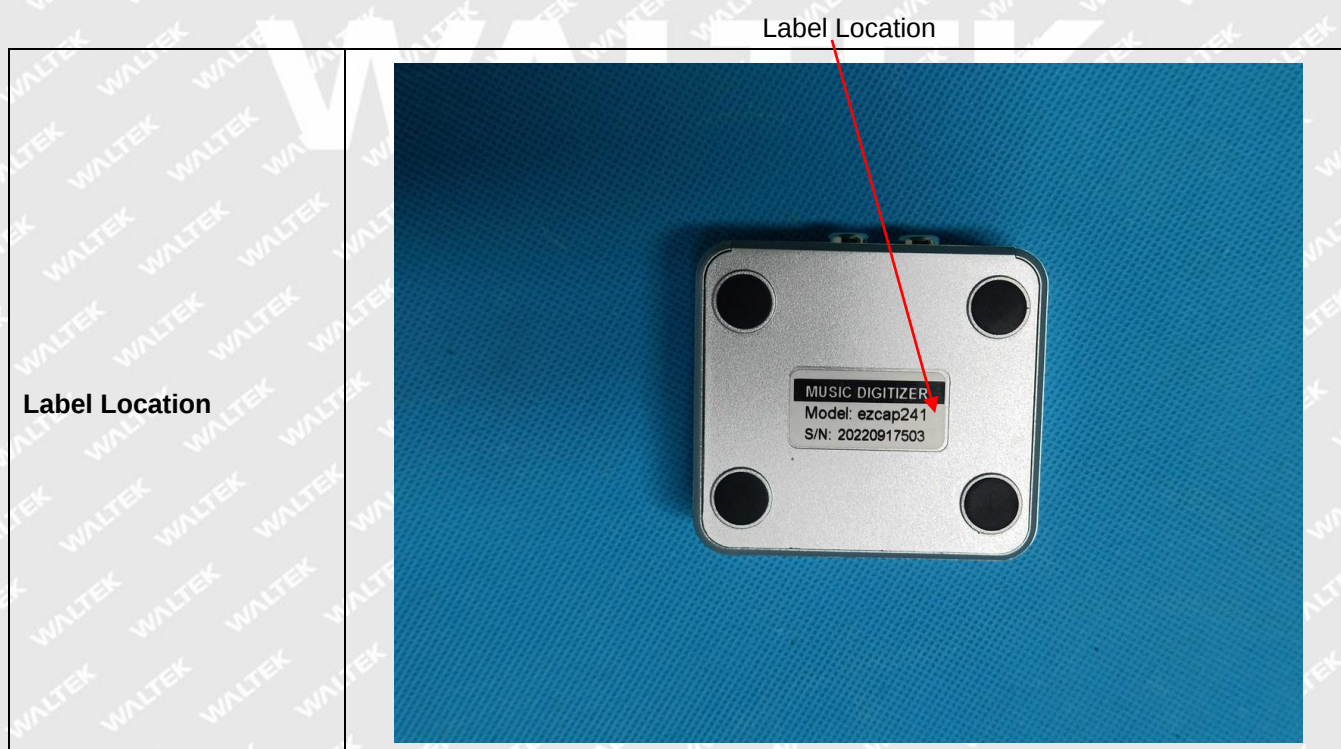
7 / F, West Building A, Huilongda Industrial Park,

Shilongzai, Shiyan Town, Baoan District, Shenzhen



Specifications: Text is Black in color and is justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT. The 'CE' marking must be affixed to the EUT or to its data plate. Where this is not possible or not warranted on account of the nature of the apparatus, it must be affixed to the packaging, if any, and to the accompanying documents. The 'CE' marking must have a height of at least 5 mm. If the 'CE' marking is reduced or enlarged the proportions given in the above graduated drawing must be respected. The Importer name, address and Manufacturer name and address should indicate on marking label or packaging or in a document accompanying.

6.2 Proposed Label Location of EUT





7. EXHIBIT 2 - EUT PHOTOGRAPHS

External



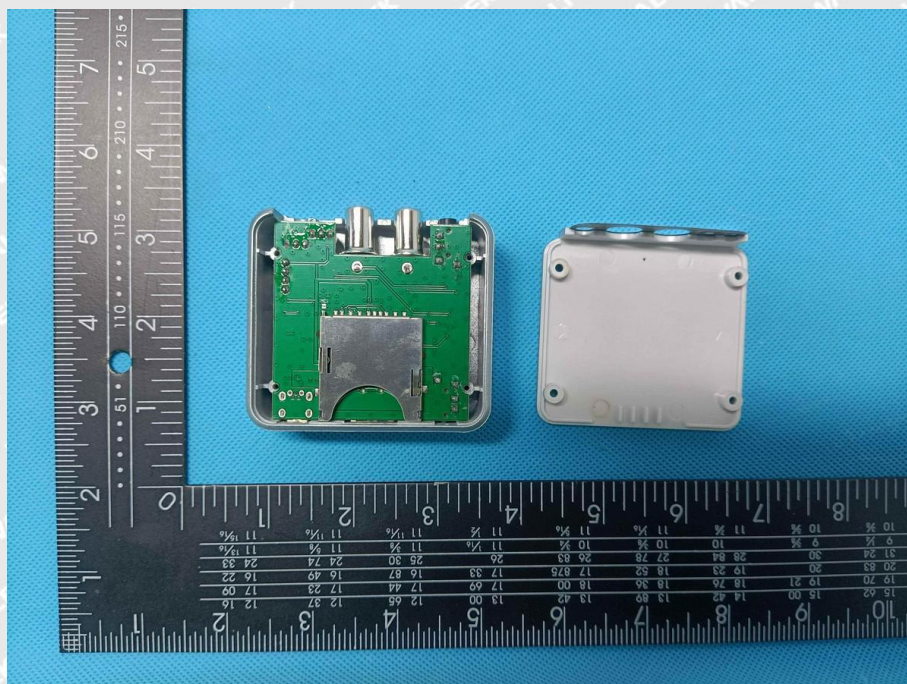
Reference No.: WTX22X12242404E



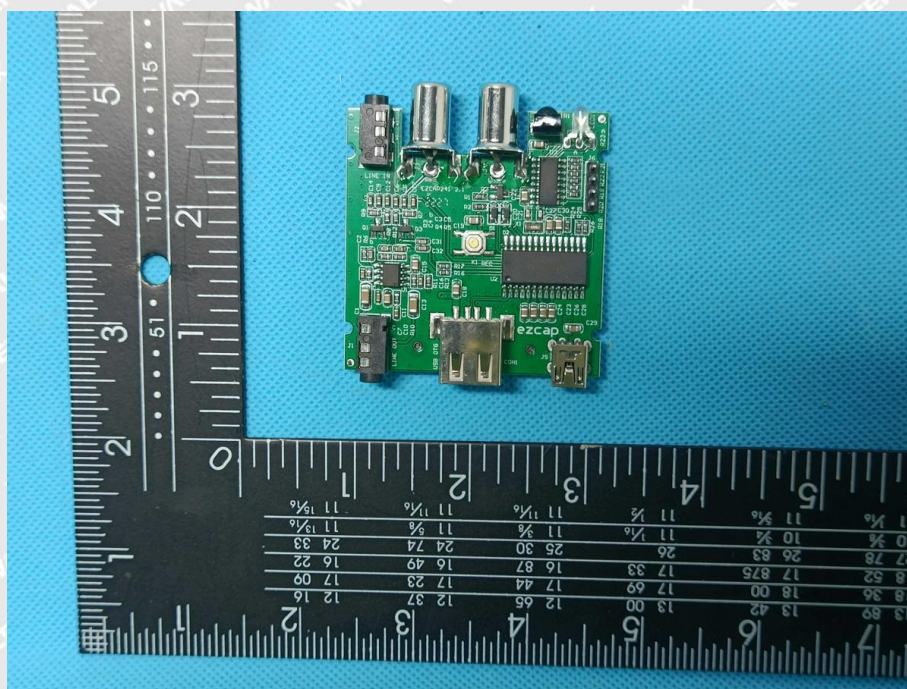
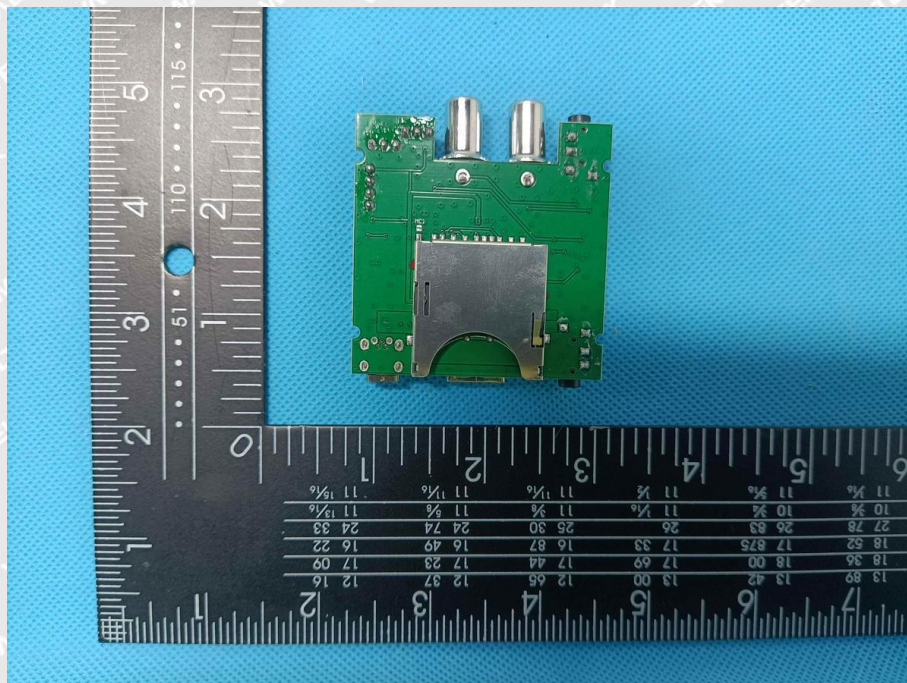




Internal



Reference No.: WTX22X12242404E



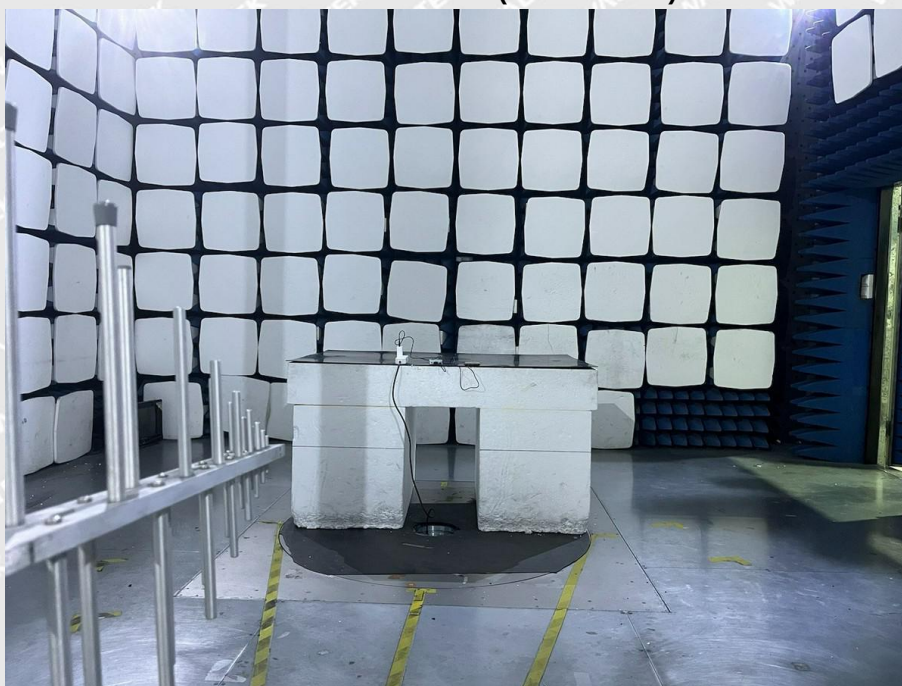


8. EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conducted emissions from AC mains power ports (150kHz-30MHz)



Radiated emissions (30MHz-1GHz)





Voltage fluctuations and flicker

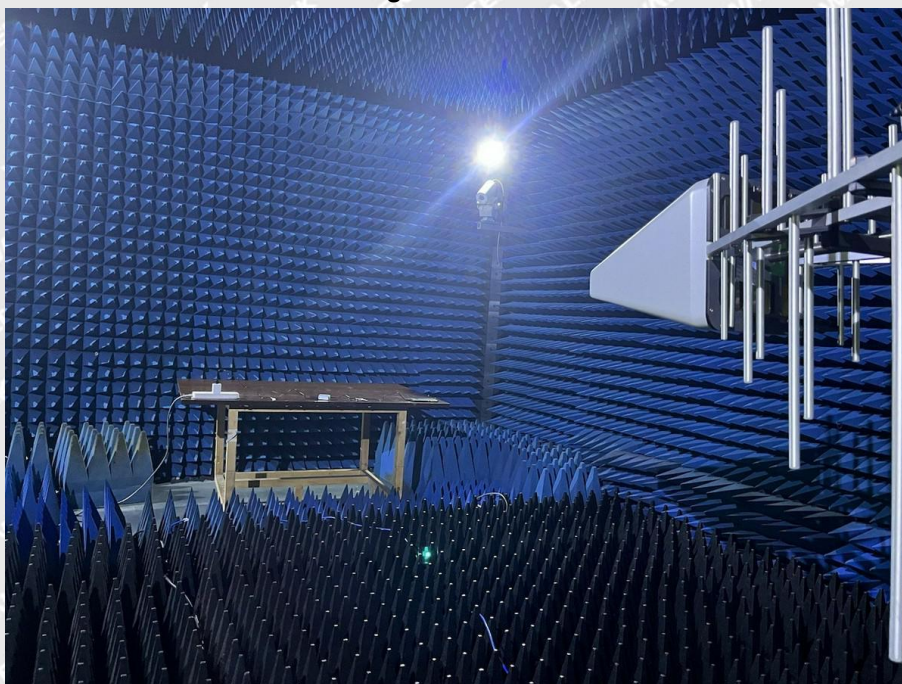


Electrostatic discharges





RF electromagnetic field disturbances



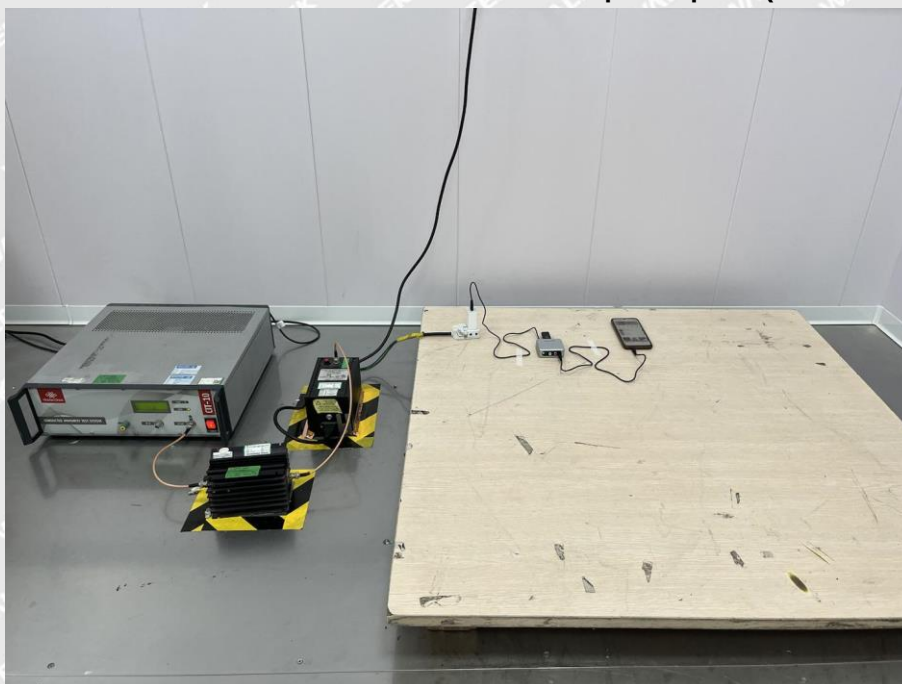
Electrical fast transients / burst for AC mains power ports Surges for AC mains power ports Voltage dips and interruptions



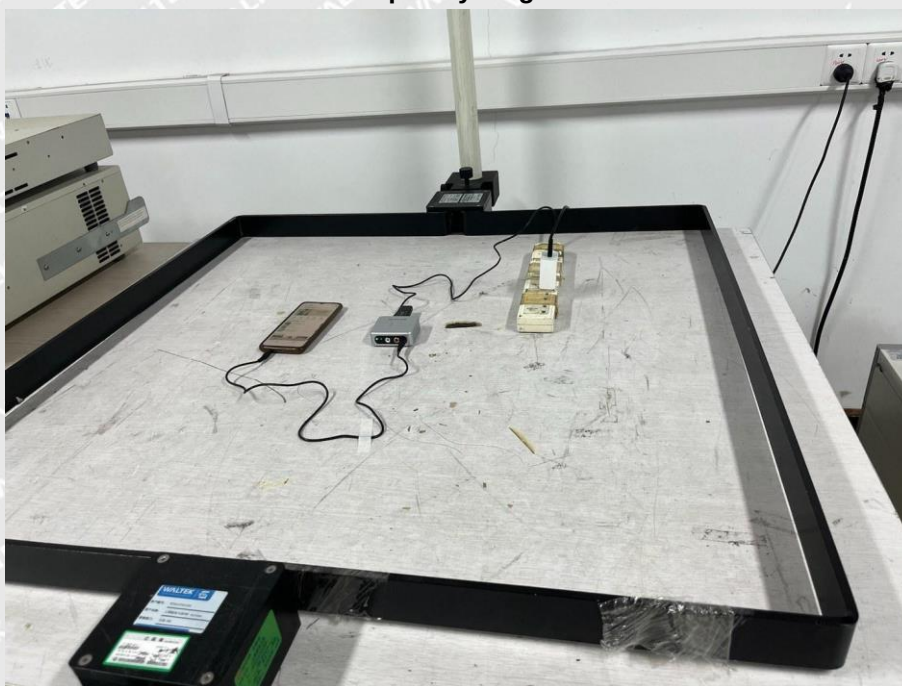
Reference No.: WTX22X12242404E



Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)



Power frequency magnetic field



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