TEST REPORT

Reference No.	:	WTX24X01022419X1E
Applicant	:	Xingan Shunying Electronics Co., LTD
Address	:	Qiligang grain Station, Qiqin Town, Xingan County, Ji 'an City, Jiangxi Province
Manufacturer	:	Xingan Shunying Electronics Co., LTD
Address	:	Qiligang grain Station, Qiqin Town, Xingan County, Ji 'an City, Jiangxi Province
Product Name	:	luggage and bags USB+PD Charging interface
Model No.	:	USB+PDDual Interface
Standards	:	**EN 55032:2015+A1:2020** **EN 55035:2017+A11:2020**
Date of Receipt sample	:	2024-01-31
Date of Test	:	2024-01-31 to 2024-02-02
Date of Issue	:	2024-02-19
Test Report Form No.	:	WTX_EN 55032_2015_B
Test Result	:	**Pass**

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.

Prepared By:

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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Tested by:

Toby Zhang

Approved by:

Evan Cai

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Report version

Version No.	Date of issue	Description
Rev.00	2024-02-02	Original report WTX24X01022419E.
Rev.01	2024-02-19	This report replaces the original report WTX24X01022419E, which is invalid, Increase rated current Rated power

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Factory name: Xingan Shunying Electronics Co., LTD

Factory address: Qiligang grain Station, Qiqin Town, Xingan County, Ji 'an City, Jiangxi Province

General Description of EUT	
Product Name:	luggage and bags USB+PD Charging interface
Trade Name:	/
Model No.:	USB+PDDual Interface
Adding Model(s):	oneUSB interface
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 USB+PDDual Interface, but the circuit and the electronic construction do not change, declared by the manufacturer.	

Technical Characteristics of EUT	
Power Supply:	Input: 5V/2A
Power Adaptor:	/
Cable:	Charger line *1 (length 0.39m, Unshielded, without Ferrite, without chip)
Rated Power:	Output power: 10W
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 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

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	DC 5V(with a computer input)

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Mobile phone	HUAWEI	HUAWEI Mate 30 Pro 5G	/
Mobile phone	Xiaomi	Xiaomi 12S Pro	/
Notebook	Lenovo	E445	0C62707

1.5 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Emissions (30M - 1000MHz)	±5.56dB

1.6 Test Equipment List and Details

Radiated emissions (30MHz-1GHz)					
Description	**Manufacturer**	**Model**	**Serial No.**	**Cal. Date**	**Due. Date**
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2023-02-25	2024-02-24
Amplifier	Agilent	8447D	2944A10457	2023-02-25	2024-02-24
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2024-04-08
EMI Test Software (Radiated Emission B)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)	/	/

Electrostatic discharges					
Description	**Manufacturer**	**Model**	**Serial No.**	**Cal. Date**	**Due. Date**
ESD Generator	LIONCEL	ESD-203B	0170901	2023-03-14	2024-03-13

RF electromagnetic field disturbances					
Description	**Manufacturer**	**Model**	**Serial No.**	**Cal. Date**	**Due. Date**
Power Meter	Agilent	E4419B	GB42420578	2023-02-25	2024-02-24
Antenna	SCHWARZBECK	STLP 9129	9129 114	/	/
RF Power Amplifier	MicoTop	MPA-1000-6000-100	MPA1906238	2023-02-25	2024-02-24
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2023-02-25	2024-02-24
Power Sensor	Agilent	E9304A	MY55081055	2023-02-25	2024-02-24
Power Sensor	Agilent	E9301A	MY52450001	2023-02-25	2024-02-24
Signal Generator	HP	8665B	3438A00604	2023-02-25	2024-02-24
Test Software (Radio frequency electromagnetic Field)	EMtrace	EM3	V1.2.6.2	/	/

Power frequency magnetic field					
Description	**Manufacturer**	**Model**	**Serial No.**	**Cal. Date**	**Due. Date**
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2023-02-25	2024-02-24
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2023-02-25	2024-02-24
PMF Generator	LIONCEL	PMF-801C-C	0171101	2023-02-25	2024-02-24

2. SUMMARY OF TEST RESULTS

Item	Standard	Method	Result
Radiated emissions (30MHz-1GHz)	EN 55032:2015+A1:2020	Clause 7.3 of CISPR 16-2-3:2016	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
Power frequency magnetic field	EN 55035:2017+A11:2020	EN 61000-4-8: 2010	Compliant

3. Emission Test Results (EMI)

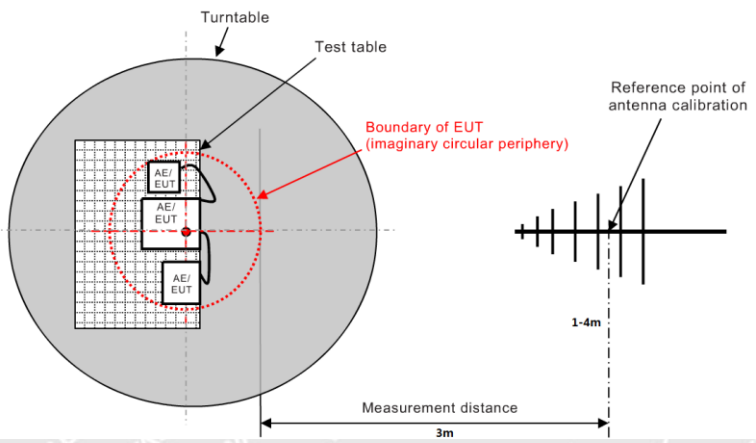
3.1 Radiated emissions (30MHz-1GHz)

Test Requirement:	Class B
Test Limit:	**Frequency (MHz)** / **Limit [dB(uV/m) at 10m]** / **Limit [dB(uV/m) at 3m]** 30 to 230 / 30 / 40 230 to 1000 / 37 / 47 Detector: / Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz
Test Method:	Clause 7.3 of CISPR 16-2-3:2016
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

3.1.1 E.U.T. Operation

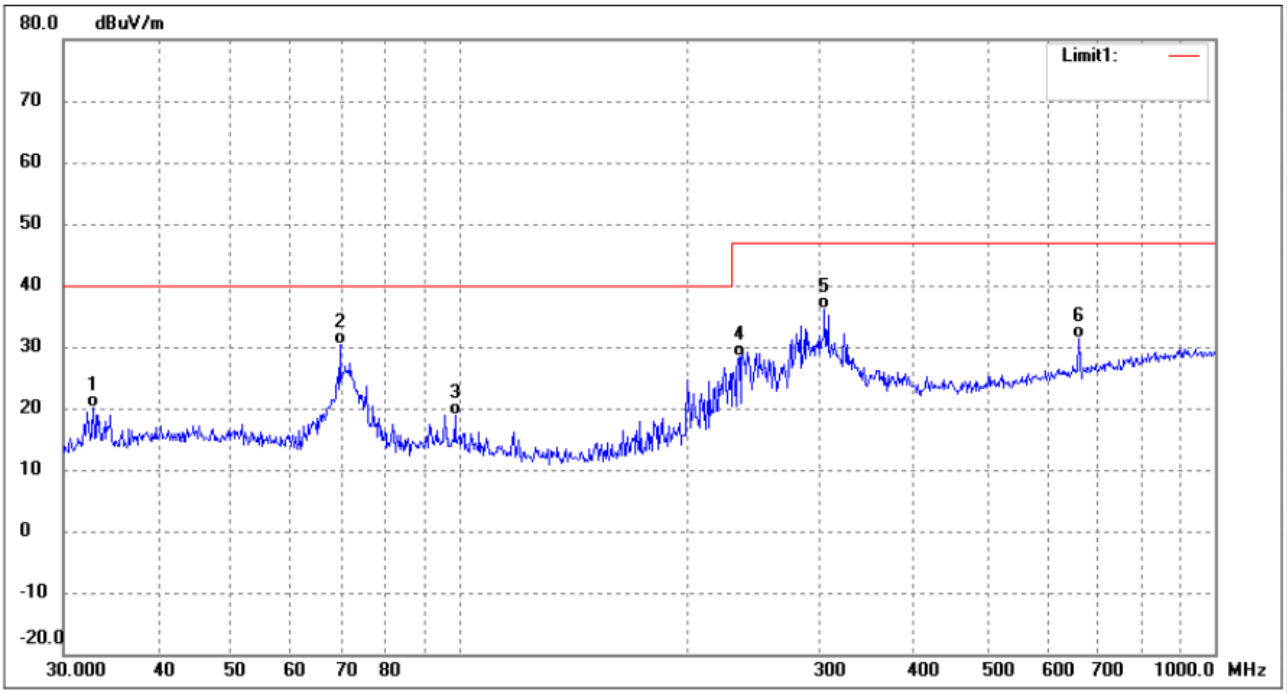
Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	998 mbar
Test mode:	TM1

3.1.2 Basic Test Setup Block Diagram



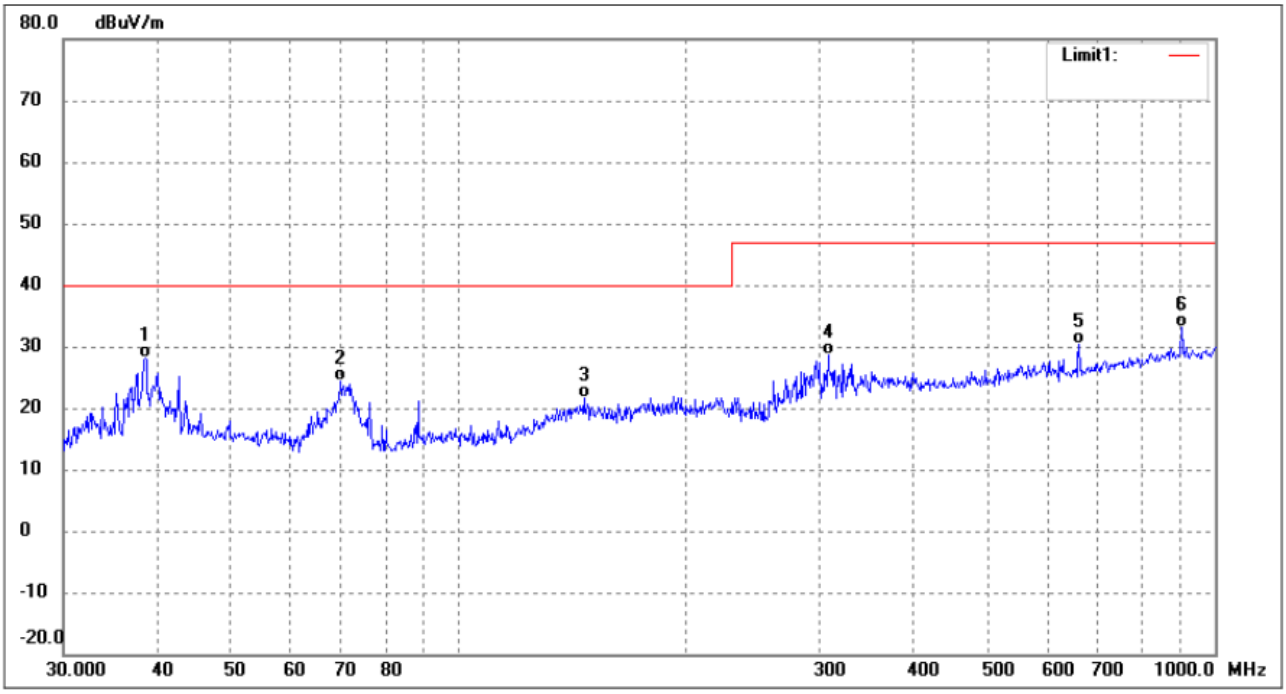
3.1.3 Summary of Test Results

TM1 / Polarization: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	32.8637	32.29	-12.21	20.08	40.00	-19.92	QP
2	69.6005	45.79	-15.41	30.38	40.00	-9.62	QP
3	98.8326	31.08	-12.25	18.83	40.00	-21.17	QP
4	234.9909	39.24	-10.76	28.48	47.00	-18.52	QP
5	304.6099	44.29	-8.18	36.11	47.00	-10.89	QP
6	661.1505	32.91	-1.62	31.29	47.00	-15.71	QP

TM1 / Polarization: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	38.4809	39.38	-11.20	28.18	40.00	-11.82	QP
2	69.8450	39.87	-15.48	24.39	40.00	-15.61	QP
3	146.3735	36.85	-15.12	21.73	40.00	-18.27	QP
4	307.8313	36.82	-8.08	28.74	47.00	-18.26	QP
5	661.1505	31.88	-1.62	30.26	47.00	-16.74	QP
6	903.3094	31.44	1.70	33.14	47.00	-13.86	QP

4. 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.

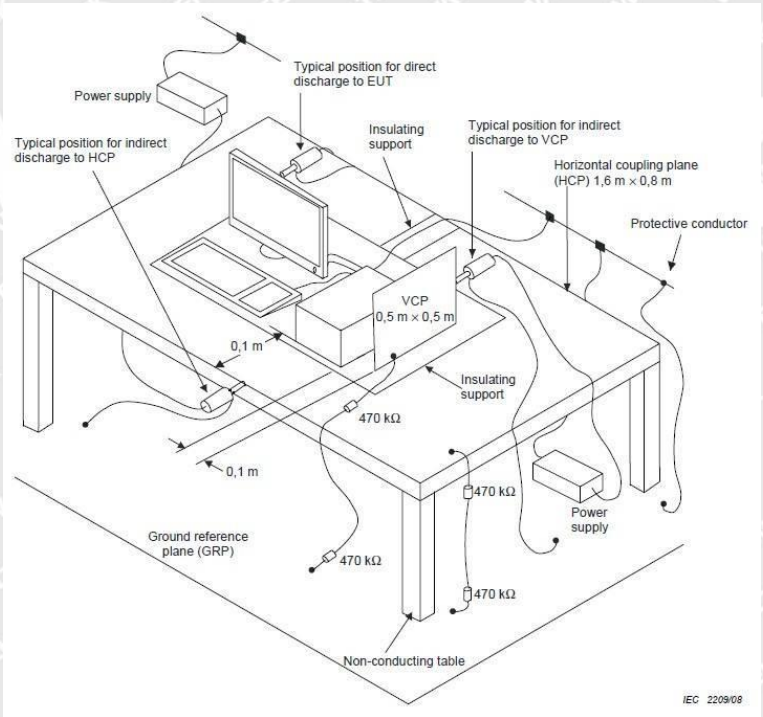
4.1 Electrostatic discharges

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

4.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	998 mbar
Test mode:	TM1

4.1.2 Basic Test Setup Block Diagram



4.1.3 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	N/A
Contact discharge	4	-	2	N/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.

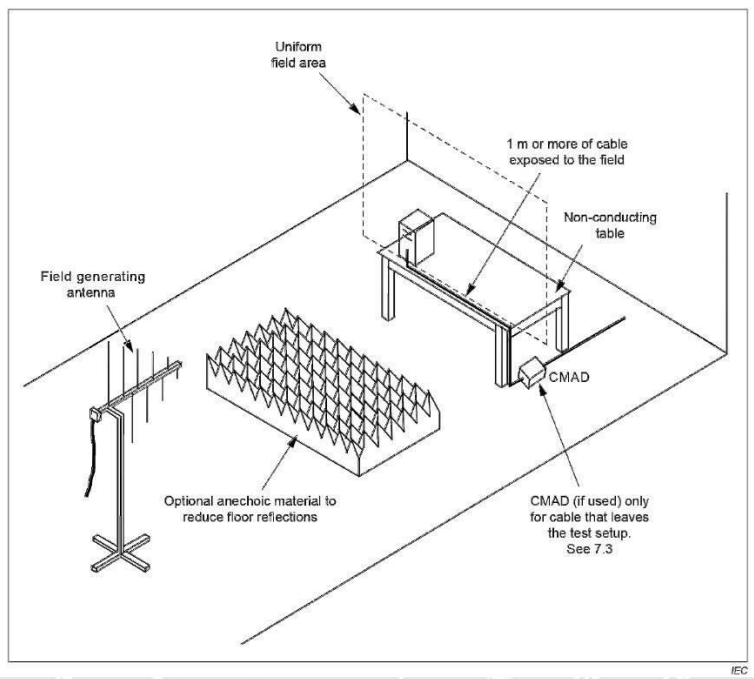
4.2 RF electromagnetic field disturbances

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
Performance Criteria:	A

4.2.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	53 %
Atmospheric Pressure:	998 mbar
Test mode:	TM1

4.2.2 Basic Test Setup Block Diagram



4.2.3 Summary of Test Results

Frequency	Field Strength (V/m)	EUT face	Dwell time	Result/ Observations
80MHz-1GHz	3	Front	1s	A
80MHz-1GHz	3	Back	1s	A
80MHz-1GHz	3	Left	1s	A
80MHz-1GHz	3	Right	1s	A
80MHz-1GHz	3	Top	1s	A
80MHz-1GHz	3	Bottom	1s	A
1800MHz	3	Front	1s	A
1800MHz	3	Back	1s	A
1800MHz	3	Left	1s	A
1800MHz	3	Right	1s	A
1800MHz	3	Top	1s	A
1800MHz	3	Bottom	1s	A
2600MHz	3	Front	1s	A
2600MHz	3	Back	1s	A
2600MHz	3	Left	1s	A
2600MHz	3	Right	1s	A
2600MHz	3	Top	1s	A
2600MHz	3	Bottom	1s	A
3500MHz	3	Front	1s	A
3500MHz	3	Back	1s	A
3500MHz	3	Left	1s	A
3500MHz	3	Right	1s	A
3500MHz	3	Top	1s	A
3500MHz	3	Bottom	1s	A
5000MHz	3	Front	1s	A
5000MHz	3	Back	1s	A
5000MHz	3	Left	1s	A
5000MHz	3	Right	1s	A
5000MHz	3	Top	1s	A
5000MHz	3	Bottom	1s	A

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

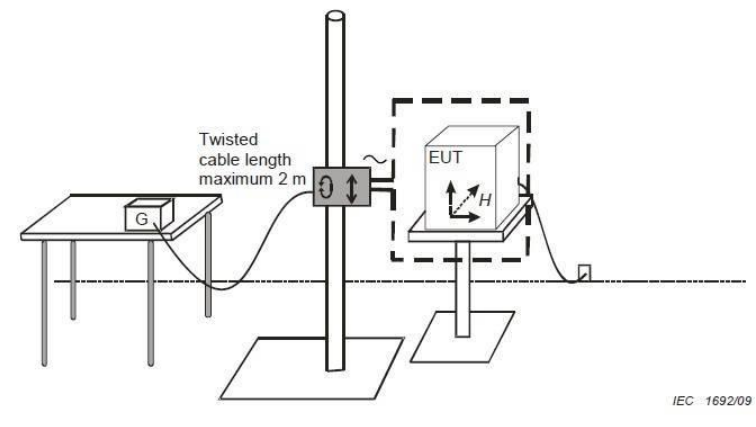
4.3 Power frequency magnetic field

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

4.3.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	53 %
Atmospheric Pressure:	998 mbar
Test mode:	TM1

4.3.2 Basic Test Setup Block Diagram



4.3.3 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.

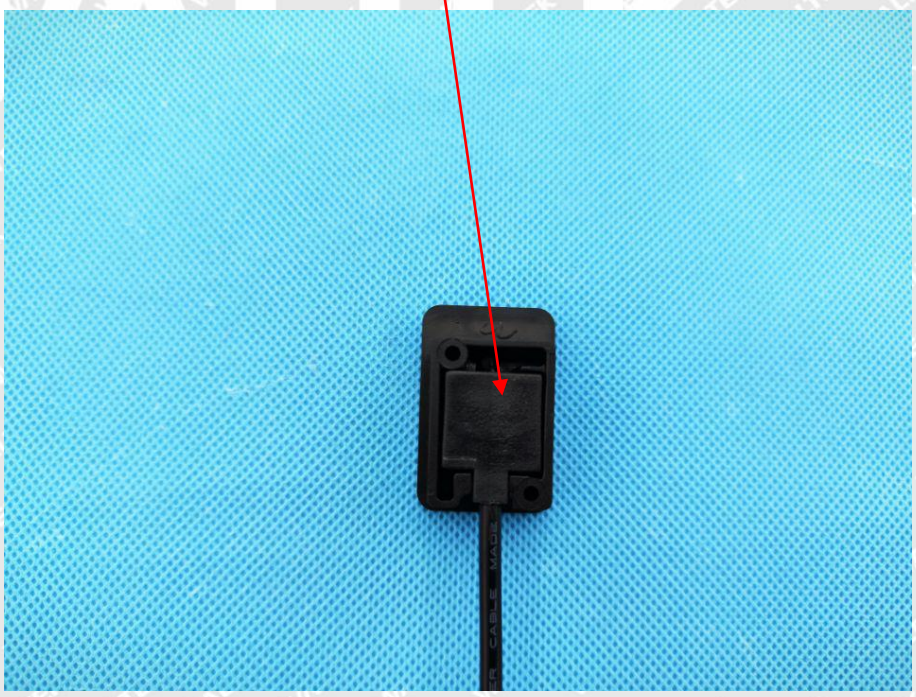
5. EXHIBIT 1 - PRODUCT LABELING

5.1 Proposed Label Format

luggage and bags USB+PD Charging interface
Model: USB+PDDual Interface
Brand: /
Importer Name: XXX
Importer Address: XXX
Xingan Shunying Electronics Co., LTD
Qiligang grain Station, Qiqin Town, Xingan County,
Ji 'an City, Jiangxi Province

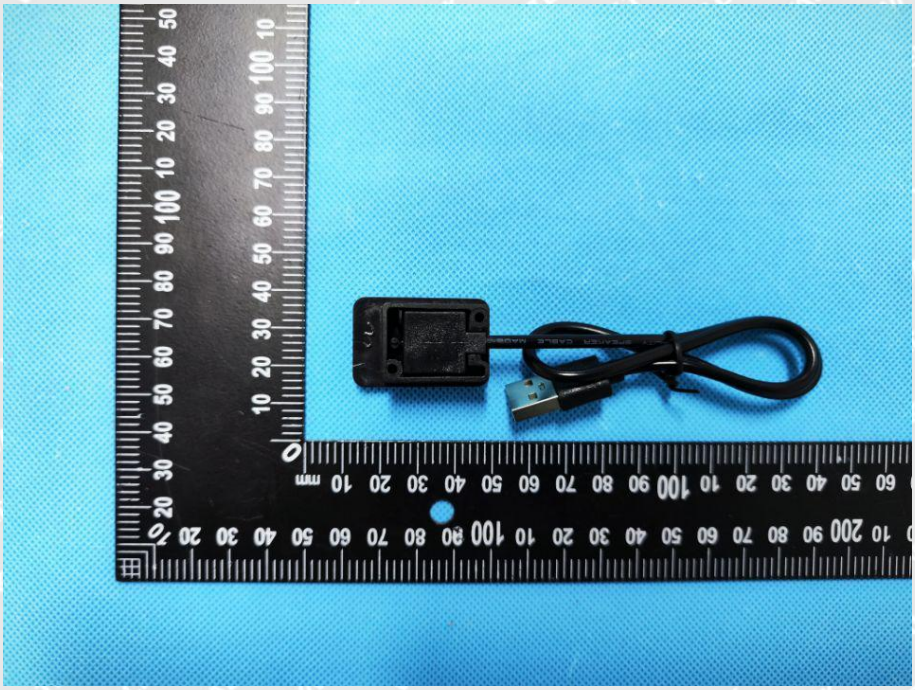
Specifications: Text is Black in color and is justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT. The ‘CE’ marking must be affixed to the EUT or to its data plate. Where this is not possible 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.

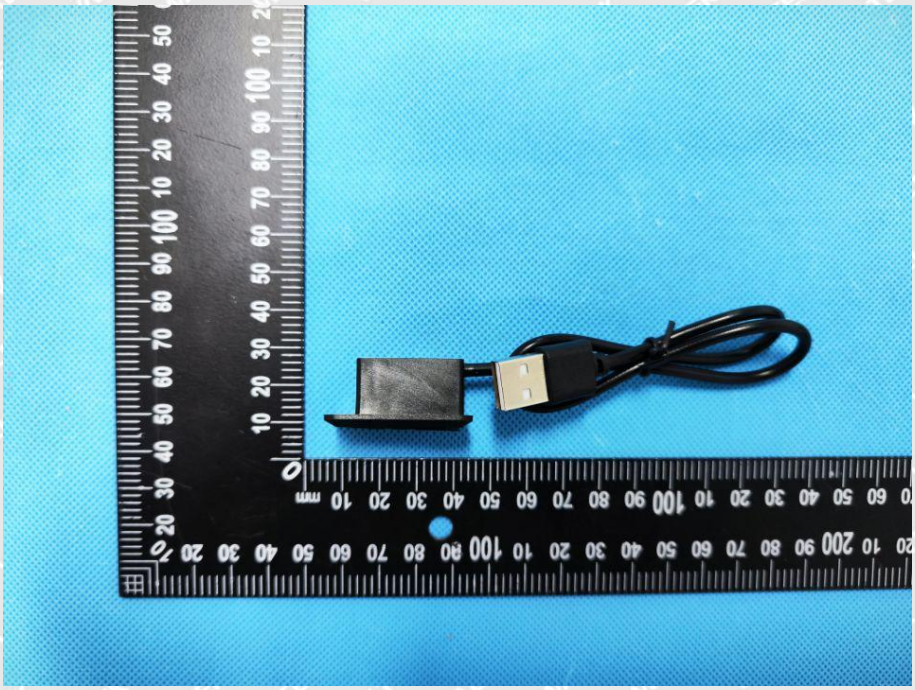
5.2 Proposed Label Location of EUT

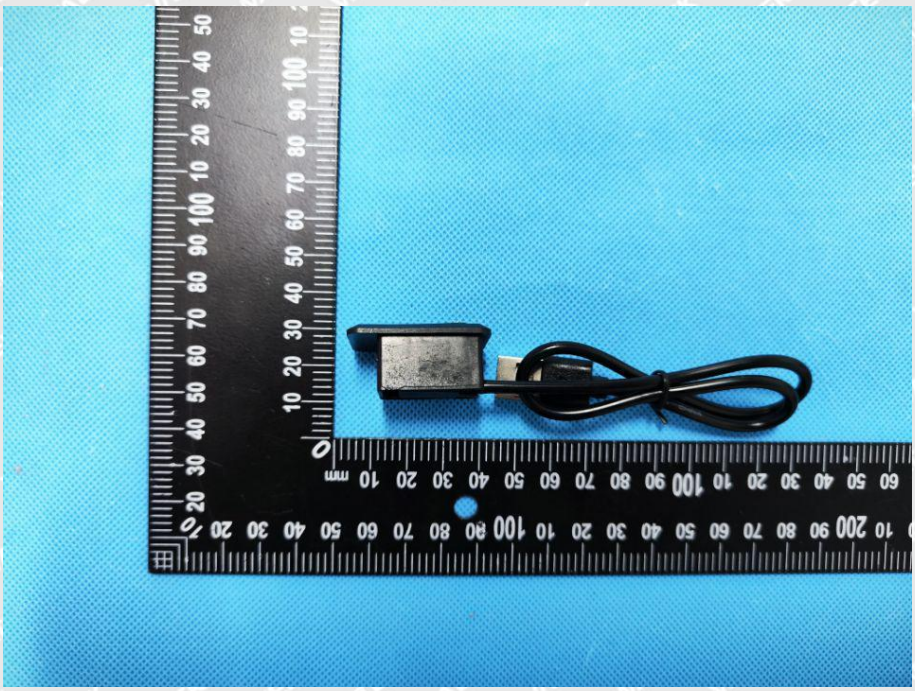
Label Location	

6. EXHIBIT 2 - EUT PHOTOGRAPHS

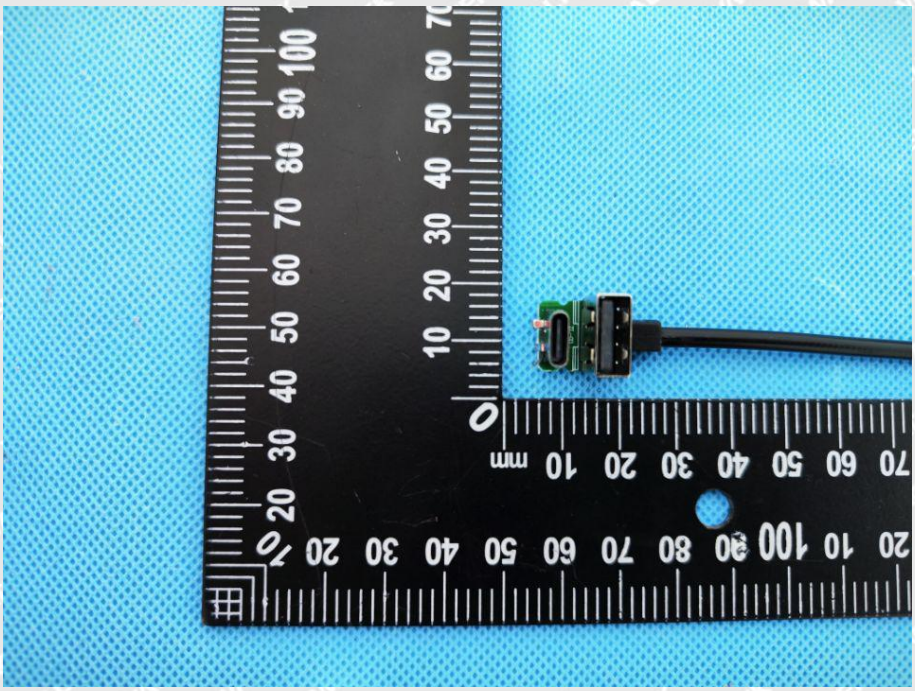
External

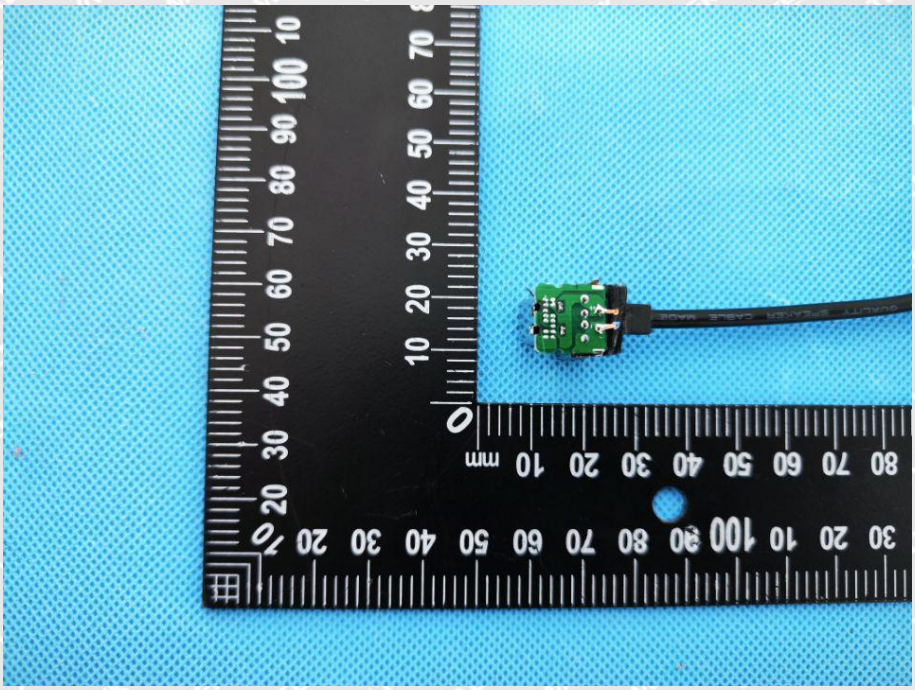






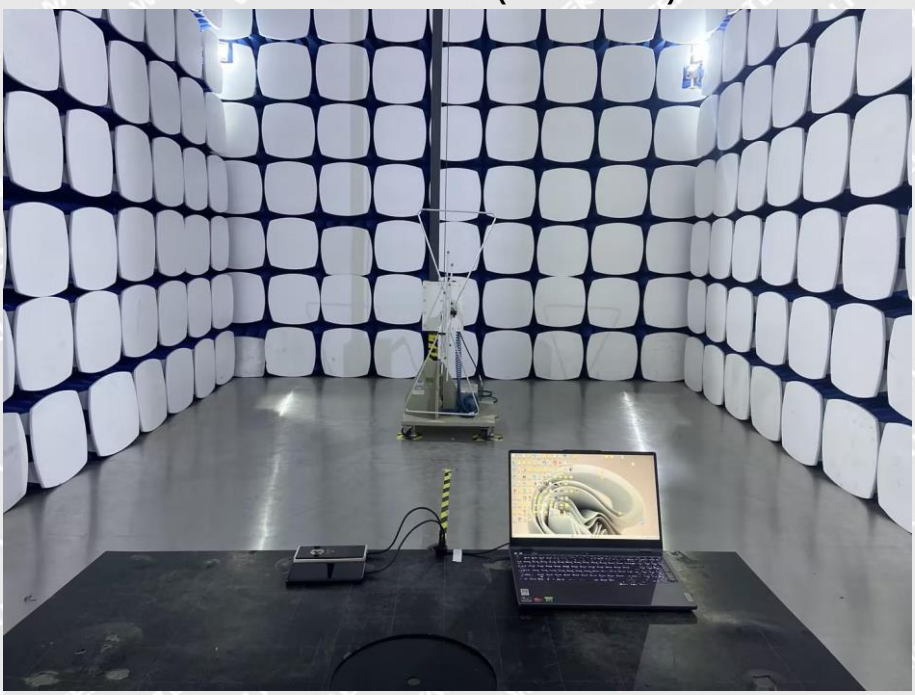
Internal



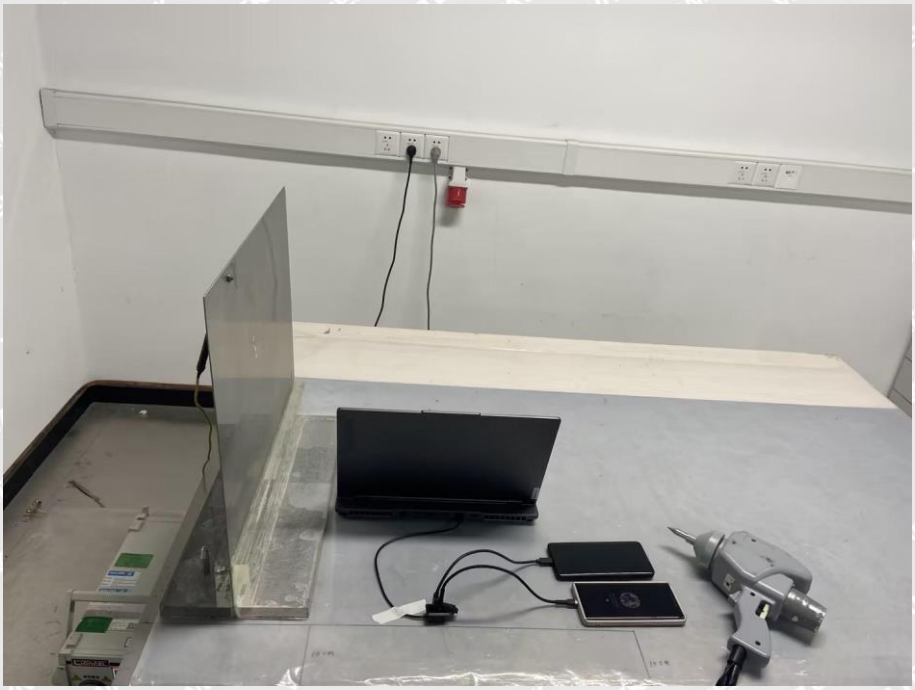


7. EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

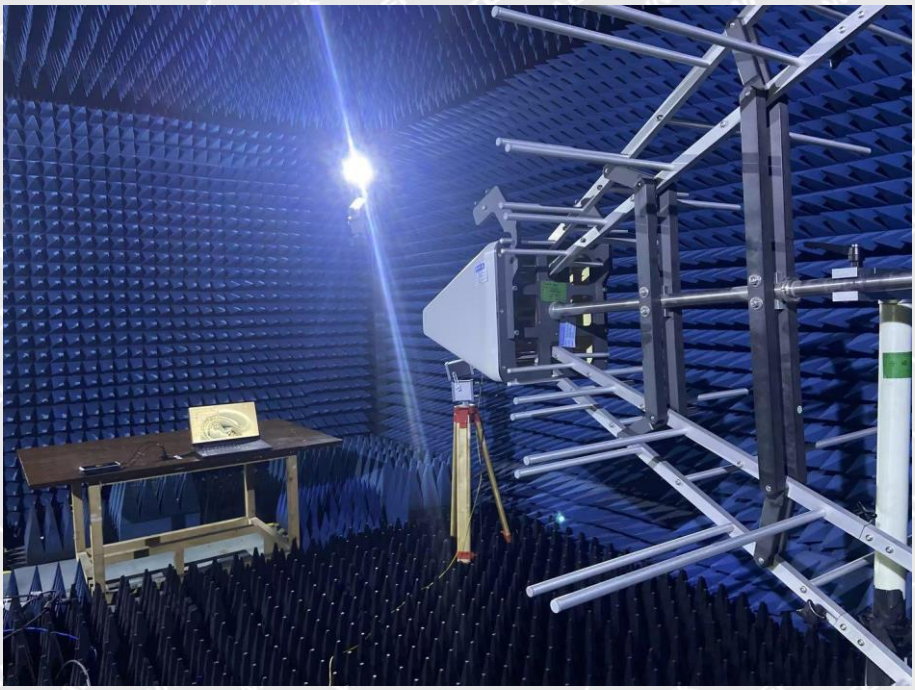
Radiated emissions (30MHz-1GHz)



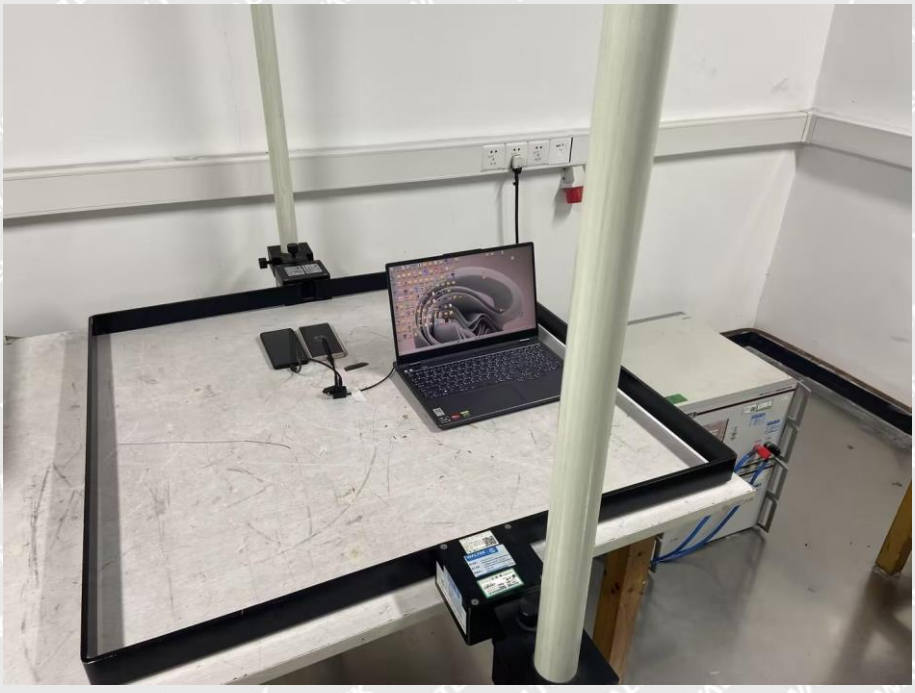
Electrostatic discharges



RF electromagnetic field disturbances



Power frequency magnetic field



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