

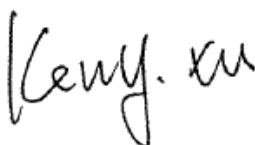
# TEST REPORT

**Application No.:** SZEM2011011050ET(SGS SZ No.:T52010310004EM)  
**Applicant:** Tiny Love Ltd  
**Address of Applicant:** Korendijk 5, NL-5704 RD, Helmond  
**Buyer:** Tiny Love  
**Vendro:** Winfield  
**Equipment Under Test (EUT):**  
**EUT Name:** BOHO CHIC TINY DREAMER  
**Item No.:** 130680E001  
**Labelled Age Grading:** 0M+  
**Country of Origin:** China  
**Standard(s) :** EN 55014-1:2017  
 EN 55014-2:2015  
 EN IEC 61000-3-2:2019  
 EN 61000-3-3:2013+A1:2019  
**Date of Receipt:** 2020-11-03  
**Date of Test:** 2020-11-04 to 2020-11-08  
**Date of Issue:** 2020-11-13

<b>Test Result:</b>	<b>Pass*</b>
---------------------	--------------

\* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Keny Xu  
 EMC Laboratory Manager



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<i>Revision Record</i>				
<i>Version</i>	<i>Chapter</i>	<i>Date</i>	<i>Modifier</i>	<i>Remark</i>
01		2020-11-13		Original

<b>Authorized for issue by:</b>			
			
		<hr/> <b>Gebin Sun /Project Engineer</b>	
			
		<hr/> <b>Eric Fu /Reviewer</b>	



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## 2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	EN 55014-1:2017	CISPR 16-2-1	EN 55014-1:2017	Pass
Radiated Emissions (30MHz-1GHz)	EN 55014-1:2017	CISPR 16-2-3	EN 55014-1:2017	Pass
Harmonic Current Emission	EN IEC 61000-3-2:2019	EN IEC 61000-3-2:2019	Class A	Pass
Voltage Fluctuations and Flicker	EN 61000-3-3:2013+A1:2019	EN 61000-3-3:2013+A1:2019	Clause 5 of EN 61000-3-3	Pass

N/A: Not applicable

Immunity Part				
Item	Standard	Method	Requirement	Result
Electrostatic Discharge	EN 55014-2:2015	EN 61000-4-2:2009	4kV Contact Discharge 8kV Air Discharge	Pass
Electrical Fast Transients/Burst at Power Port	EN 55014-2:2015	EN 61000-4-4:2012	1kV 5/50ns Tr/Td 5kHz Repetition Frequency	Pass
Surge at Power Port	EN 55014-2:2015	EN 61000-4-5:2014 +A1:2017	1.2/50µs Tr/Td 1kV Line to Line 2kV Line to Ground	Pass
Voltage Dips and Interruptions	EN 55014-2:2015	EN 61000-4-11:2004 +A1:2017	0 % UT for 0.5per 40 % UT for 10per 70 % UT for 25per UT is Supply Voltage	Pass
Conducted Immunity at Power Port (150kHz-230MHz)	EN 55014-2:2015	EN 61000-4-6:2014	3Vrms (emf),80%,1kHz Amp. Mod.	Pass



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## 4 General Information

### 4.1 Details of E.U.T.

Power Supply:	3.7V DC(1 x 3.7V Rechargeable battery) Charge by DC 5V
Cable:	USB cable:150cm unshielded

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	Supplied by client	ZAU-F050055A-01	N/A

### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
2	Radiated Emission	± 4.5dB (30MHz-1GHz)
3	Harmonics & Flicker	± 0.068dB
4	Conducted Immunity	± 0.96dB
5	ESD	± 6 %
6	EFT (Electrical Fast Transients)	± 5 %
7	Surge Immunity	± 5 %
8	Voltage Dips and Interruptions	± 4 %
8	Temperature test	± 1°C
9	Humidity test	± 3%



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#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

Address 1: No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Address 2: Room 105, Building A, Xinlong Technology Industrial Park, No. 50 Fengtang Road, Xintian Community, Fuyong Street, Bao'an District, Shenzhen, China

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None

#### 4.8 Monitoring of EUT for All Immunity Test

Visual: Monitored the flash and light of the EUT

Audio: Monitored the sound of the EUT



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## 5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ChangZhou ZhongYu	GB-88	SEM001-06	2019-06-13	2022-06-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2020-07-10	2021-07-09
LISN	Rohde & Schwarz	ENV216	SEM007-01	2020-09-23	2021-09-22
LISN	ETS-LINDGREN	3816/2	SEM007-02	2020-04-01	2021-03-31
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2020-03-24	2021-03-23

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2020-07-10	2021-07-09
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-15	2020-11-02	2021-11-01
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-02	2019-05-24	2022-05-23
Pre-amplifier	Agilent Technologies	8447D	SEM005-01	2020-04-01	2021-03-31

Voltage Fluctuations and Flicker					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
AC Power Source	California Instruments	5001ix	SEM016-02	2020-04-09	2021-04-08
Power Analyzer	California Instruments	PACS-1	SEM016-01	2020-04-09	2021-04-08
Measurement Software	California Instruments	CTS 4 V4.24.0	N/A	N/A	N/A

Electrostatic Discharge					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
ESD Ground Plane	SGS(3m*3m)	N/A	SEN006-01	N/A	N/A
ESD Generator	TESEQ AG	NSG 437	SEM019-02	2020-04-17	2021-04-16

Electrical Fast Transients/Burst at Power Port					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Ultra Compact Simulator	EM TEST	UCS 500N7	SEM018-02	2020-03-26	2021-03-25
Measurement Software	EM TEST	IEC CONTROL V6.0.1	N/A	N/A	N/A





<b>Surge at Power Port</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Ultra Compact Simulator	EM TEST	UCS 500N7	SEM018-02	2020-03-26	2021-03-25
Measurement Software	EM TEST	IEC CONTROL V6.0.1	N/A	N/A	N/A

<b>Voltage Dips and Interruptions</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Ultra Compact Simulator	EM TEST	UCS 500N7	SEM018-02	2020-03-26	2021-03-25
Measurement Software	EM TEST	IEC CONTROL V6.0.1	N/A	N/A	N/A

<b>Conducted Immunity at Power Port (150kHz-230MHz)</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	AUDIX	N/A	SEM001-08	2019-06-13	2022-06-12
RF-Generator	SCHAFFNER	NSG 2070	SEM006-01	2020-10-22	2021-10-21
Coupling/Decoupling Network	SCHAFFNER	CDN M016	SEM007-03	2020-04-09	2021-04-08
Conditioning Amplifier	Brüel & Kjaer	2690-OS2	SEM005-10	2020-04-14	2021-04-13
Audio Analyzer	Rohde & Schwarz	UPV	SEM008-03	2020-09-23	2021-09-22

<b>General used equipment</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2020-09-15	2021-09-14
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2020-09-15	2021-09-14
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2020-04-07	2021-04-06



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## 6 Emission Test Results

### 6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: EN 55014-1:2017  
 Test Method: CISPR 16-2-1  
 Frequency Range: 150kHz to 30MHz

#### 6.1.1 E.U.T. Operation

Operating Environment:

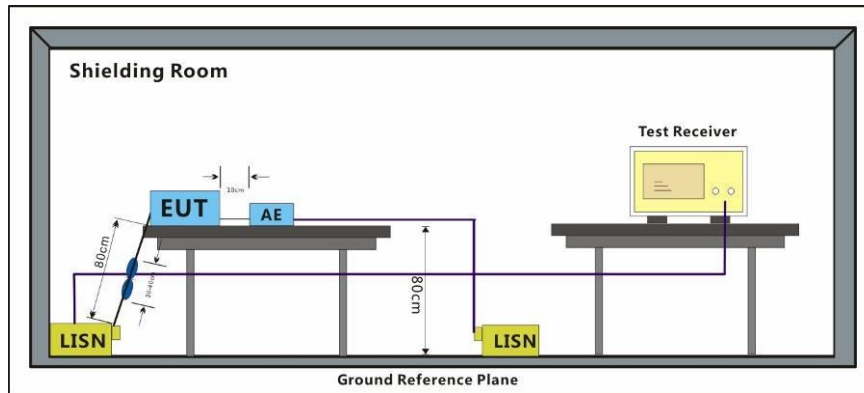
Temperature: 20.6 °C Humidity: 50.1 % RH Atmospheric Pressure: 1015 mbar

Pretest these modes to find the worst case: a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.

c: Charge mode, keep EUT being charged.

The worst case for final test: a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.

#### 6.1.2 Test Setup Diagram



#### 6.1.3 Measurement Data

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.

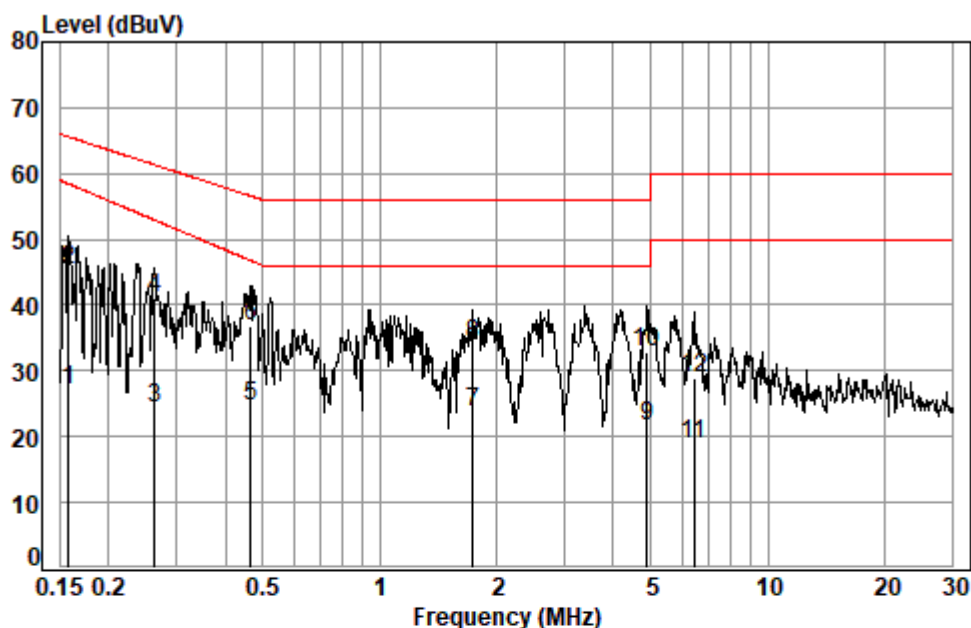


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Mode:a; Line:Live Line



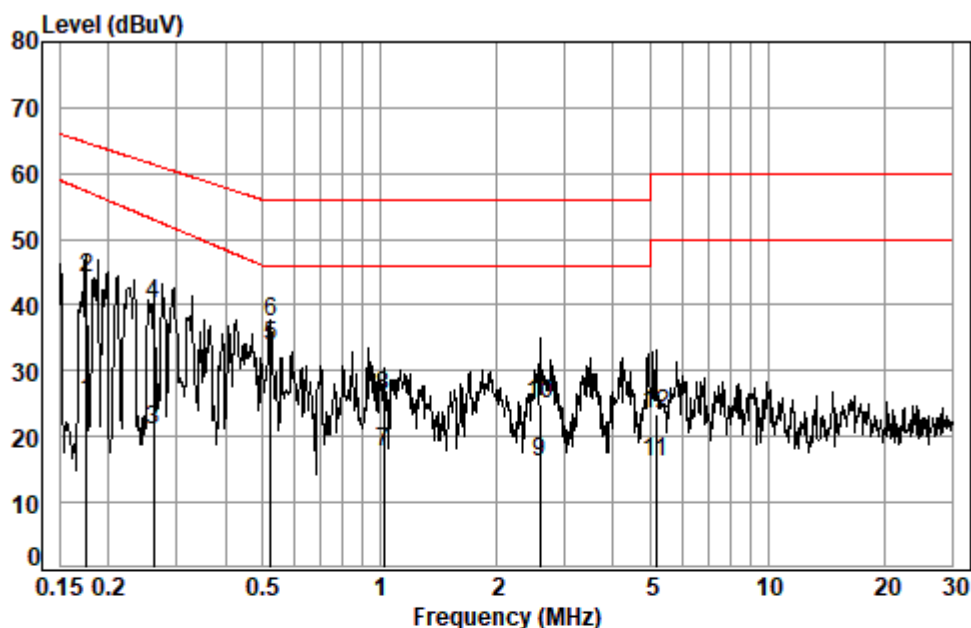
Site : Shielding Room  
Condition: Line  
Job No. : 11050ET  
Test mode: a

	Freq	Cable Loss	LISM Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1582	0.01	9.70	17.29	27.00	58.43	-31.43	Average
2	0.1582	0.01	9.70	35.58	45.29	65.56	-20.27	QP
3	0.2630	0.03	9.74	14.52	24.29	52.94	-28.65	Average
4	0.2630	0.03	9.74	31.28	41.05	61.34	-20.29	QP
5	0.4661	0.06	9.77	14.72	24.55	46.76	-22.21	Average
6	0.4661	0.06	9.77	26.99	36.82	56.58	-19.76	QP
7	1.7437	0.15	9.81	13.62	23.58	46.00	-22.42	Average
8	1.7437	0.15	9.81	23.98	33.94	56.00	-22.06	QP
9	4.8997	0.17	9.93	11.56	21.66	46.00	-24.34	Average
10	4.8997	0.17	9.93	22.67	32.77	56.00	-23.23	QP
11	6.4539	0.17	10.01	8.66	18.84	50.00	-31.16	Average
12	6.4539	0.17	10.01	18.83	29.01	60.00	-30.99	QP



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Mode:a; Line:Neutral Line



Site : Shielding Room  
Condition: Neutral  
Job No. : 11050ET  
Test mode: a

	Freq	Cable Loss	LISM Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1758	0.02	9.72	15.46	25.20	57.28	-32.08	Average
2	0.1758	0.02	9.72	34.32	44.06	64.68	-20.62	QP
3	0.2616	0.03	9.73	11.16	20.92	52.99	-32.07	Average
4	0.2616	0.03	9.73	30.29	40.05	61.38	-21.33	QP
5	0.5225	0.06	9.76	23.80	33.62	46.00	-12.38	Average
6	0.5225	0.06	9.76	27.60	37.42	56.00	-18.58	QP
7	1.0265	0.09	9.78	7.71	17.58	46.00	-28.42	Average
8	1.0265	0.09	9.78	16.15	26.02	56.00	-29.98	QP
9	2.5945	0.16	9.82	6.04	16.02	46.00	-29.98	Average
10	2.5945	0.16	9.82	15.02	25.00	56.00	-31.00	QP
11	5.1663	0.17	9.94	6.12	16.23	50.00	-33.77	Average
12	5.1663	0.17	9.94	13.18	23.29	60.00	-36.71	QP



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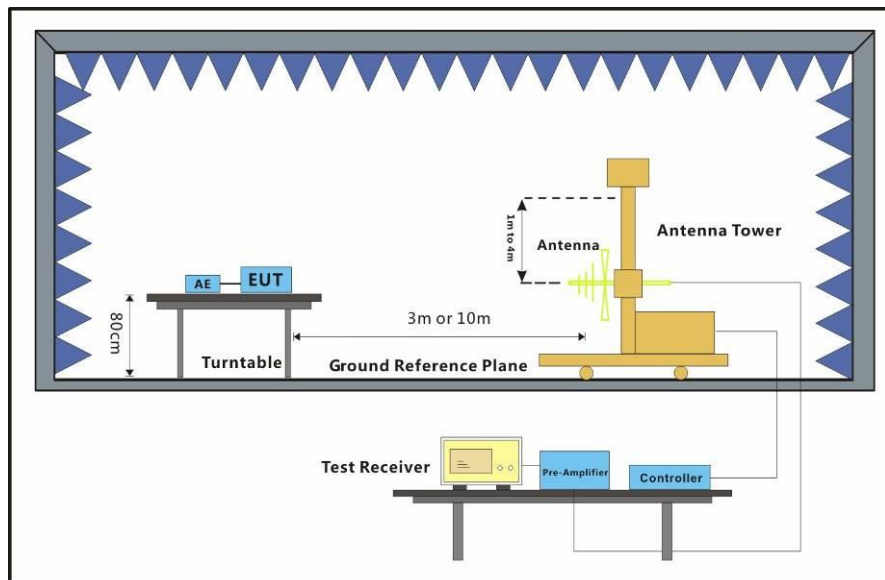
## 6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: EN 55014-1:2017  
 Test Method: CISPR 16-2-3  
 Frequency Range: 30MHz to 1GHz  
 Measurement Distance: 3m  
 Limit:  
 30MHz-230MHz 40 dB(μV/m) quasi-peak  
 230MHz-1GHz 47 dB(μV/m) quasi-peak  
 Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz

### 6.2.1 E.U.T. Operation

Operating Environment:  
 Temperature: 25.3 °C Humidity: 51.2 % RH Atmospheric Pressure: 1015 mbar  
 Pretest these modes to find the worst case:  
 a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.  
 b: On mode, keep EUT sounding, lighting and flashing.  
 c: Charge mode, keep EUT being charged.  
 The worst case for final test:  
 a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.

### 6.2.2 Test Setup Diagram

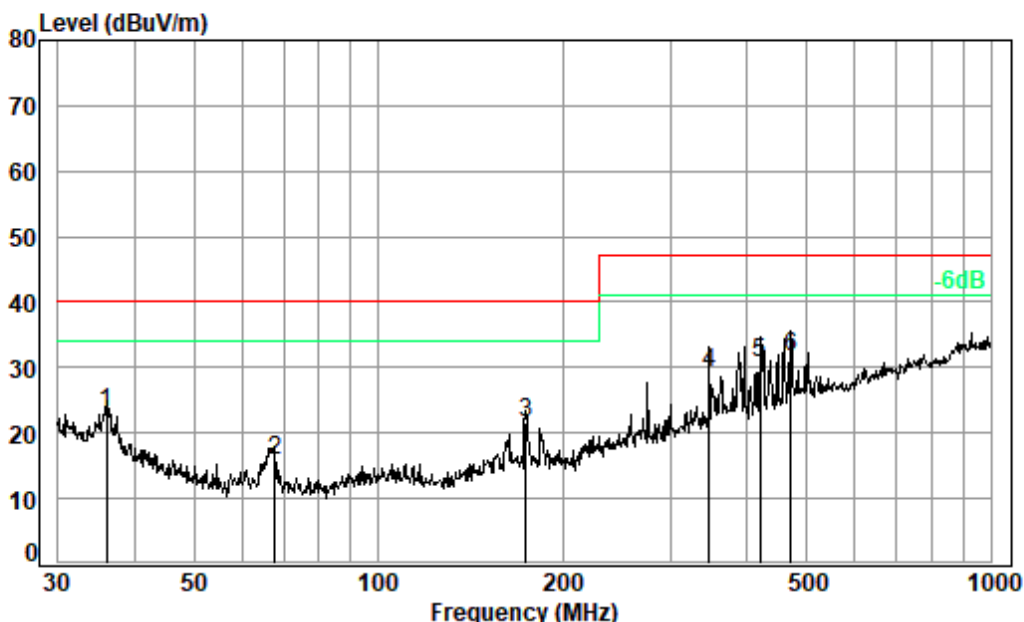


### 6.2.3 Measurement Data

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.



Mode:a; Polarization:Horizontal



Condition: 3m HORIZONTAL

Job No. : 11050ET

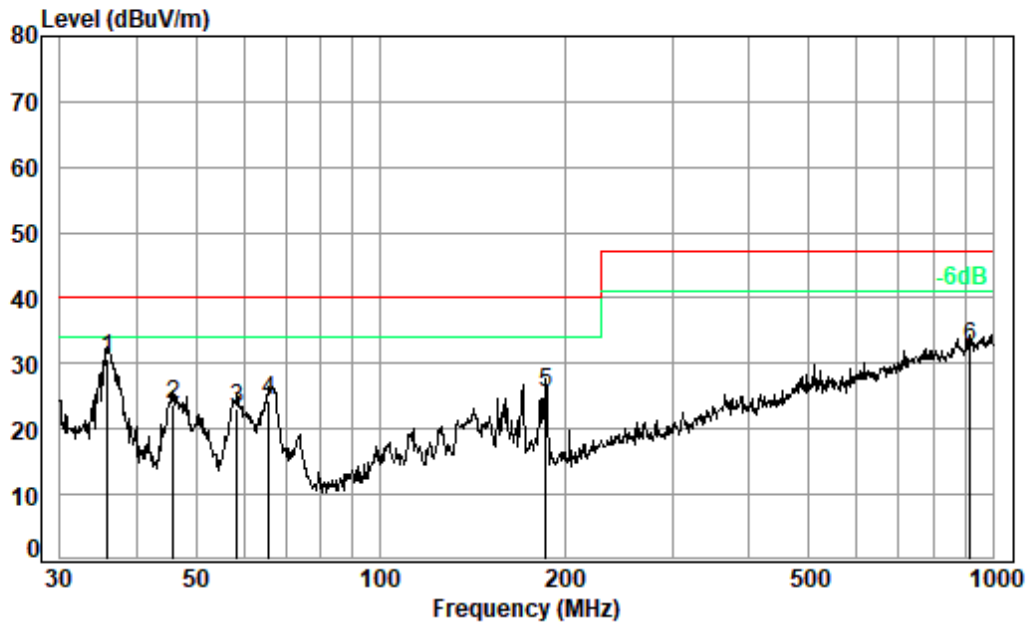
Test Mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	36.00	0.66	19.70	27.72	30.38	23.02	40.00	-16.98	QP
2	67.68	0.80	12.63	27.65	30.16	15.94	40.00	-24.06	QP
3	174.42	1.18	15.51	27.24	32.01	21.46	40.00	-18.54	QP
4	346.81	2.15	20.81	27.13	33.43	29.26	47.00	-17.74	QP
5	419.11	2.34	21.96	27.48	33.93	30.75	47.00	-16.25	QP
6 pp	472.18	2.45	23.75	27.69	33.11	31.62	47.00	-15.38	QP



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Mode:a; Polarization:Vertical



Condition: 3m VERTICAL  
Job No. : 11050ET  
Test Mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	35.87	0.66	19.77	27.72	37.90	30.61	40.00	-9.39	QP
2	46.02	0.70	15.59	27.69	35.14	23.74	40.00	-16.26	QP
3	58.41	0.79	13.12	27.67	36.86	23.10	40.00	-16.90	QP
4	65.80	0.80	12.79	27.65	38.50	24.44	40.00	-15.56	QP
5	186.44	1.19	15.47	27.19	36.13	25.60	40.00	-14.40	QP
6	919.29	3.52	29.19	27.06	26.79	32.44	47.00	-14.56	QP



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### 6.3 Harmonic Current Emission

Test Requirement: EN IEC 61000-3-2:2019

Test Method: EN IEC 61000-3-2:2019

Frequency Range: 100Hz to 2kHz

There is no need for Harmonics test to be performed on this product (rated power is less than 75W) in accordance with EN IEC 61000-3-2:2019.

For further details, please refer to Clause 7 of EN IEC 61000-3-2:2019 which states:

"For the following categories of equipment, limits are not specified in this standard.

equipment with a rated power of 75W or less, other than lighting equipment."





### 6.4 Voltage Fluctuations and Flicker

Test Requirement: EN 61000-3-3:2013+A1:2019

Test Method: EN 61000-3-3:2013+A1:2019

#### 6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 56.8 % RH Atmospheric Pressure: 1015 mbar

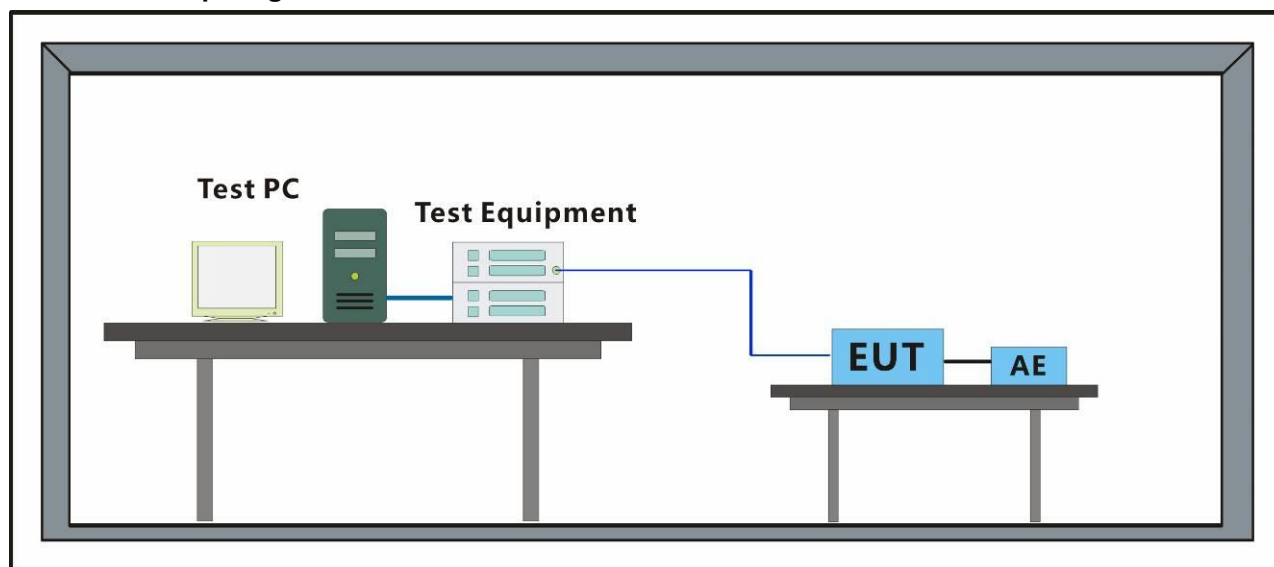
Pretest these modes to find the worst case: a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.

c: Charge mode, keep EUT being charged.

d: Idle mode, keep EUT standby.

The worst case for final test: a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.

#### 6.4.2 Test Setup Diagram



#### 6.4.3 Measurement Data

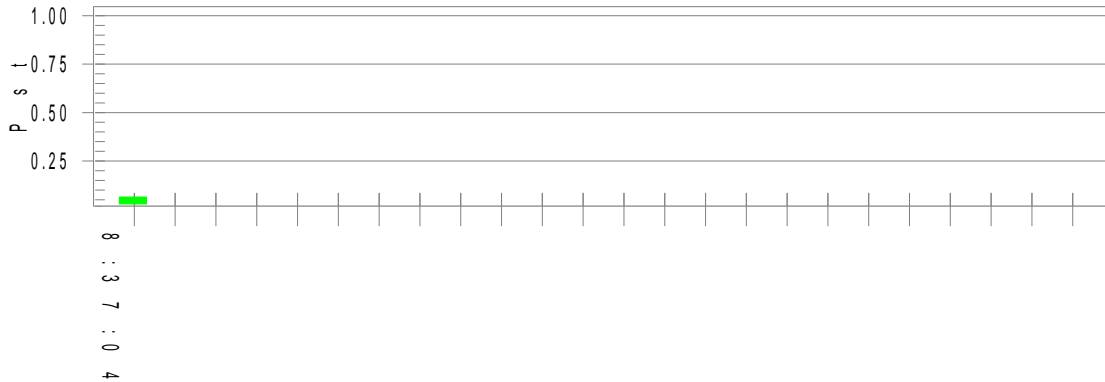


Mode:a  
Test Result: Pass

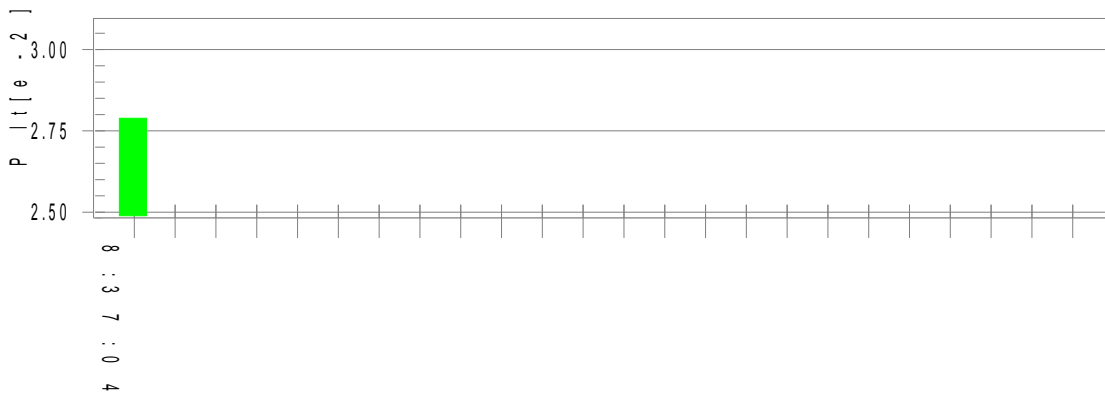
Status: Test Completed

### Pst<sub>i</sub> and limit line

### European Limits



### Plt and limit line



### Parameter values recorded during the test:

Vrms at the end of test (Volt):	229.95		
T-max (mS):	0	Test limit (mS):	500.0 Pass
Highest dc (%):	0.00	Test limit (%):	3.30 Pass
Highest dmax (%):	0.00	Test limit (%):	4.00 Pass
Highest Pst (10 min. period):	0.064	Test limit:	1.000 Pass



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## 7 Immunity Test Results

### Performance Criteria Description in EN 55014-2:2015

- Criterion A** The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. 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 from what the user may reasonably expect from the apparatus if used as intended.
- Criterion B** The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however. No change of actual operating state or stored data is allowed to persist after the test. 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 from what the user may reasonably expect from the apparatus if used as intended.
- Criterion C** Temporary loss of function is allowed, provided the function is self recoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.



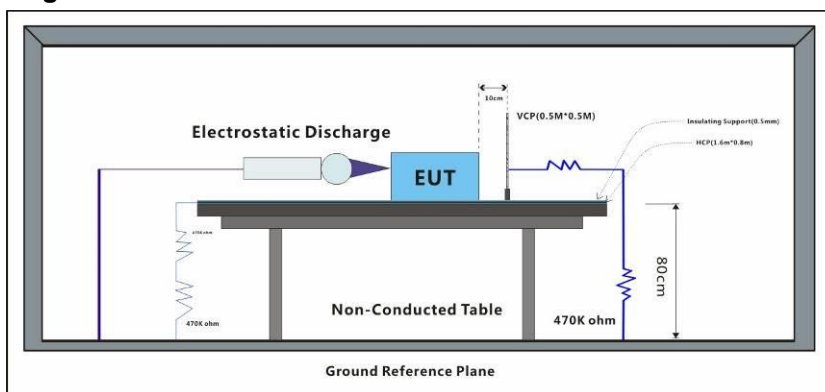
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## 7.1 Electrostatic Discharge

Test Requirement: EN 55014-2:2015  
 Test Method: EN 61000-4-2:2009  
 Performance Criterion: B  
 Discharge Impedance: 330Ω/150pF  
 Number of Discharge: Minimum 10 times at each test point  
 Discharge Mode: Single Discharge  
 Discharge Period: 1 second minimum

### 7.1.1 Test Setup Diagram



### 7.1.2 E.U.T. Operation

Operating Environment:  
 Temperature: 23.6 °C Humidity: 49 % RH Atmospheric Pressure: 1015 mbar  
 Test mode:  
 a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.  
 b: On mode, keep EUT sounding, lighting and flashing.  
 c: Charge mode, keep EUT being charged.  
 d: Idle mode, keep EUT standby.

### 7.1.3 Test Results:

Observations: Test Point:  
 1. All insulated enclosure and seams.  
 2. All accessible metal parts of the enclosure.  
 3. All side

Discharge type	Level (kV)	Polarity	Test Point	Result / Observations
Air Discharge	8	+	1	A
Air Discharge	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

### Results:

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

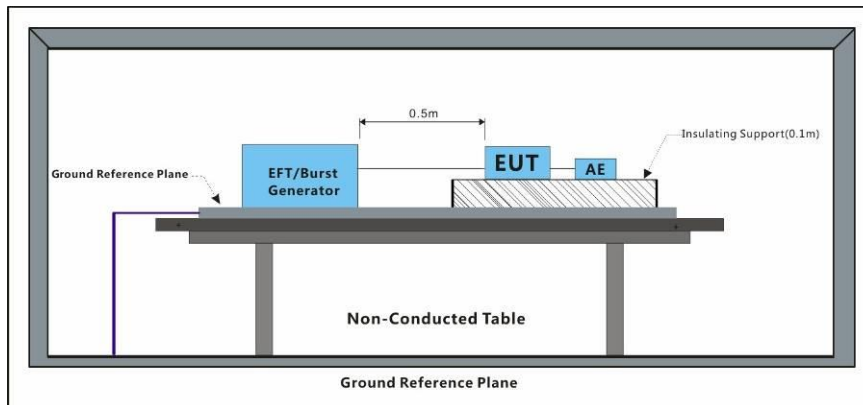


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## 7.2 Electrical Fast Transients/Burst at Power Port

Test Requirement: EN 55014-2:2015  
 Test Method: EN 61000-4-4:2012  
 Performance Criterion: B  
 Repetition Frequency: 5kHz  
 Burst Period: 300ms  
 Test Duration: 2 minute per level & polarity

### 7.2.1 Test Setup Diagram



### 7.2.2 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 56.6 % RH Atmospheric Pressure: 1015 mbar

Test mode: a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.

c: Charge mode, keep EUT being charged.

d: Idle mode, keep EUT standby.

### 7.2.3 Test Results:

Test Line	Level (kV)	Polarity	CDN/Clamp	Result / Observations
AC power port	1	+	CDN	A
AC power port	1	-	CDN	A

### Results:

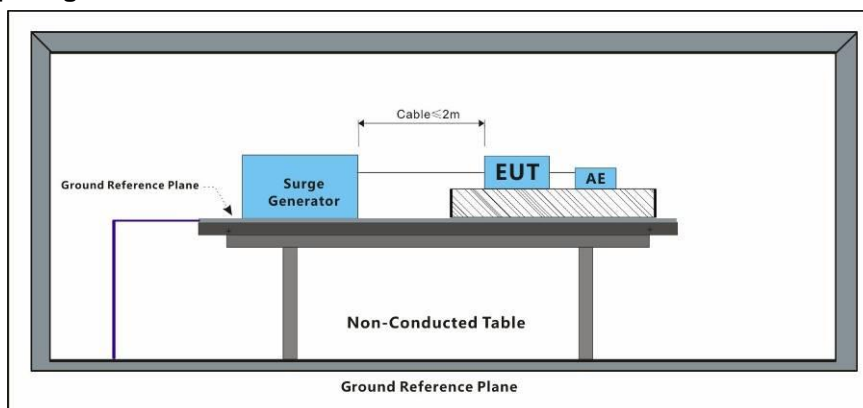
A: No degradation in the performance of the EUT was observed.



### 7.3 Surge at Power Port

Test Requirement: EN 55014-2:2015  
 Test Method: EN 61000-4-5:2014 +A1:2017  
 Performance Criterion: B  
 Interval: 60s between each surge  
 No. of surges: 5 positive at 90°, 5 negative at 270°.

#### 7.3.1 Test Setup Diagram



#### 7.3.2 E.U.T. Operation

Operating Environment:  
 Temperature: 23.9 °C      Humidity: 56.4 % RH      Atmospheric Pressure: 1015 mbar  
 Test mode:  
 a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.  
 c: Charge mode, keep EUT being charged.  
 d: Idle mode, keep EUT standby.

#### 7.3.3 Test Results:

Test Line	Level (kV)	Polarity	Phase (deg)	Result / Observations
L-N	1	+	90°	A
L-N	1	-	270°	A

#### Results:

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



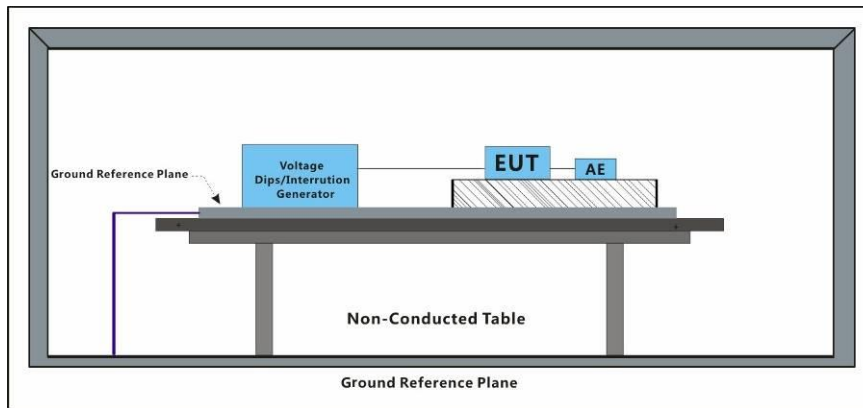
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### 7.4 Voltage Dips and Interruptions

Test Requirement: EN 55014-2:2015  
 Test Method: EN 61000-4-11:2004 +A1:2017  
 Performance Criterion: 0% of UT (Rated Voltage) for 0.5 Cycle: C;  
 40% of UT for 10 Cycle: C;  
 70% of UT for 25 Cycle: C

No. of Dips / Interruptions: 3 per Level  
 Time between dropout 10s

#### 7.4.1 Test Setup Diagram



#### 7.4.2 E.U.T. Operation

Operating Environment:  
 Temperature: 23.9 °C Humidity: 56.3 % RH Atmospheric Pressure: 1015 mbar  
 Test mode:  
 a: On mode+Charge mode, keep EUT sounding, lighting and flashing while being charged.  
 c: Charge mode, keep EUT being charged.  
 d: Idle mode, keep EUT standby.

#### 7.4.3 Test Results:

Level % UT	Phase (deg)	Duration	No. of Dips / Interruptions	Result / Observations
0	0°	0.5 Cycles	3	A
0	180°	0.5 Cycles	3	A
40	0°	10 Cycles	3	A
40	180°	10 Cycles	3	A
70	0°	25 Cycles	3	A
70	180°	25 Cycles	3	A

#### Results:

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

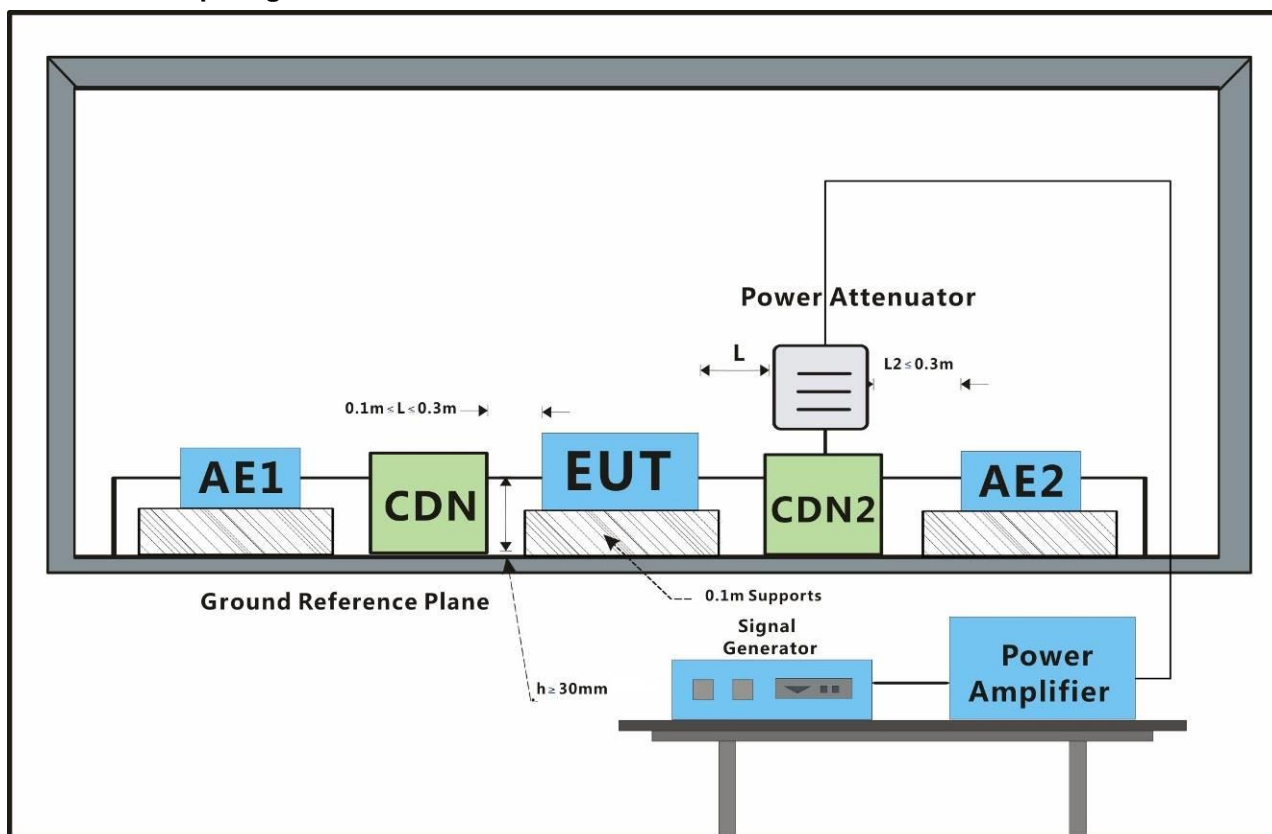


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## 7.5 Conducted Immunity at Power Port (150kHz-230MHz)

Test Requirement:	EN 55014-2:2015
Test Method:	EN 61000-4-6:2014
Performance Criterion:	A
Frequency Range:	0.15MHz to 230MHz
Modulation:	80%, 1kHz Amplitude Modulation
Step Size	1%

### 7.5.1 Test Setup Diagram



### 7.5.2 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C      Humidity: 56.1 % RH      Atmospheric Pressure: 1015 mbar

Test mode: a: On mode + Charge mode, keep EUT sounding, lighting and flashing while being charged.

c: Charge mode, keep EUT being charged.

d: Idle mode, keep EUT standby.





**7.5.3 Test Results:**

Cable port	Level (Vrms)	CDN/Clamp	Dwell time	Result / Observations
AC power port	3	CDN	2s	A

**Results:**

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



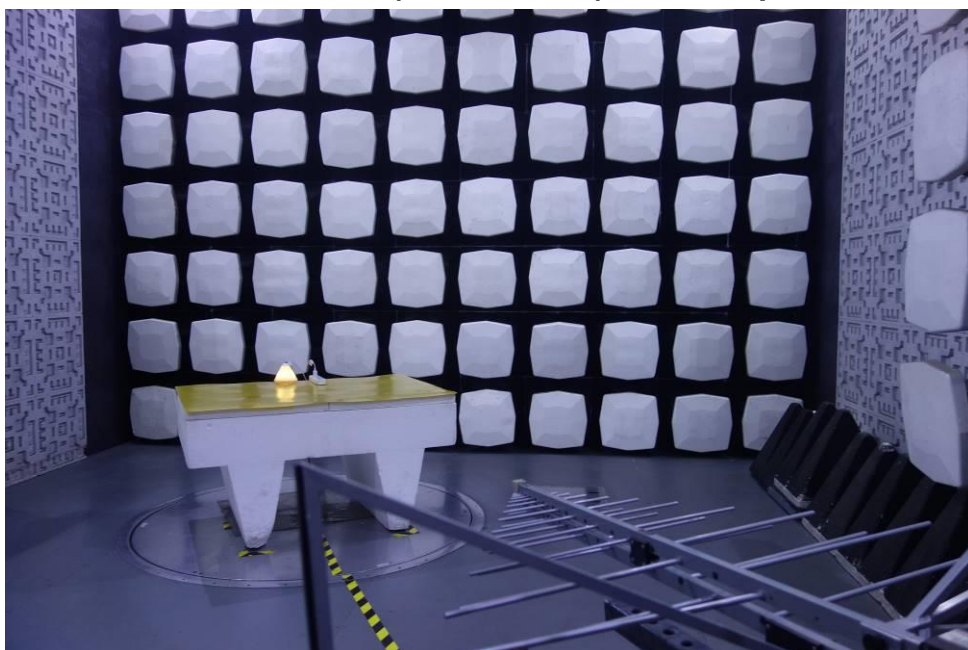
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## 8 Photographs

### 8.1 Conducted Emissions at Mains Terminals (150kHz-30MHz) Test Setup

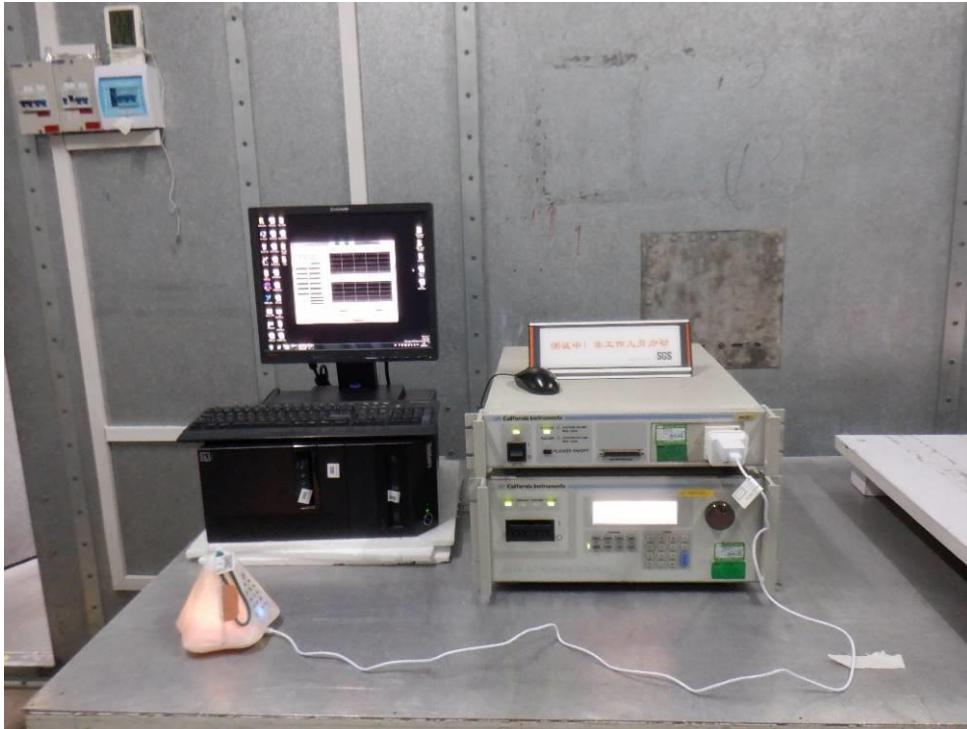


### 8.2 Radiated Emissions (30MHz-1GHz) Test Setup



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### 8.3 Voltage Fluctuations and Flicker Test Setup

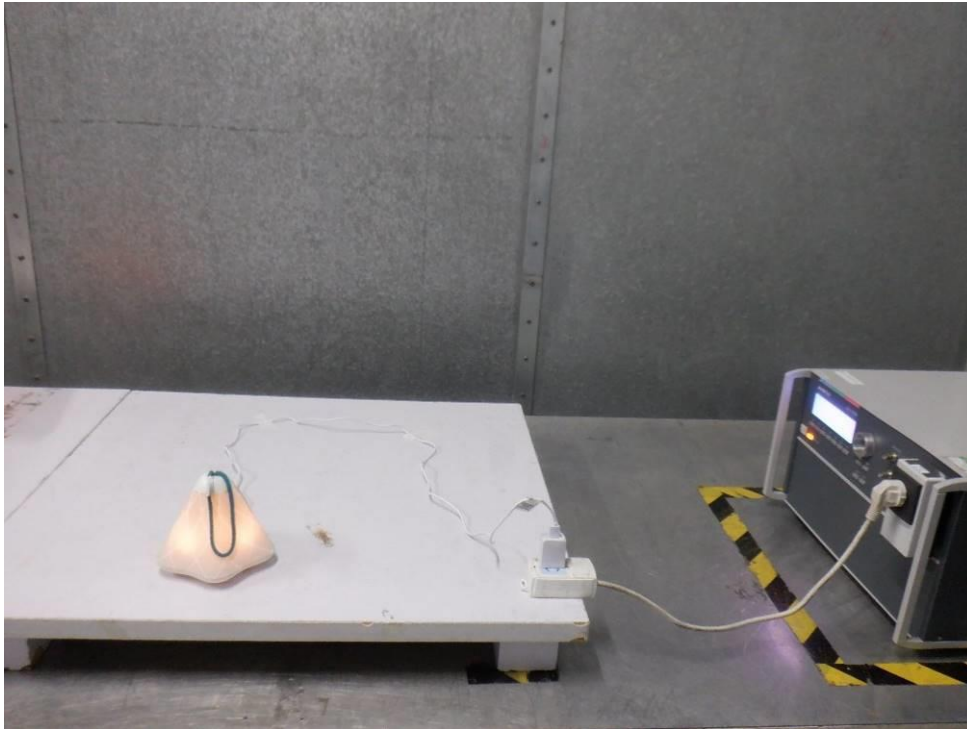


### 8.4 Electrostatic Discharge Test Setup

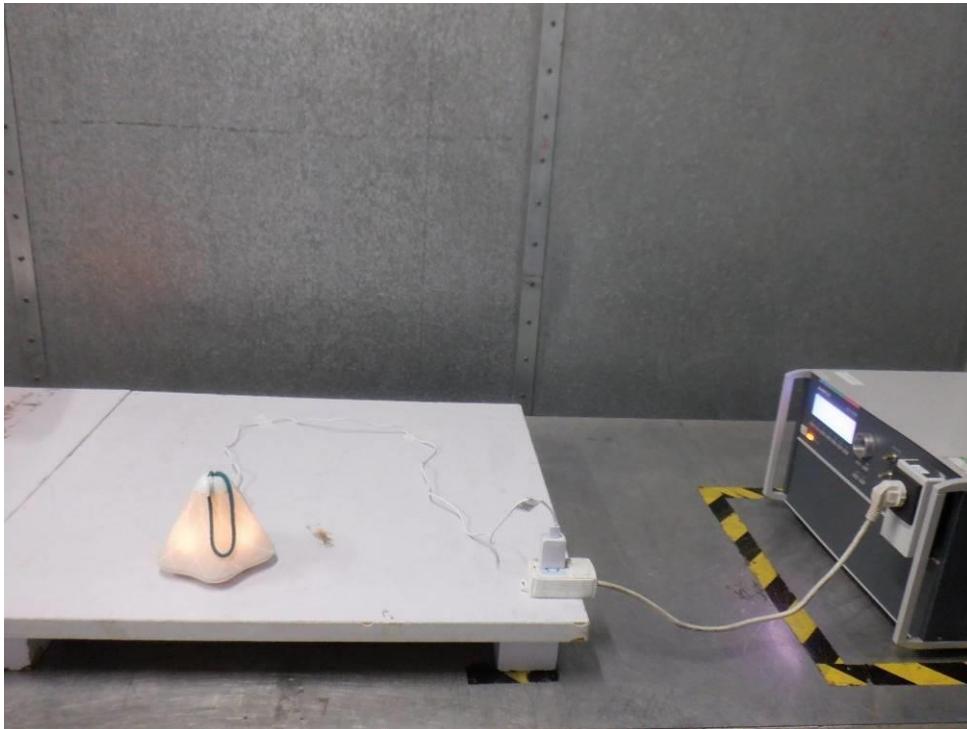


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## 8.5 Electrical Fast Transients/Burst at Power Port Test Setup

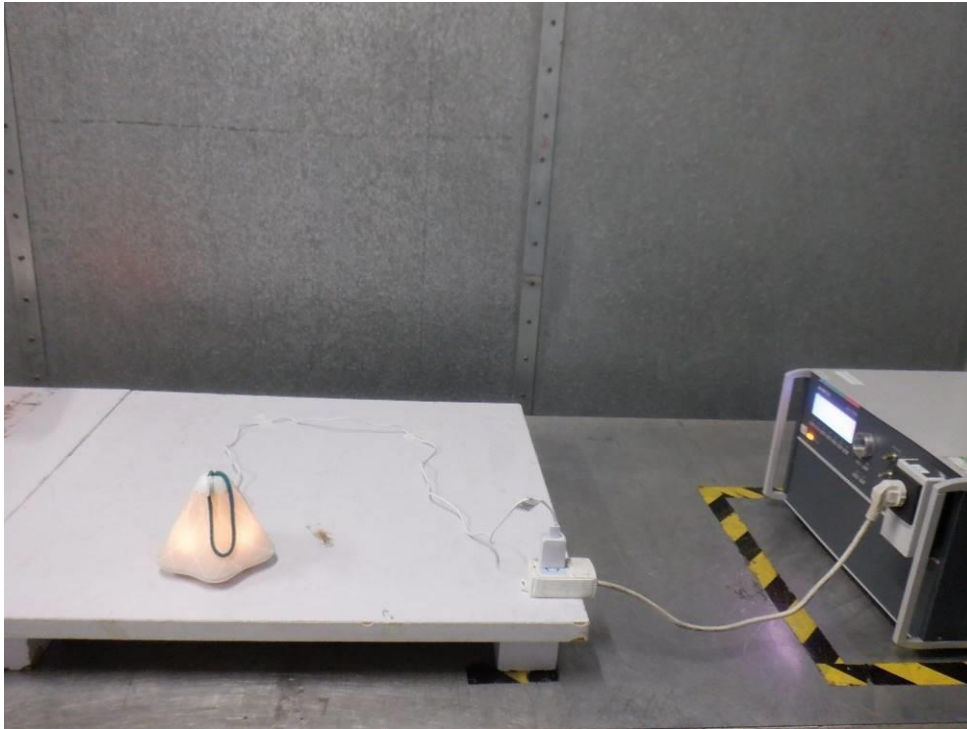


## 8.6 Surge at Power Port Test Setup



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## 8.7 Voltage Dips and Interruptions Test Setup



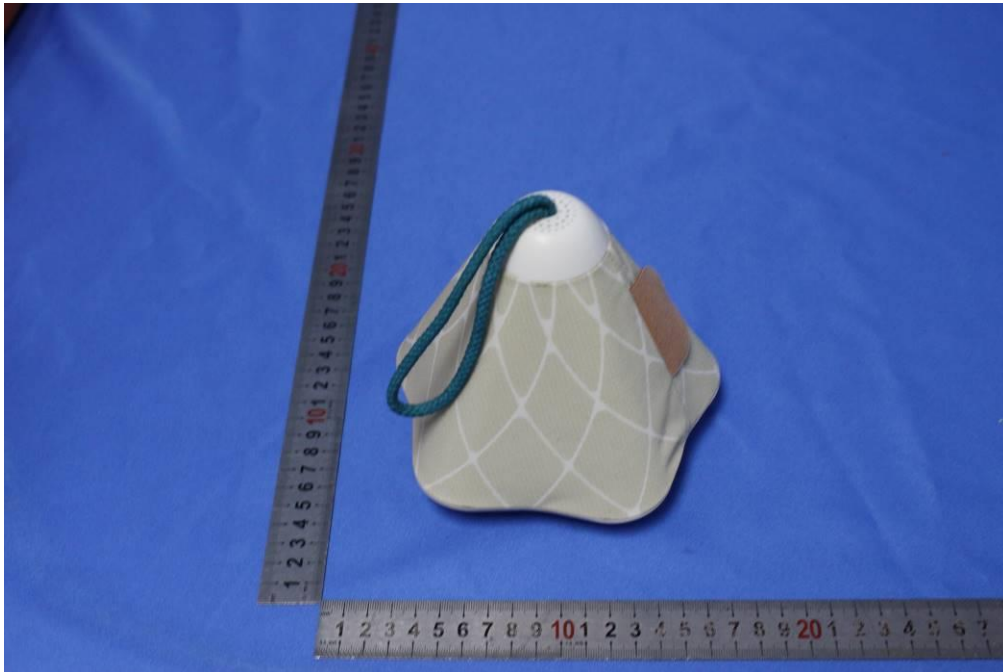
## 8.8 Conducted Immunity at Power Port (150kHz-230MHz) Test Setup

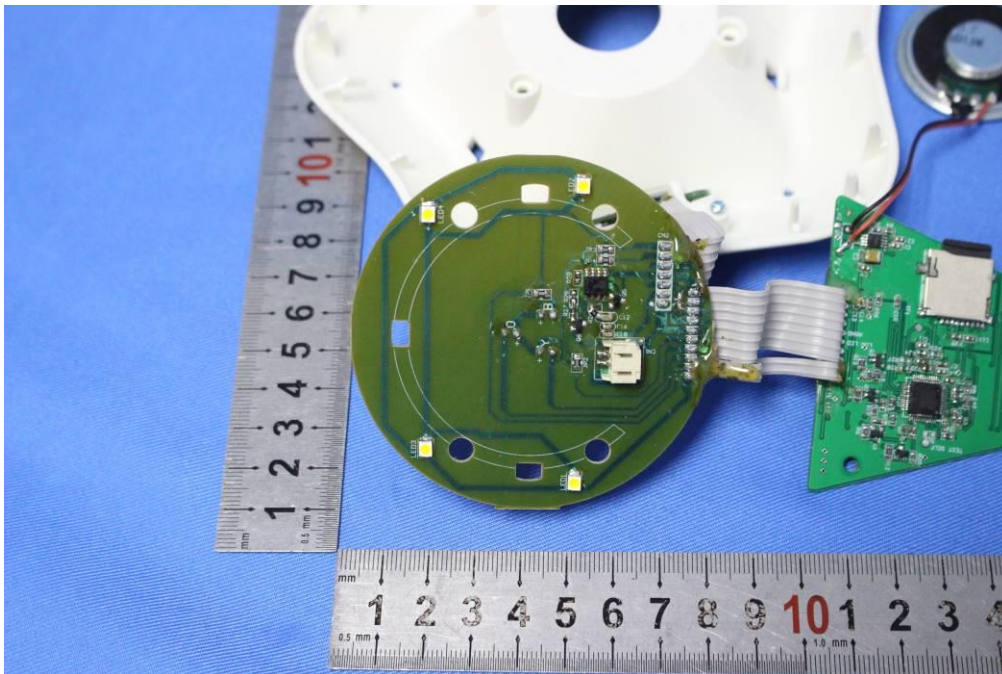
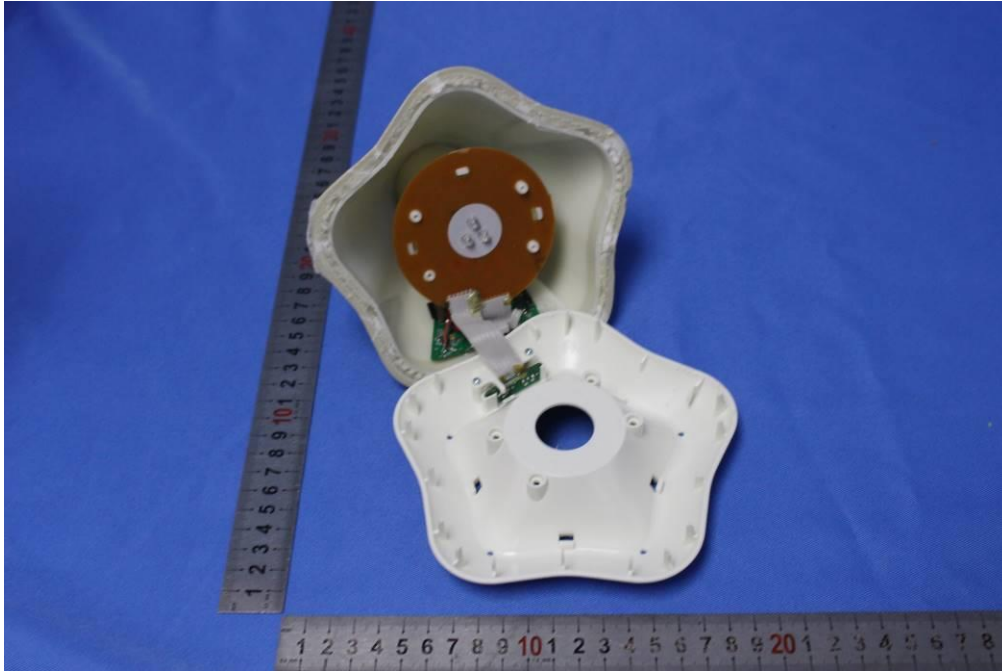


### 8.9 EUT Constructional Details (EUT Photos)

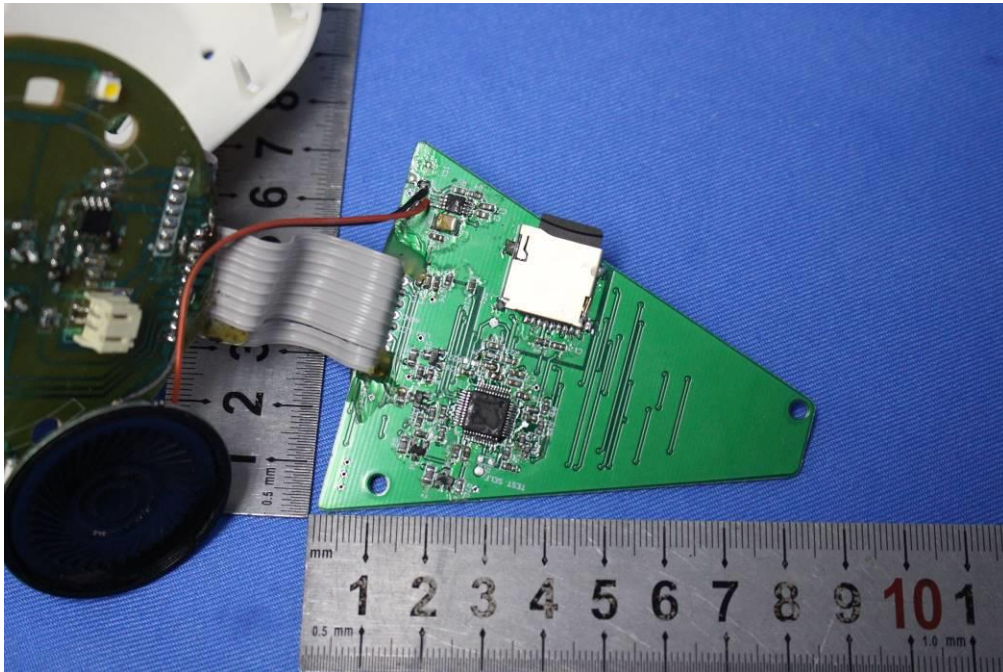
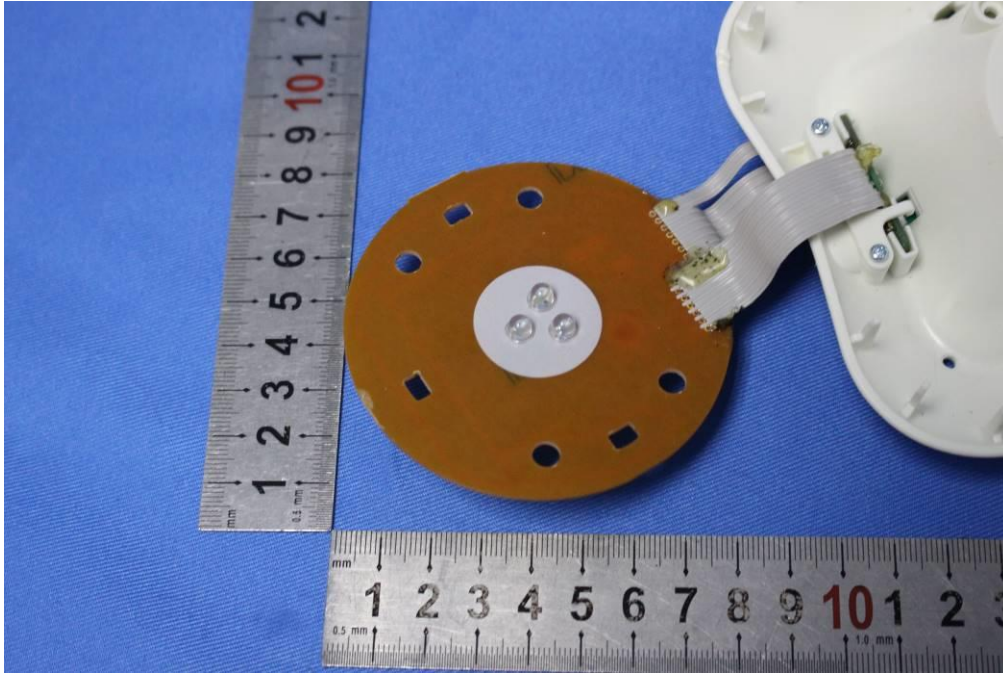


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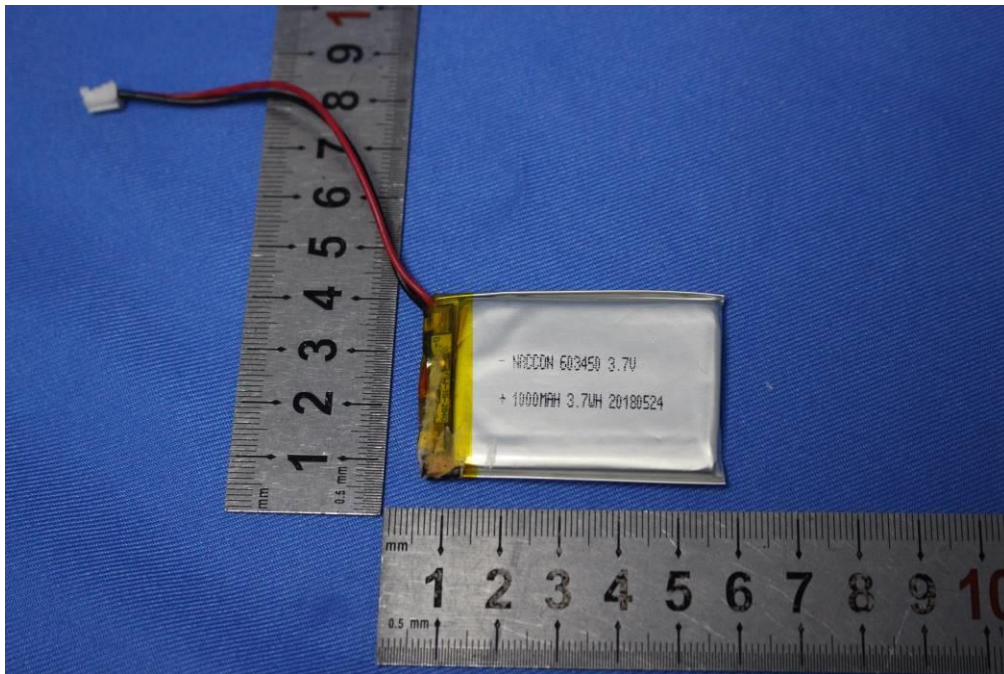
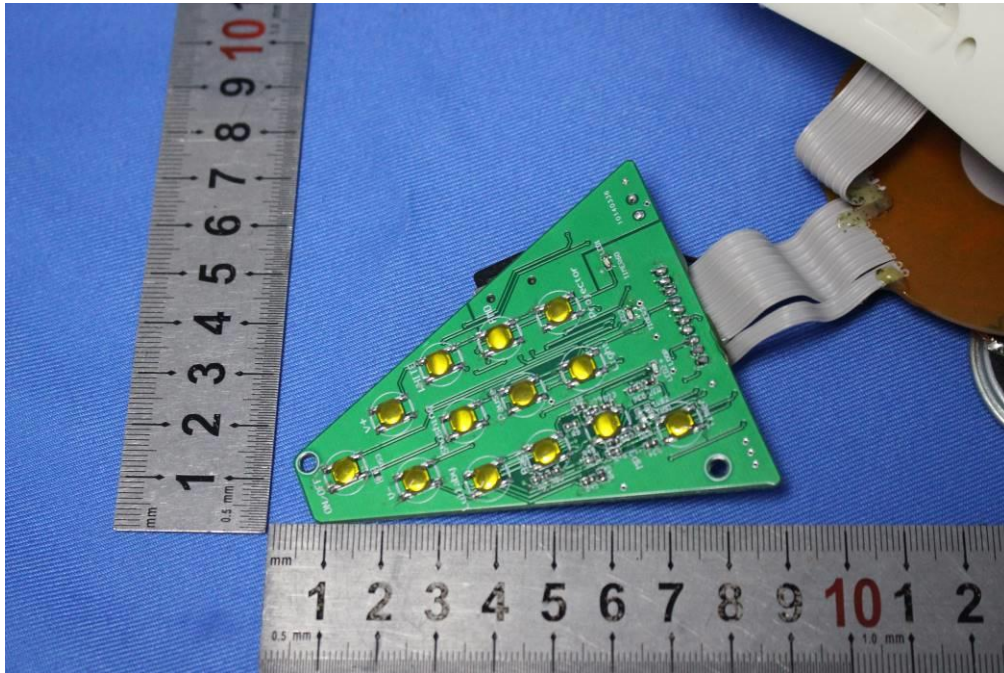




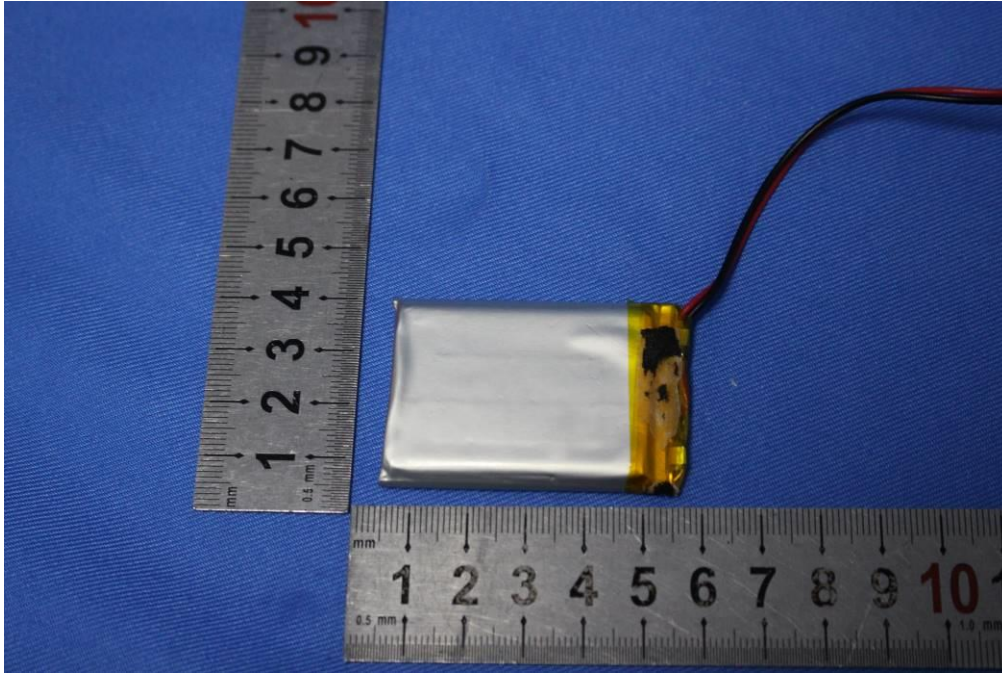




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- End of the Report -

