Test Report

Applicant	:	Dongguan Cycle Tree Industrial Co., Ltd.
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name	:	Egg beater
Testing type /model	:	SSS-EB001
Additional type /model	:	SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006,SSS-EB007, SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011,SSS-EB012,SSS-EB013, SSS-EB014
Trademark	:	N/A
Manufacturer name	:	Dongguan Cycle Tree Industrial Co., Ltd.
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Sample received date	:	Oct. 21, 2021
Testing period	:	Oct. 21, 2021 to Nov. 01, 2021
Test requested	:	As specified by client, to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Diisobutyl phthalate (DIBP), Dibutyl phthalate(DBP), Benzyl butyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP) in the submitted sample in accordance with the RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863 with effective from 22 July 2019.
Test Method	:	Please refer to the following page(s)
Test Result(s)	:	Please refer to the following page(s)
Conclusion	:	The test results comply with the limits of RoHS 2.0 Directive (EU) 2015/863 and (EU)2017/2102 amending Annex II to Directive 2011/65/EU.

******FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)******

Tested by	Rober Ruan	Reviewed by	Sendy Wang	Approved by	Corey Mao
	Rober Ruan		Sendy Wang		Corey Mao
	Test engineer		Test engineer		Laboratory director

Test Report

Test Method:

A. Screening test by XRF spectroscopy

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1:2013.

Element	Limit of IEC 62321-3-1:2013. Unit (mg/kg)		MDL	
	Polymers and Metals	Composite Material	Polymers	Other material
Pb	BL≤(700-3σ) <X <(1300+3σ) ≤OL	BL≤(500-3σ)<X <(1500+3σ) ≤OL	10 mg/kg	50 mg/kg
Cd	BL≤(70-3σ)<X <(130+3σ) ≤OL	LOD≤(50-3σ)<X <(150+3σ) ≤OL	10 mg/kg	50 mg/kg
Hg	BL≤(700-3σ)<X <(1300+3σ) ≤OL	BL≤(500-3σ)<X <(1500+3σ) ≤OL	10 mg/kg	50 mg/kg
Cr	BL≤(700-3σ)< X	BL≤(500-3σ)< X	10 mg/kg	50 mg/kg
Br	BL≤(300-3σ)< X	BL≤(250-3σ)< X	10 mg/kg	50 mg/kg

Note:

-BL = Under the XRF screening limit

-OL = Further chemical test will be conducted while result is above the screening limit

-X= The symbol “X” marks the region where further investigation is necessary

-3σ= The reproducibility of analytical instruments

-LOD= Detection limit

B. Chemical Test

Test Item	Test Method	Test Equipment	MDL	Limit
Lead (Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg	1000 mg/kg
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2 mg/kg	100 mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg
Hexavalent Chromium Cr (VI) (Metal)	IEC 62321-7-1:2015	UV-VIS	0.1 μg/cm^2	0.13 μg/cm^2
Hexavalent Chromium Cr (VI) (Nonmetal)	IEC 62321-7-2:2017	UV-VIS	8 mg/kg	1000 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	5 mg/kg	1000 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	5 mg/kg	1000 mg/kg
Phthalates （DBP, BBP, DEHP, DIBP）	IEC 62321-8:2017	GC-MS	50mg/kg	1000 mg/kg

Test Report

Test Result(s):

Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
1	Black plastic shell	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
2	Silver plastic buttons	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
3	Tin	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	/	
4	Silver metal shrapnel	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	/	
5	Silver metal spring	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	/	
6	Motor	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	/	
7	Silver metal stirrer	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	/	

Test Report

Sample No.	Sample Description	Tested Items	XRF Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion
8	Metal screw	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	/	

Tested Item(s)	Result Unit (mg/kg)				Acceptable Limit Unit (mg/kg)
	1	2	3	4	
Di-isobutyl phthalate(DIBP) CAS #:84-69-5	N.D.	N.D.	/	/	1000
Dibutyl phthalate(DBP) CAS #:84-74-2	N.D.	N.D.	/	/	1000
Benzylbutyl phthalate(BBP) CAS #:85-68-7	N.D.	N.D.	/	/	1000
Di-2-ethylhexyl phthalate(DEHP) CAS #:117-81-7	N.D.	N.D.	/	/	1000

Tested Item(s)	Result Unit (mg/kg)				Acceptable Limit Unit (mg/kg)
	5	6	7	8	
Di-isobutyl phthalate(DIBP) CAS #:84-69-5	/	/	/	/	1000
Dibutyl phthalate(DBP) CAS #:84-74-2	/	/	/	/	1000
Benzylbutyl phthalate(BBP) CAS #:85-68-7	/	/	/	/	1000
Di-2-ethylhexyl phthalate(DEHP) CAS #:117-81-7	/	/	/	/	1000

Note:

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-Negative = Absence of Cr(VI) , the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm^2 sample surface area used.

-Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than 0.02 mg/kg with 50cm^2 sample surface area used.

-#=According to the directive (2011/65/ EU), Lead is exempted as copper alloy containing up to 4% lead by weight.

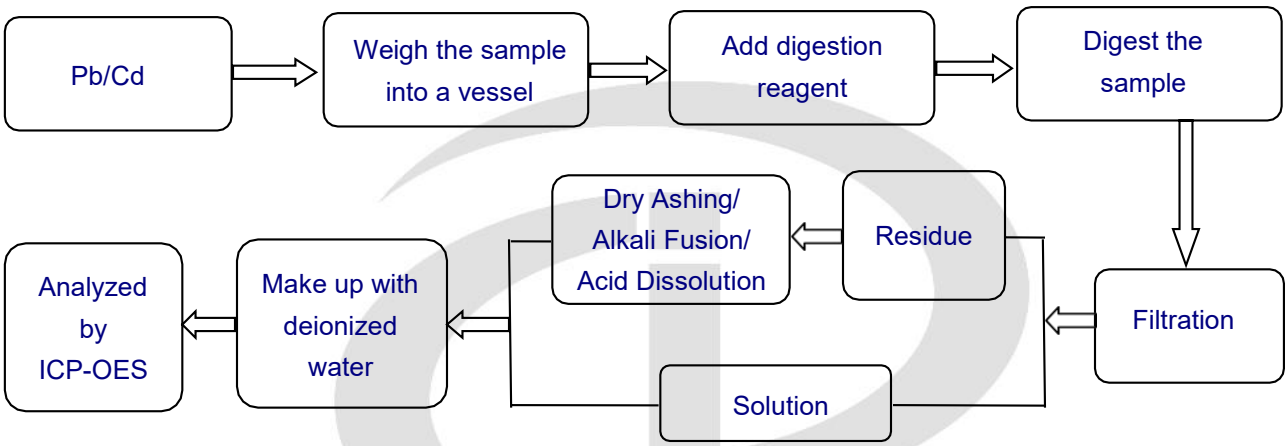
Remark:

- The screening results are only used for reference.
- When conducting the test for PBBs & PBDEs, XRF was introduced to screen Br Exclusively;
- When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

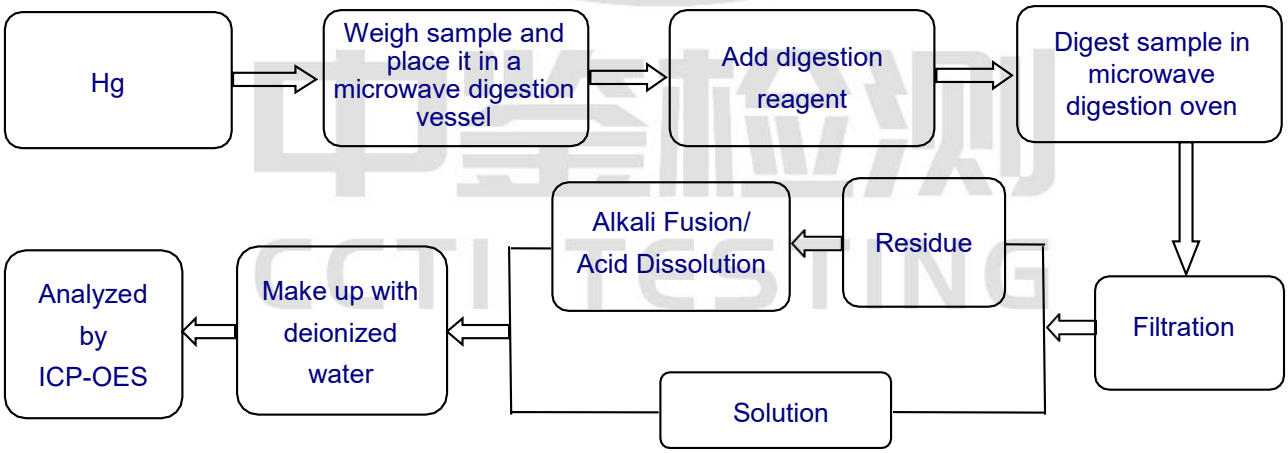
Test Process:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

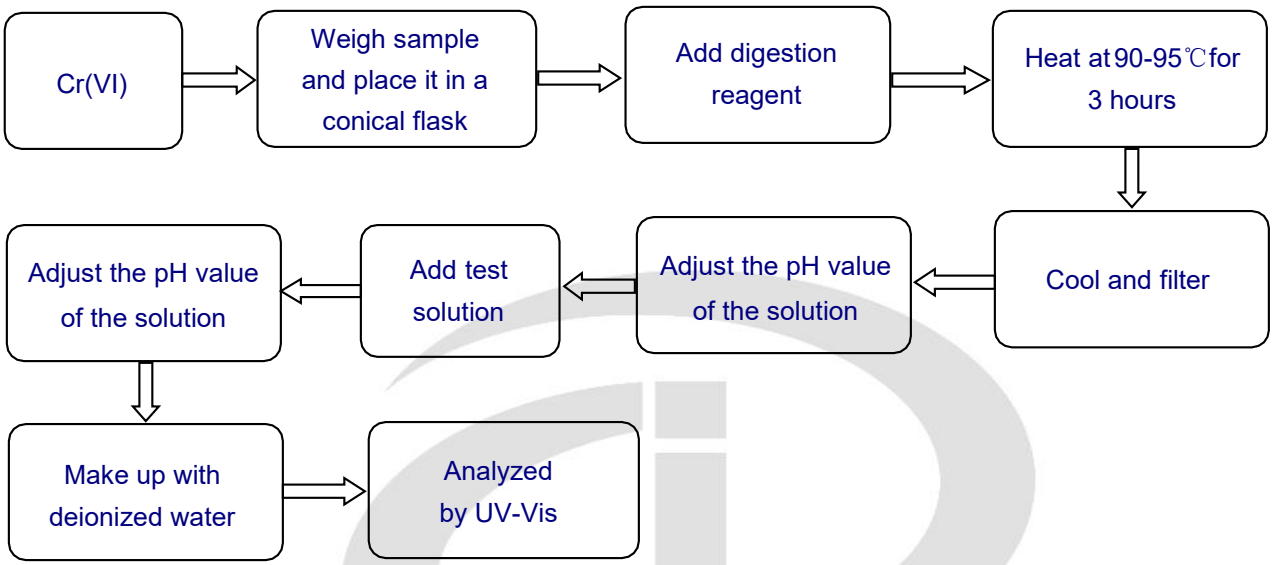
◆ **IEC 62321-5:2013 Ed.1.0**



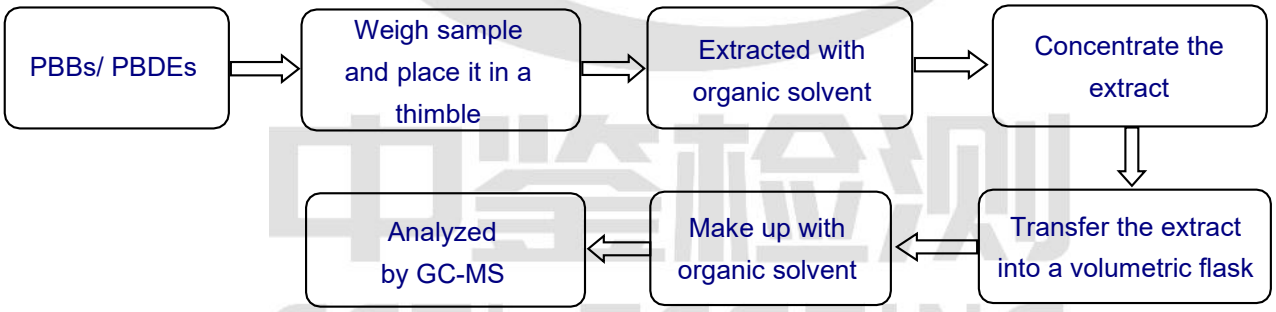
◆ **IEC 62321-4:2013+AMD1:2017 Ed.1.0**



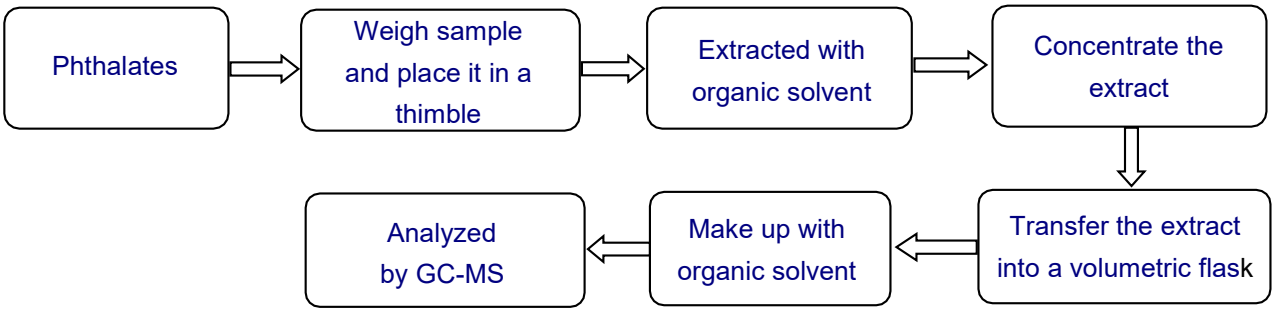
◆ **IEC 62321-7-2:2017 Ed.1.0**



◆ **IEC 62321-6:2015 Ed.1.0**



◆ **IEC 62321-8:2017 Ed.1.0**



Photograph of Sample

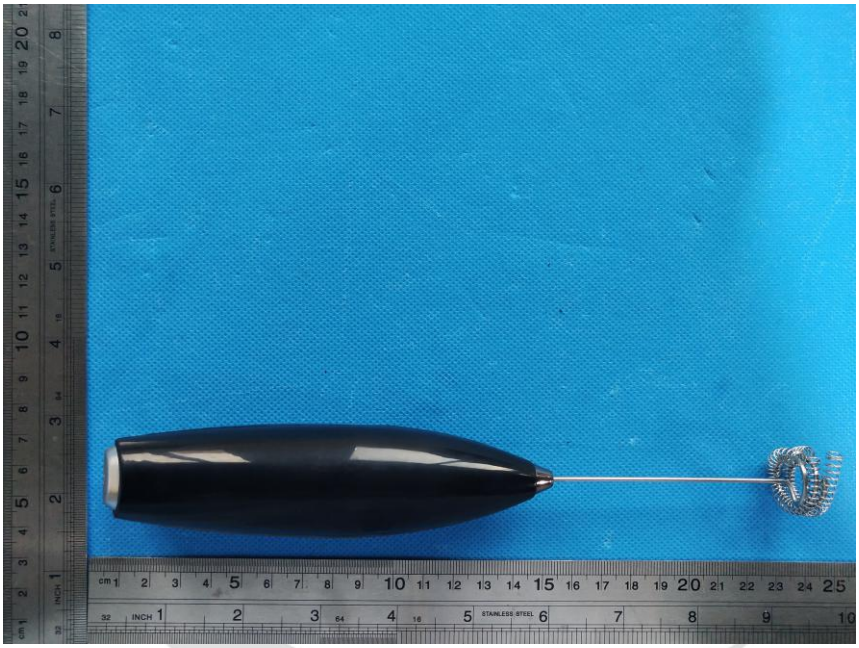


Figure 1

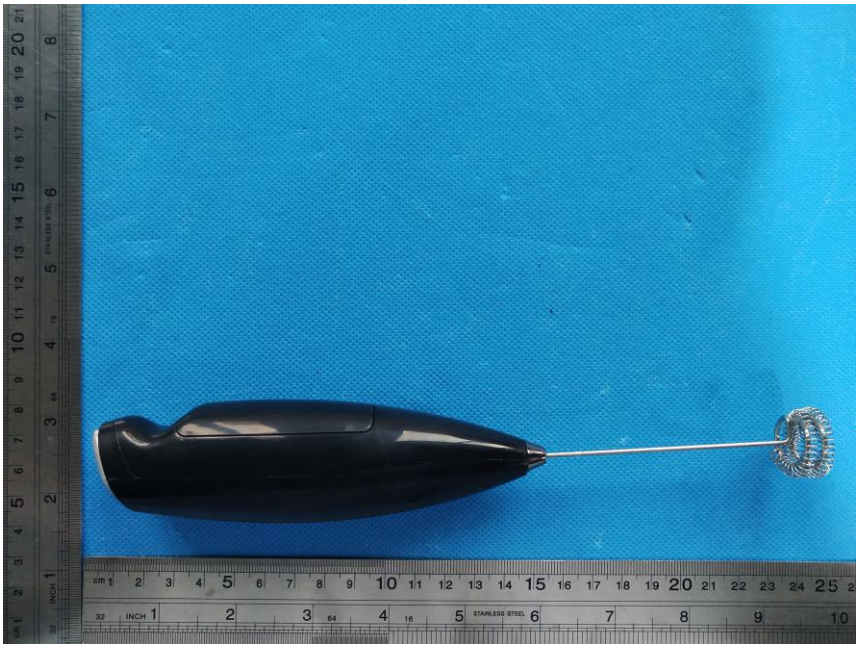


Figure 2

Figure 3

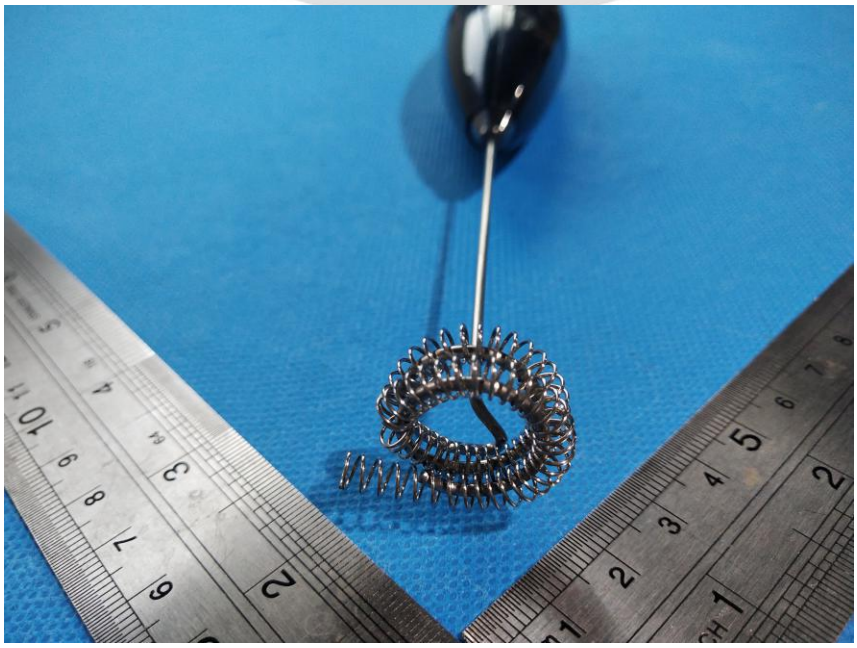


Figure 4

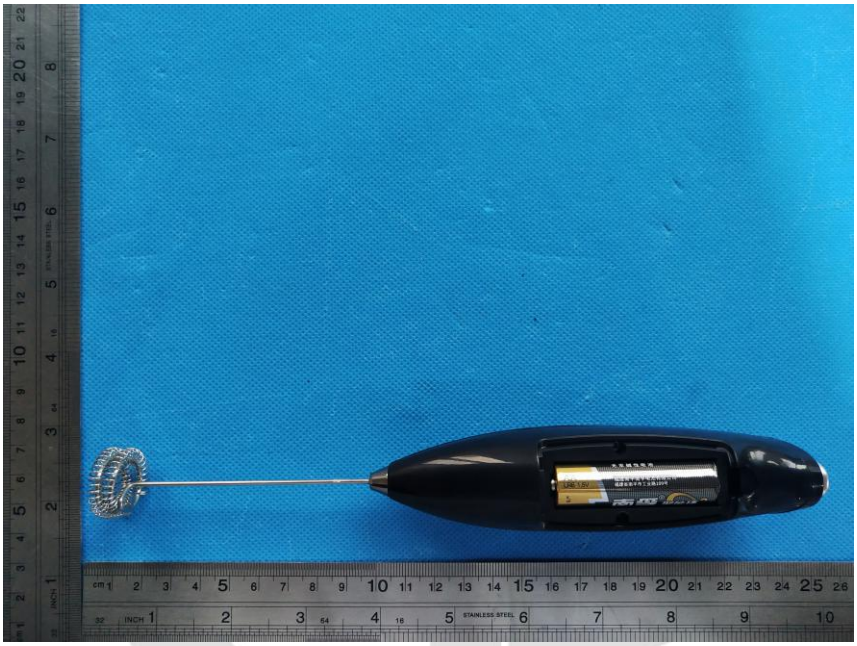


Figure 5

Figure 6

***** End of Report *****

Certificate of Compliance

Certificate Number: CCTI-2021102606C

Applicant	:	**Dongguan Cycle Tree Industrial Co., Ltd.**
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Manufacturer	:	**Dongguan Cycle Tree Industrial Co., Ltd.**
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Product	:	**Egg beater**
Trademark	:	**N/A**
Model No.	:	**SSS-EB001 SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006,SSS-EB007, SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011,SSS-EB012,SSS-EB013, SSS-EB014**
Test Standard	:	**IEC 62321-3-1:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017**

The EUT described above has been tested by us and found in compliance with the council RoHS 2.0 Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.

The certificate applies to the tested sample above mentioned only, It is only valid in connection with the test report number: CCTI-2021102606R.

RoHS

SHENZHEN CCTI TECHNOLOGY CO., LTD. APPROVED

Manager

Nov. 01, 2021

Shenzhen CCTI Technology Co., Ltd.

Add: 7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Tel：400-188-9662 0755-27225865 Email：ccti@ccti-lab.com Web：www.ccti-lab.com

Test Report issued under the responsibility of:

中鉴检测 CCTI TESTING

FCC TEST REPORT

Report reference No..... :	CCTI-2021102607E
Date of issue ..... :	Nov. 01, 2021
Total number of pages..... :	15
Testing Laboratory name..... :	Shenzhen CCTI Technology Co., Ltd.
Address..... :	7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.
Applicant's name ..... :	Dongguan Cycle Tree Industrial Co., Ltd.
Address..... :	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province

Test specification

Standard..... :	FCC Part 15 Subpart B ANSI C63.4:2014
Test procedure ..... :	N/A
Test Result ..... :	Pass

Test Report Form No..... :	--
TRF Originator ..... :	CCTI testing
Master TRF ..... :	Dated 2018-03

This device described above has been tested by CCTI, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. The results shown in this test report refer only to the sample(s) tested unless other wise stated and the sample(s) are retained for 30 days only.
The document is issued by CCTI, may be altered or revised by CCTI, personal only, and shall be noted in the revision of the document. this document cannont be reproduced except in full with our prior written permission.

Test item description ..... :	Egg beater
Trademark..... :	N/A
Manufacturer's name ..... :	Dongguan Cycle Tree Industrial Co., Ltd.
Address..... :	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Model and/or type reference..... :	SSS-EB001 SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006, SSS-EB007,SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011, SSS-EB012,SSS-EB013,SSS-EB014
Rating(s) ..... :	DC 3V From battery

Testing procedure and testing location:

Testing Laboratory.....:	**Shenzhen CCTI Technology Co., Ltd.**
Address.....:	7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Date of Test.....:	Oct. 21, 2021 to Nov. 01, 2021
Tested by (name + signature).....:	Nick Chan Nick chan
Reviewed by (name + signature).....:	Sendy Wang Sendy Wang
Approved by (name + signature).....:	Corey Mao SHENZHEN CCTI TECHNOLOGY CO.,LTD. APPROVED Corey Mao

TABLE OF CONTENT

1. GENERAL INFORMATION

1.1 Description of Device

EUT	:	Egg beater
Trademark	:	N/A
Model Number	:	SSS-EB001
Serial Model	:	SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006,SSS-EB007,SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011,SSS-EB012,SSS-EB013,SSS-EB014
Model Difference	:	The product is different for model number and power.
Power Supply	:	DC 3V From battery

Note: SSS-EB001 was selected as the test model and the datas have been recorded in this report.

1.2 Test Facility

Shenzhen CCTI Technology Co., Ltd.

7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.

1.3 Tested System Details

None

1.4 Test Uncertainty

Conducted Emission Uncertainty : ±2.66dB

Radiated Emission Uncertainty : ±4.26dB

2. TEST INSTRUMENT USED

For Conducted Emission at the mains terminals Test

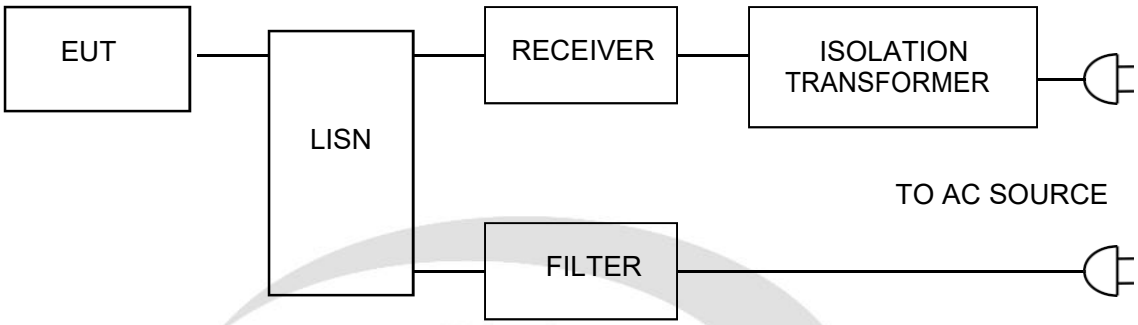
Conducted Emission Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
843 Shielded Room	ChengYu	843 Room	843	Apr. 12, 2021	Apr. 11, 2022
EMI Receiver	R&S	ESCI	101421	Apr. 12, 2021	Apr. 11, 2022
LISN	Schwarzbeck	NSLK8127	8127739	Apr. 12, 2021	Apr. 11, 2022
Attenuator	R&S	ESH3-Z2	CCTI021E	Apr. 12, 2021	Apr. 11, 2022
843 Cable 1#	FUJIKURA	843C1#	001	Apr. 12, 2021	Apr. 11, 2022

For Radiated Emission Test

Radiation Emission Test (966 chamber)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	ChengYu	966 Room	966	Apr. 12, 2021	Apr. 11, 2022
Spectrum Analyzer	Agilent	E4407B	MY45109572	Apr. 12, 2021	Apr. 11, 2022
Amplifier	Schwarzbeck	BBV9743	9743-119	Apr. 12, 2021	Apr. 11, 2022
Amplifier	Schwarzbeck	BBV9718	9718-270	Apr. 12, 2021	Apr. 11, 2022
Log-periodic Antenna	Schwarzbeck	VULB9160	VULB9160-3369	Apr. 12, 2021	Apr. 11, 2022
EMI Receiver	R&S	ESCI	101421	Apr. 12, 2021	Apr. 11, 2022
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1275	Apr. 12, 2021	Apr. 11, 2022
966 Cable 1#	CHENGYU	966	004	Apr. 12, 2021	Apr. 11, 2022
966 Cable 2#	CHENGYU	966	003	Apr. 12, 2021	Apr. 11, 2022

3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

3.1. Block Diagram Of Test Setup



3.2. Test Standard

FCC PART 15 B

3.3. Power Line Conducted Emission Limit

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. EUT Configuration on Test

The following equipments are installed on conducted emission test to meet FCC PART 15 B requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.5. Operating Condition of EUT

3.5.1 Setup the EUT and simulators as shown in Section 3.1.

3.5.2 Turn on the power of all equipments.

3.5.3 Let the EUT work in test modes and test it.

3.6. Test Procedure

The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **FCC PART 15 B** regulations during conducted emission test.

The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

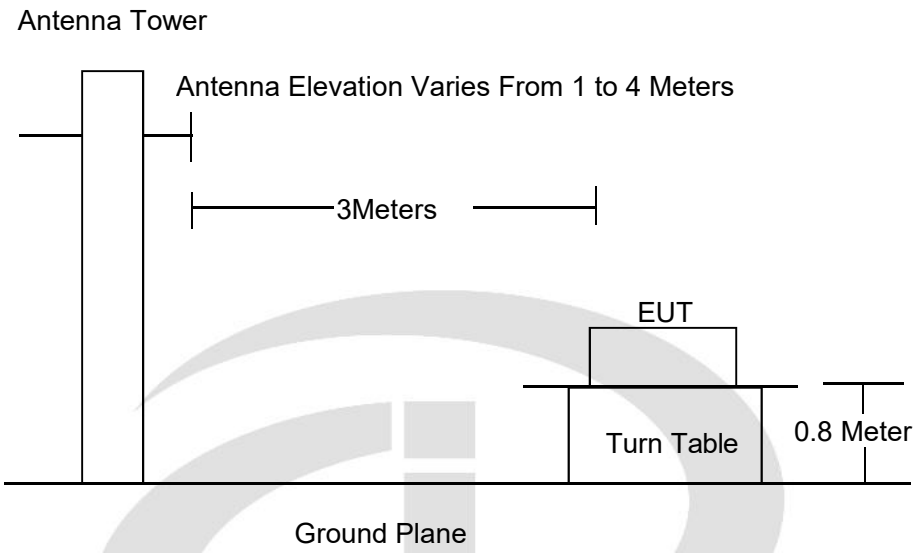
The frequency range from 150 KHz to 30 MHz is investigated.

3.7. Test Result

The product's power provide by battery, no requirement for this item.

4. RADIATION EMISSION TEST

4.1. Block Diagram of Test Setup



4.2. Test Standard

FCC PART 15 B

4.3. Radiation Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dBμV/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0

4.4. EUT Configuration on Test

The FCC PART 15 B regulations test method must be used to find the maximum emission during radiated emission test.

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

4.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.

4.6. Test Procedure

The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to FCC PART 15 B on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz below 1GHz, set at 1MHz above 1GHz

The frequency range from 30MHz to 1000MHz is checked.

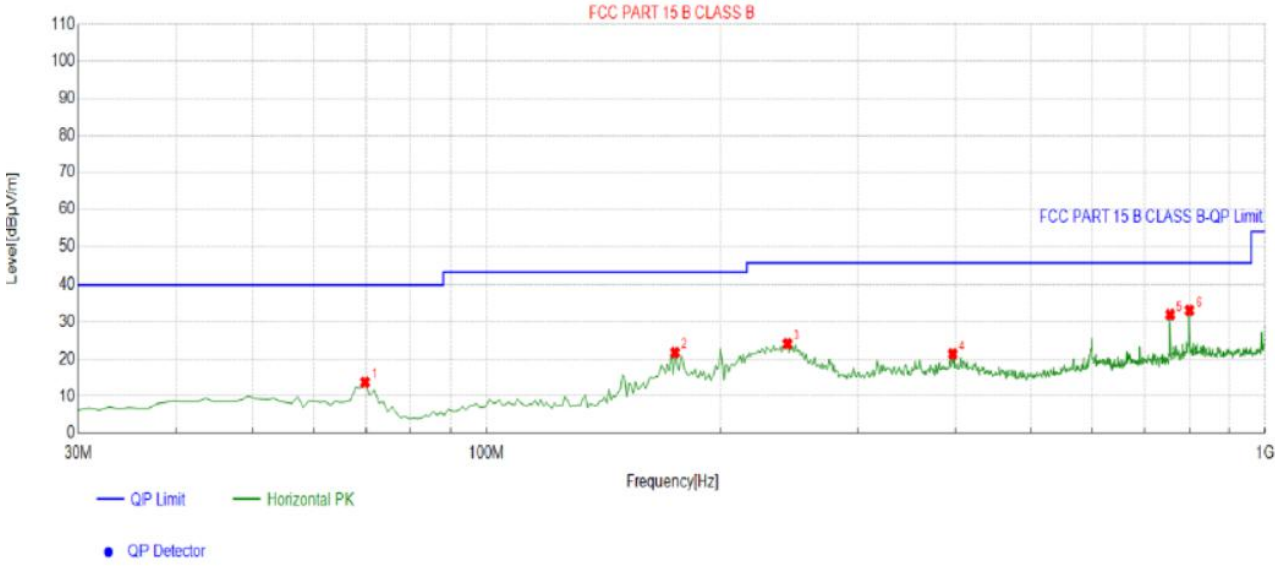
The highest frequency of the internal sources of the EUT was 1.3GHz, so the measurement was only made up to 6GHz.

4.7. Test Result

PASS

Please refer to the following page.

Radiation Emission Test Data			
EUT：	Egg beater	Model Name ：	SSS-EB001
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Polarization :	Horizontal
Test Voltage ：	DC 3V From battery	Test Mode：	Working

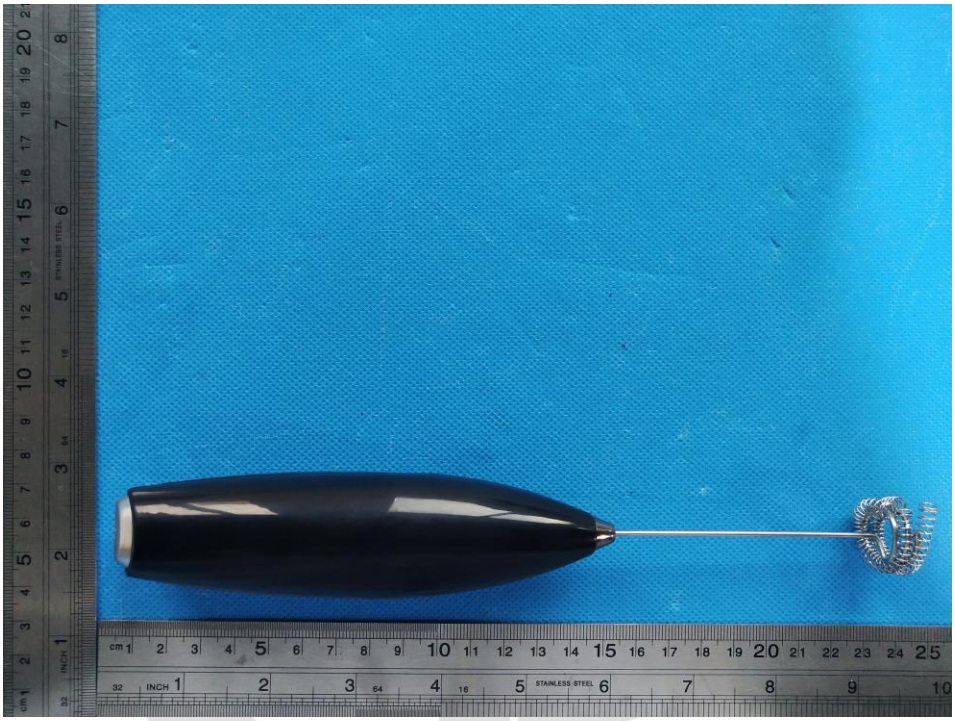


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	69.8098	-17.62	31.43	13.81	40.00	26.19	100	216	Horizontal
2	174.6747	-17.09	38.86	21.77	43.50	21.73	100	76	Horizontal
3	243.6136	-13.69	37.80	24.11	46.00	21.89	100	285	Horizontal
4	397.0270	-10.48	31.87	21.39	46.00	24.61	100	86	Horizontal
5	755.3153	-3.60	35.70	32.10	46.00	13.90	100	216	Horizontal
6	799.9800	-3.12	36.34	33.22	46.00	12.78	100	0	Horizontal

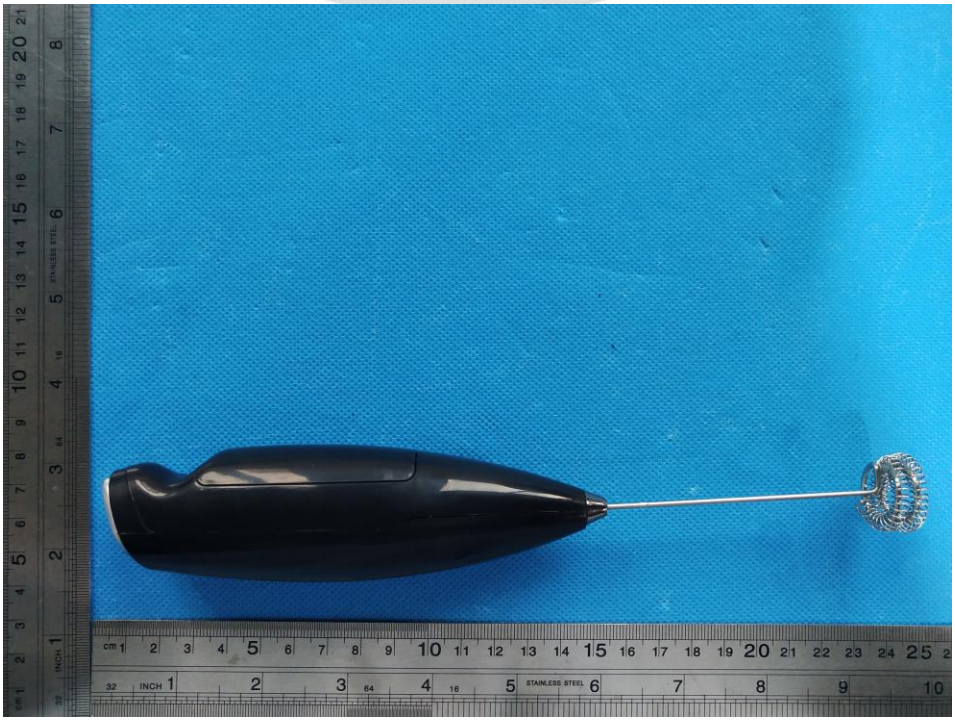
Radiation Emission Test Data			
EUT：	Egg beater	Model Name ：	SSS-EB001
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1009hPa	Polarization :	Vertical
Test Voltage ：	DC 3V From battery	Test Mode：	Working

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	68.8388	-17.38	37.02	19.64	40.00	20.36	100	237	Vertical
2	177.5876	-16.96	35.65	18.69	43.50	24.81	100	148	Vertical
3	226.1361	-14.41	32.00	17.59	46.00	28.41	100	264	Vertical
4	397.9980	-10.45	34.33	23.88	46.00	22.12	100	337	Vertical
5	599.9600	-6.11	33.62	27.51	46.00	18.49	100	344	Vertical
6	799.9800	-3.12	30.60	27.48	46.00	18.52	100	254	Vertical

5. EUT PHOTOGRAPHS

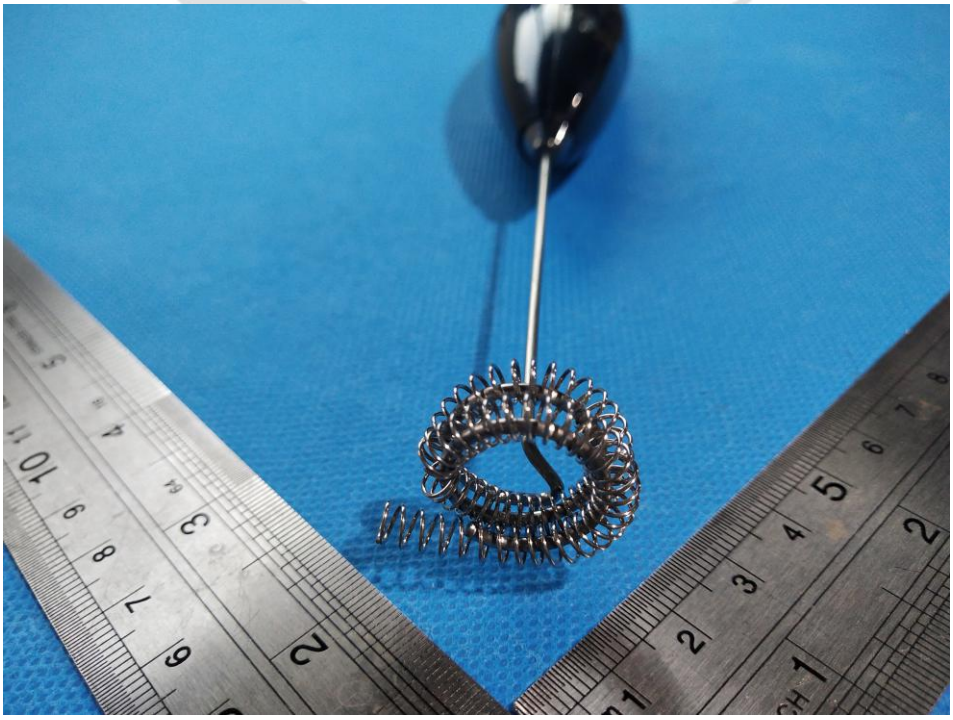


EUT Photo 1

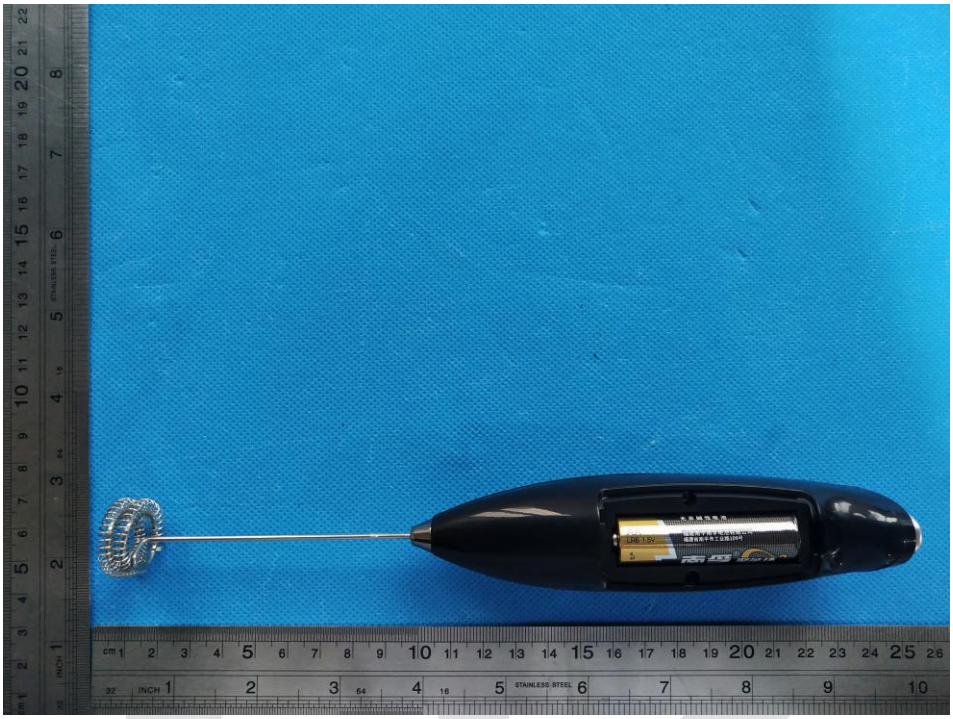


EUT Photo 2

EUT Photo 3



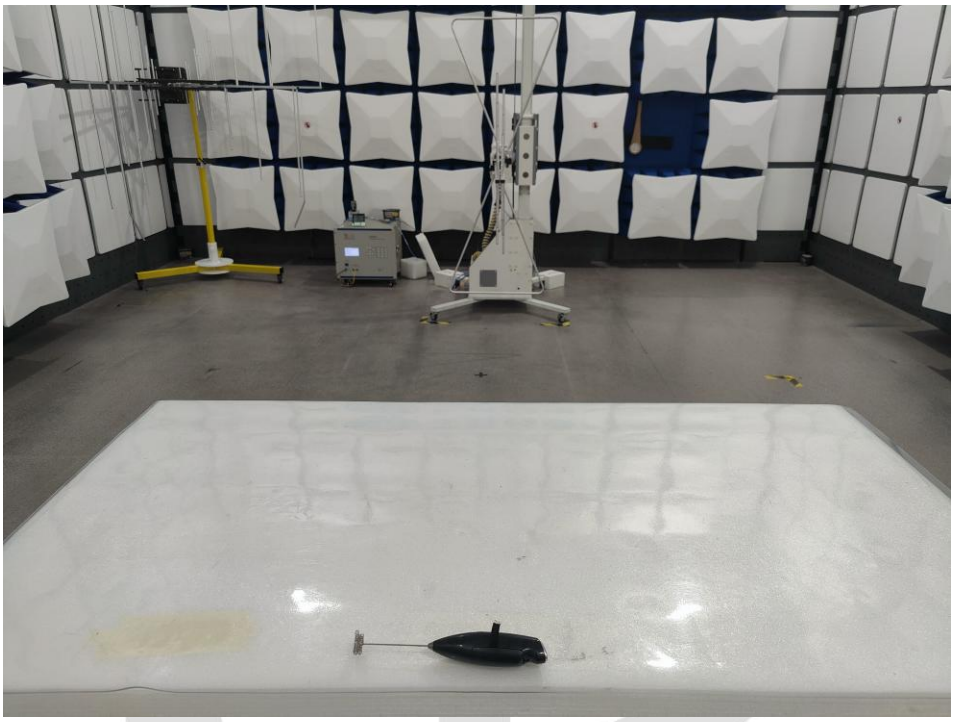
EUT Photo 4



EUT Photo 5

EUT Photo 6

6. EUT TEST PHOTOGRAPHS



EUT Photo RE

※※※※※ END OF REPORT ※※※※※

Supplier's Declaration of Conformity

Certificate Number: CCTI-2021102607C

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference

Applicant	:	**Dongguan Cycle Tree Industrial Co., Ltd.**
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Manufacturer	:	**Dongguan Cycle Tree Industrial Co., Ltd.**
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Product	:	**Egg beater**
Trademark	:	**N/A**
Model No.	:	**SSS-EB001 SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006,SSS-EB007, SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011,SSS-EB012,SSS-EB013, SSS-EB014**
Test Standard	:	**FCC Part 15 Subpart B**

Was tested to conform to the applicable FCC Rules and regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been enforced to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.

Identification of regulation: 47 CFR Part 15 Subpart B Class B, measurement Procedure: ANSI C63.4:2014.It is only Valid in connection with the test report number: CCTI-2021102607E.

SHENZHEN CCTI TECHNOLOGY CO., LTD. APPROVED

Manager

Nov. 01, 2021

Shenzhen CCTI Technology Co., Ltd.

Add: 7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Tel：400-188-9662 0755-27225865 Email：ccti@ccti-lab.com Web：www.ccti-lab.com

Test Report issued under the responsibility of:

中鉴检测 CCTI TESTING

EMC TEST REPORT

Report reference No..... :	CCTI-2021102605E
Date of issue ..... :	Nov. 01, 2021
Total number of pages..... :	34
Testing Laboratory name..... :	Shenzhen CCTI Technology Co., Ltd.
Address..... :	7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.
Applicant's name ..... :	Dongguan Cycle Tree Industrial Co., Ltd.
Address..... :	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province

Test specification

Standard..... :	EN 55014-1:2017+A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 55014-2:2015, EN 61000-4-2:2009, EN 61000-4-3:2006+A1:2008+A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2014+A1:2017, EN 61000-4-6:2014/AC:2015, EN 61000-4-11:2004+A1:2017
Test procedure ..... :	CE-EMC
Test Result ..... :	Pass

Test Report Form No..... :	--
TRF Originator ..... :	CCTI testing
Master TRF ..... :	Dated 2018-03

This device described above has been tested by CCTI, and the test results show that the equipment under test (EUT) is in compliance with the EMC Directive 2014/30/EU requirements. The results shown in this test report refer only to the sample(s) tested unless other wise stated and the sample(s) are retained for 30 days only.

Test item description ..... :	Egg beater
Trademark..... :	N/A
Manufacturer's name ..... :	Dongguan Cycle Tree Industrial Co., Ltd.
Address..... :	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Model and/or type reference..... :	SSS-EB001 SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006, SSS-EB007,SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011, SSS-EB012,SSS-EB013,SSS-EB014
Rating(s) ..... :	DC 3V From battery

Testing procedure and testing location:

Testing Laboratory.....:	**Shenzhen CCTI Technology Co., Ltd.**
Address.....:	7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Date of Test.....:	Oct. 21, 2021 to Nov. 01, 2021
Tested by (name + signature).....:	Nick Chan
Reviewed by (name + signature).....:	Sendy Wang
Approved by (name + signature).....:	Corey Mao

TABLE OF CONTENT

1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	:	Egg beater
Trademark	:	N/A
Model Number	:	SSS-EB001
Serial Model	:	SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006,SSS-EB007,SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011,SSS-EB012,SSS-EB013,SSS-EB014
Model Difference	:	The product is different for model number and power.
Power Supply	:	DC 3V From battery

Note: SSS-EB001 was selected as the test model and the datas have been recorded in this report.

1.2 Test Facility

Shenzhen CCTI Technology Co., Ltd.

7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.

1.3 Tested System Details

None.

1.4 Test Uncertainty

Conducted Emission Uncertainty	:	±2.66dB
Radiated Emission Uncertainty	:	±4.26dB

2. TEST INSTRUMENT USED

For Conducted Emission at the mains terminals Test

Conducted Emission Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
843 Shielded Room	ChengYu	843 Room	843	Mar. 12, 2021	Mar. 11, 2022
EMI Receiver	R&S	ESCI	101421	Mar. 12, 2021	Mar. 11, 2022
LISN	Schwarzbeck	NSLK8127	8127739	Mar. 12, 2021	Mar. 11, 2022
Attenuator	R&S	ESH3-Z2	CCTI021E	Mar. 12, 2021	Mar. 11, 2022
843 Cable 1#	FUJIKURA	843C1#	001	Mar. 12, 2021	Mar. 11, 2022

For Conducted Emission at the telecom port Test

Conducted Emission Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
843 Shielded Room	ChengYu	843 Room	843	Mar. 12, 2021	Mar. 11, 2022
EMI Receiver	R&S	ESCI	101421	Mar. 12, 2021	Mar. 11, 2022
Coupling/ Decoupling Network	PH	ISN T800	S1509001	Mar. 12, 2021	Mar. 11, 2022
Attenuator	R&S	ESH3-Z2	CCTI021E	Mar. 12, 2021	Mar. 11, 2022
843 Cable 1#	FUJIKURA	843C1#	001	Mar. 12, 2021	Mar. 11, 2022

For Radiated Emission Test

Radiation Emission Test (966 chamber)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	ChengYu	966 Room	966	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	Agilent	E4407B	MY45109572	Mar. 12, 2021	Mar. 11, 2022
Amplifier	Schwarzbeck	BBV9743	9743-119	Mar. 12, 2021	Mar. 11, 2022
Amplifier	Schwarzbeck	BBV9718	9718-270	Mar. 12, 2021	Mar. 11, 2022
Log-periodic Antenna	Schwarzbeck	VULB9160	VULB9160-3369	Mar. 12, 2021	Mar. 11, 2022
EMI Receiver	R&S	ESCI	101421	Mar. 12, 2021	Mar. 11, 2022
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1275	Mar. 12, 2021	Mar. 11, 2022
966 Cable 1#	CHENGYU	966	004	Mar. 12, 2021	Mar. 11, 2022
966 Cable 2#	CHENGYU	966	003	Mar. 12, 2021	Mar. 11, 2022

For Harmonic & Flicker Test

For Harmonic / Flicker Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Harmonic / Flicker Analyzer	KIKUSUI	KHA1000	VA002445	Mar. 12, 2021	Mar. 11, 2022
AC Power Supply	KIKUSUI	PCR4000M	UK001879	Mar. 12, 2021	Mar. 11, 2022
Line Impedance network	KIKUSUI	LIN1020JF	UL001611	Mar. 12, 2021	Mar. 11, 2022

For Electrostatic Discharge Immunity Test

For Electrostatic Discharge Immunity Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
ESD Tester	KIKISUI	KES4201A	UH002321	Mar. 12, 2021	Mar. 11, 2022

For RF Field Strength Susceptibility Test(SMQ)

For RF Field Strength Susceptibility Test (SMQ --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Signal Generator	HP	8648A	3625U00573	Mar. 12, 2021	Mar. 11, 2022
Amplifier	A&R	500A100	17034	Mar. 12, 2021	Mar. 11, 2022
Amplifier	A&R	100W/1000M1	17028	Mar. 12, 2021	Mar. 11, 2022
Audio Analyzer (20Hz~1GHz)	Panasonic	2023B	202301/428	Mar. 12, 2021	Mar. 11, 2022
Isotropic Field Probe	A&R	FP2000	16755	Mar. 12, 2021	Mar. 11, 2022
Antenna	EMCO	3108	9507-2534	Mar. 12, 2021	Mar. 11, 2022
Log-periodic Antenna	A&R	AT1080	16812	Mar. 12, 2021	Mar. 11, 2022

For Electrical Fast Transient /Burst Immunity Test

For Electrical Fast Transient/Burst Immunity Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Burst Tester	Prima	EFT61004AG	PR14054467	Mar. 12, 2021	Mar. 11, 2022
Coupling Clamp	Prima	EFT61004AG	CCTI009E	Mar. 12, 2021	Mar. 11, 2022

For Surge Test

For Surge Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Surge Tester	Prima	SUG61005BX	PR12045446	Mar. 12, 2021	Mar. 11, 2022

For Injected Currents Susceptibility Test

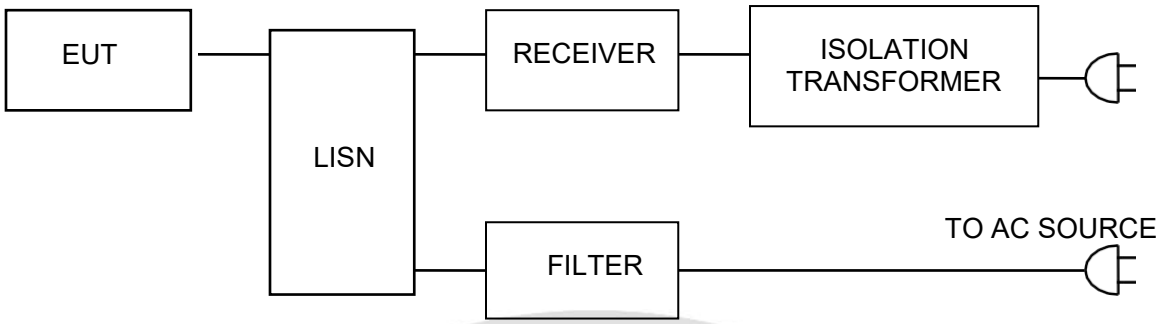
For Injected Currents Susceptibility Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
C/S Test System	SCHLODER	CDG600	126B1281	Mar. 12, 2021	Mar. 11, 2022
CDN	SCHLODER	CDN-M2+3	A2210320/2015	Mar. 12, 2021	Mar. 11, 2022
Injection Clamp	SCHLOBER	EMCL-20	132A1214/2015	Mar. 12, 2021	Mar. 11, 2022

For Voltage Dips Interruptions Test

For Voltage Dips Interruptions Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Dips Tester	Prima	DRP61011AG	PR14086284	Mar. 12, 2021	Mar. 11, 2022

3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

3.1 Block Diagram Of Test Setup



3.2 Test Standard

EN 55014-1:2017+A11:2020

3.3 Power Line Conducted Emission Limit

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4 EUT Configuration on Test

The following equipments are installed on conducted emission test to meet EN 55014-1 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT and simulators as shown in Section 3.1.

3.5.2 Turn on the power of all equipments.

3.5.3 Let the EUT work in test modes and test it.

3.6 Test Procedure

The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **EN 55014-1** regulations during conducted emission test.

The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

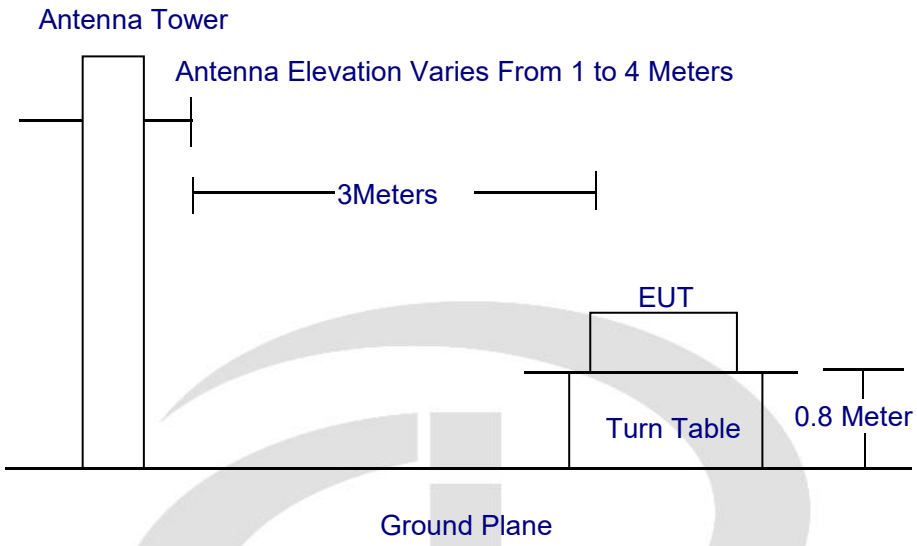
The frequency range from 150 KHz to 30 MHz is investigated.

3.7 Test Result

The product's power provide by battery, no requirement for this item.

4. RADIATION EMISSION TEST

4.1 Block Diagram of Test Setup



4.2 Test Standard

EN 55014-1:2017+A11:2020

4.3 Radiation Limit

Frequency MHz	Distance (Meters)	Field Strengths Limits dB(μV)/m	Detector
30 ～ 230	3	40.0	QP
230 ～ 1000	3	47.0	QP

Remark:

(1) Emission level (dB(μV)/m) = 20 log Emission level (μV/m)

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance refers to the distance in meters between the measuring instrument, antenna and the closed point of any part of the device or system.

4.4 EUT Configuration on Test

The EN 55014-1 regulations test method must be used to find the maximum emission during radiated emission test.

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

4.5 Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.

4.6 Test Procedure

The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to EN 55014-1 on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz below 1GHz, set at 1MHz above 1GHz

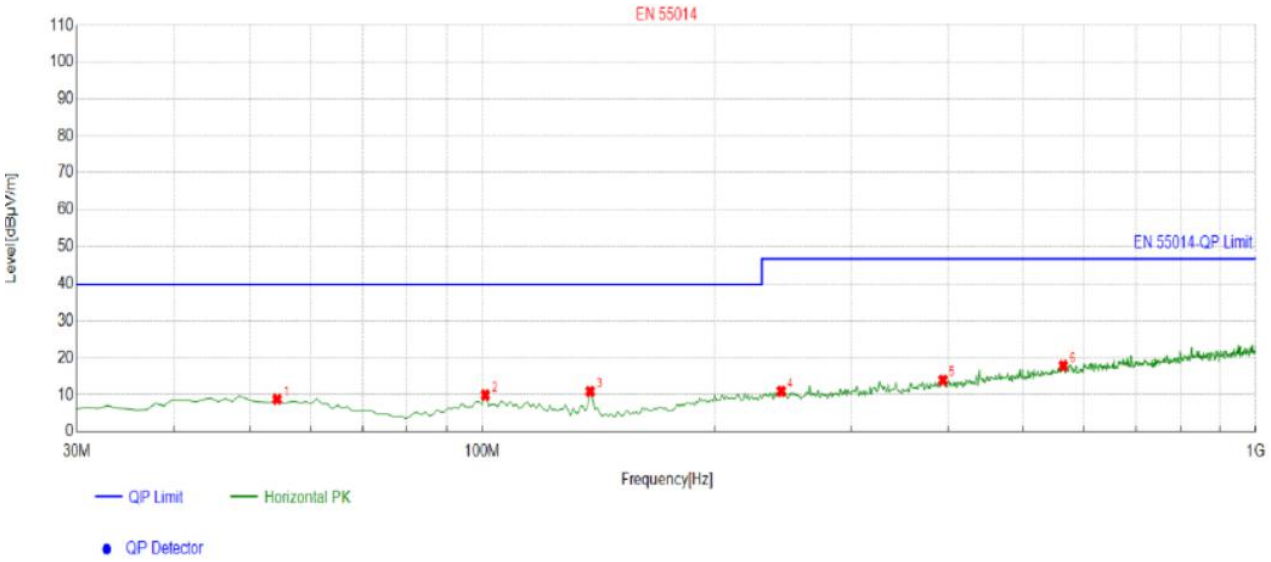
The frequency range from 30MHz to 1000MHz is checked.

4.7 Test Result

PASS

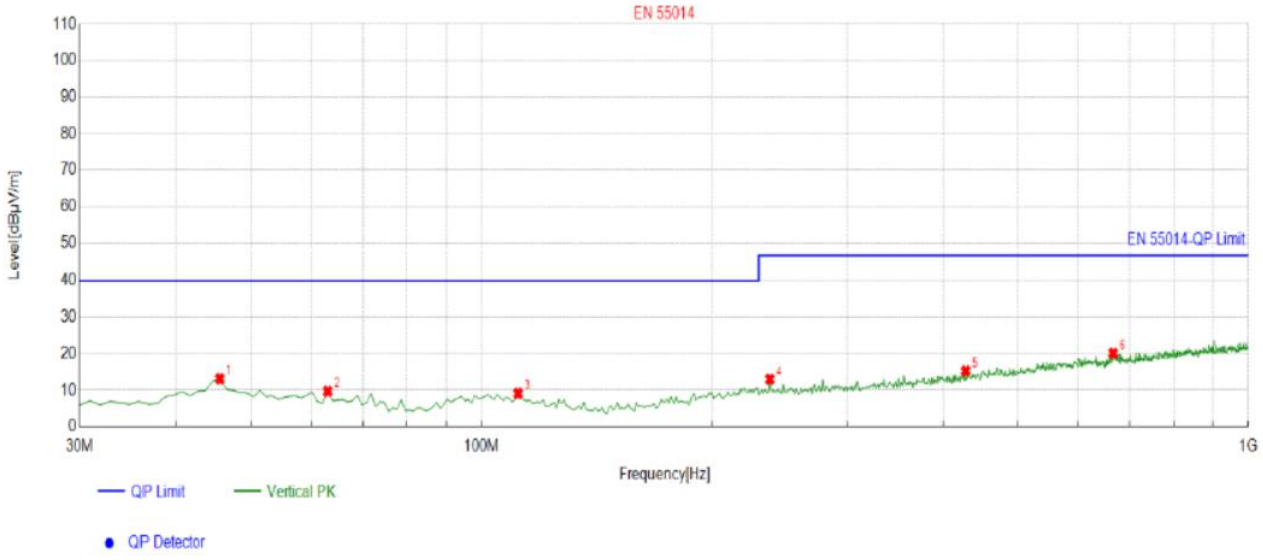
Please refer to the following page.

Radiation Emission Test Data			
Temperature:	24.5 ℃	Relative Humidity:	54%
Pressure:	1009hPa	Phase :	Horizontal
Test Voltage :	DC 3V From battery	Test Mode:	Working



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	54.2743	-14.30	23.09	8.79	40.00	31.21	100	259	Horizontal
2	100.8809	-15.40	25.33	9.93	40.00	30.07	100	259	Horizontal
3	137.7778	-19.04	29.99	10.95	40.00	29.05	100	355	Horizontal
4	243.6136	-13.69	24.69	11.00	47.00	36.00	100	36	Horizontal
5	394.1141	-10.55	24.54	13.99	47.00	33.01	100	138	Horizontal
6	564.0340	-6.57	24.54	17.97	47.00	29.03	100	212	Horizontal

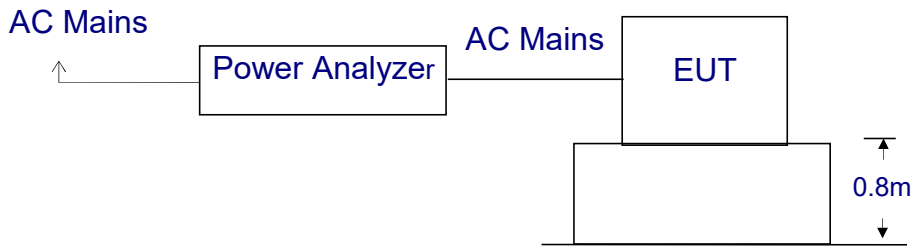
Radiation Emission Test Data			
Temperature:	24.5 ℃	Relative Humidity:	54%
Pressure:	1009hPa	Phase :	Vertical
Test Voltage :	DC 3V From battery	Test Mode:	Working



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.5355	-13.65	26.81	13.16	40.00	26.84	100	359	Vertical
2	63.0130	-15.92	25.62	9.70	40.00	30.30	100	111	Vertical
3	111.5616	-15.69	24.80	9.11	40.00	30.89	100	1	Vertical
4	237.7878	-13.96	26.98	13.02	47.00	33.98	100	175	Vertical
5	428.0981	-9.89	25.19	15.30	47.00	31.70	100	41	Vertical
6	666.9570	-4.75	24.90	20.15	47.00	26.85	100	1	Vertical

5. HARMONIC CURRENT EMISSION TEST

5.1 Block Diagram of Test Setup



5.2 Test Standard

EN IEC 61000-3-2:2019

5.3 Operating Condition of EUT

5.3.1 Setup the EUT as shown in Section 5.1.

5.3.2 Turn on the power of all equipments.

5.3.3 Let the EUT work in test mode and test it.

5.4 Test Procedure

The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

5.5 Test Results

The product's power provide by battery, no requirement for this item.

6. FLUCTUATIONS & FLICKER TEST

6.1 Block Diagram of Test Setup

Same as Section 5.1..

6.2 Test Standard

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

6.3 Operating Condition of EUT

Same as Section 5.3.. The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

Flicker Test Limit

Test items	Limits
Pst	1.0
dc	3.3%
Tmax	4.0%
dt	Not exceed 3.3% for 500ms

6.4 Test Procedure

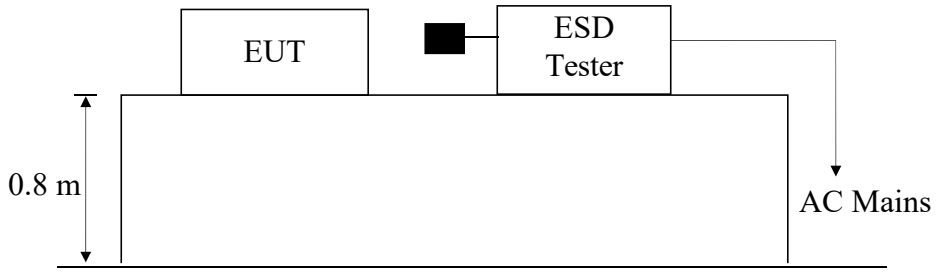
The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

6.5 Test Results

The product's power provide by battery, no requirement for this item.

7. ELECTROSTATIC DISCHARGE IMMUNITY TEST

7.1 Block Diagram of Test Setup



7.2 Test Standard

EN 55014-2:2015, EN 61000-4-2:2009

Severity Level: 3 / Air Discharge:±8KV

Level: 2 / Contact Discharge:±4KV

7.3 Severity Levels and Performance Criterion

7.3.1 Severity level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
1.	±2	±2
2.	±4	±4
3.	±6	±8
4.	±8	±15
X	Special	Special

7.3.2 Performance criterion : B

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 equipment is used as intended.

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. 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.

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.

7.4 EUT Configuration

The following equipments are installed on Electrostatic Discharge Immunity test to meet EN 55014-2:2015, EN 61000-4-2:2009, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. The configuration of EUT is the same as used in conducted emission test.

Please refer to Section 2.4.

7.5 Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 3.5 except the test setup replaced by Section 7.1.2.

7.6 Test Procedure

7.6.1 Air Discharge:

This test is done on a non-conductive surface. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT. After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed.

7.6.2 Contact Discharge:

All the procedure shall be same as Section 7.6.1. Except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

7.6.3 Indirect discharge for horizontal coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the center point of each unit (if applicable) of the EUT and 0.1m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge.

7.6.4 Indirect discharge for vertical coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are complete illuminated.

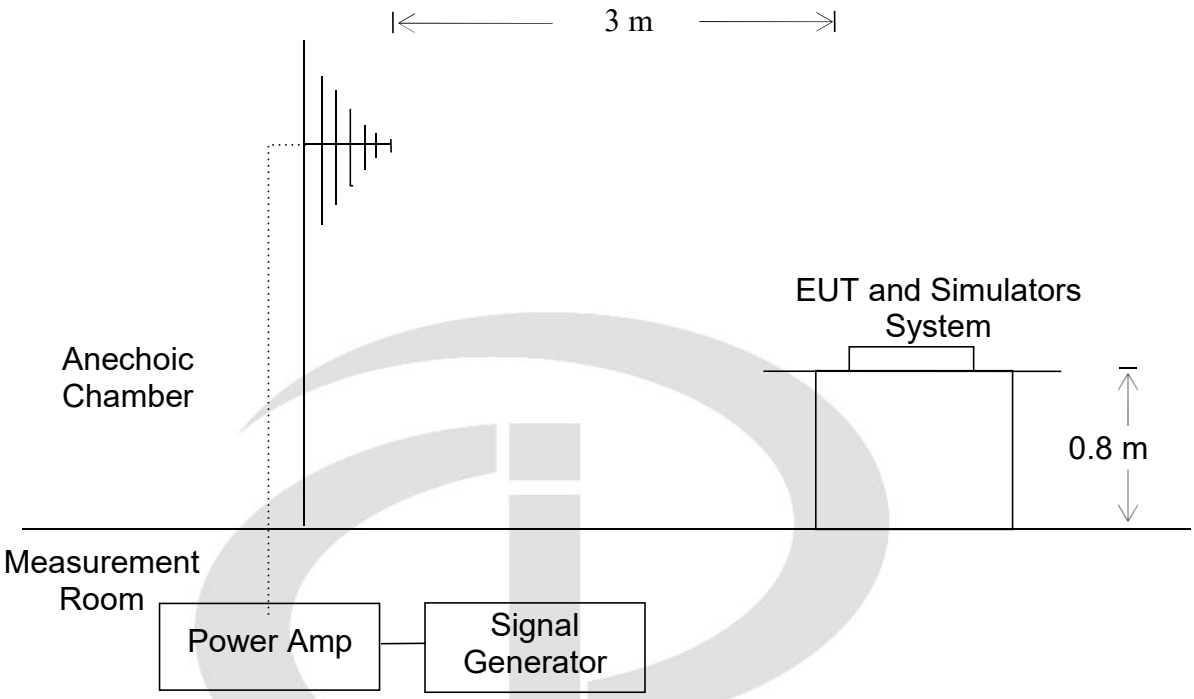
7.7 Test Results

PASS

ESD Test Data				
Temperature:	24.5℃	Humidity:	53%	
Power Supply :	DC 3V From battery	Test Mode:	On	
Air Discharge: ± 8KV Contact Discharge: ± 4KV				
Test Points	Air Discharge	Contact Discharge	Performance Criterion	Result
Enclosure	±2,4,8KV	N/A	B	PASS
Slit	±2,4,8KV	N/A	B	PASS
Metal Part	N/A	±2,4 KV	B	PASS
VCP	N/A	±2,4 KV	B	PASS
HCP	N/A	±2,4 KV	B	PASS
Note: N/A				

8. RF FIELD STRENGTH SUSCEPTIBILITY TEST

8.1 Block Diagram of Test Setup



8.2 Test Standard

EN 55014-2:2015

EN 61000-4-3:2006+A1:2008+A2:2010

Severity Level 2, 3V / m

8.3 Severity Levels and Performance Criterion

8.3.1 Severity level

Level	Field Strength V/m
1.	1
2.	3
3.	10
X.	Special

8.3.2 Performance criterion: A

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.

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. 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.

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.

8.4 EUT Configuration on Test

The following equipments are installed on Electrical Fast Transient/Burst Immunity test to meet EN 55014-2:2015, EN 61000-4-4:2012, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. The configuration of EUT is the same as used in conducted emission test.

Please refer to Section 3.4.

8.5 Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.5 except the test setup replaced by Section 8.1.

8.6 Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. EUT is set 3 meter away from the transmitting antenna which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna are set on test. Each of the four sides of EUT must be faced this transmitting antenna and measured individually.

All the scanning conditions are as follows：

Condition of Test	Remarks
1. Fielded Strength	3 V/m (Severity Level 2)
2. Radiated Signal	Modulated
3. Scanning Frequency	80 – 1000 MHz
4. Dwell time of radiated	0.0015 decade/s
5. Waiting Time	1 Sec.

8.7 Test Results

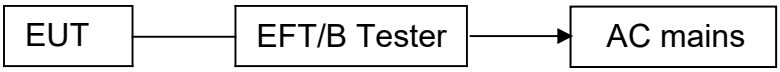
PASS

Please refer to the following page.

R/S Test Data			
Temperature : 25℃		Humidity : 53%	
Field Strength: 3 V/m		Criterion: A	
Power Supply: DC 3V From battery		Frequency Range: 80 MHz to 1000 MHz	
Modulation: ☑ AM ☐ Pulse ☐none 1 KHz 80%			
Test Mode：On			
	Frequency Range : 80-1000MHz		
Steps	1 %		
	Horizontal	Vertical	Result
Front	A	A	Pass
Right	A	A	Pass
Rear	A	A	Pass
Left	A	A	Pass
Note: N/A			

9. ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST

9.1 Block Diagram of EUT Test Setup



9.2 Test Standard

EN 55014-2:2015, EN 61000-4-4:2012

9.3 Severity Levels and Performance Criterion

Severity Level 2 at 1KV, Pulse Rise time & Duration: 5 nS / 50 nS

Severity Level:

Open Circuit Output Test Voltage ±10%		
Level	On power ports	On I/O(Input/Output) Signal data and control ports
1.	0.5KV	0.25KV
2.	1KV	0.5KV
3.	2KV	1KV
4.	4KV	2KV
X.	Special	Special

Performance criterion: B

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.

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. 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.

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.

9.4 EUT Configuration on Test

The following equipments are installed on Electrical Fast Transient/Burst Immunity test to meet EN 55014-2:2015, EN 61000-4-4:2012, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. The configuration of EUT is the same as used in conducted emission test.

Please refer to Section 3.4.

9.5 Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.6 except the test setup replaced by Section 9.1.

9.6 Test Procedure

EUT shall be placed 0.8m high above the ground reference plane which is a min.1m*1m metallic sheet with 0.65mm minimum thickness. This reference ground plane shall project beyond the EUT by at least 0.1m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane beneath the EUT, shall be more than 0.5m

9.6.1 For input and output AC power ports:

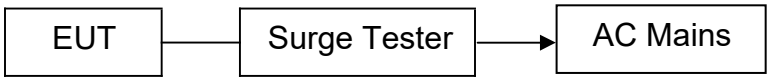
The EUT is connected to the power mains by using a coupling device which couples the EFT interference signal to AC power lines. Both polarities of the test voltage should be applied during compliance test and the duration of the test is 2 minutes.

9.7 Test Results

The product's power provide by battery, no requirement for this item.

10. SURGE TEST

10.1 Block Diagram of EUT Test Setup



10.2 Test Standard

EN 55014-2:2015, EN 61000-4-5:2014+A1:2017

10.3 Severity Levels and Performance Criterion

Severity Level: Line to Line, Level 2 at 1KV;

Severity Level: Line to Earth, Level 3 at 2KV.

Severity Level	Open-Circuit Test Voltage (KV)
1.	0.5
2.	1.0
3.	2.0
4.	4.0
X.	Special

Performance criterion: B

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.

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. 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.

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.

10.4 EUT Configuration on Test

The following equipments are installed on Electrical Fast Transient/Burst Immunity test to meet EN 55014-2:2015, EN 61000-4-5:2014+A1:2017, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 3.4.

10.5 Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.7 except the test setup replaced by Section 10.1.

10.6 Test Procedure

(1) Set up the EUT and test generator as shown on section 10.1

(2) For line to line coupling mode, provide a 1KV 1.2/50us voltage surge (at open-circuit condition) and 8/20us current surge to EUT selected points.

(3) At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are conducted during test.

(4) Different phase angles are done individually.

(5) Repeat procedure 2) to 4) except the open-circuit test voltage change from 1KV to 2KV for line to earth coupling mode test.

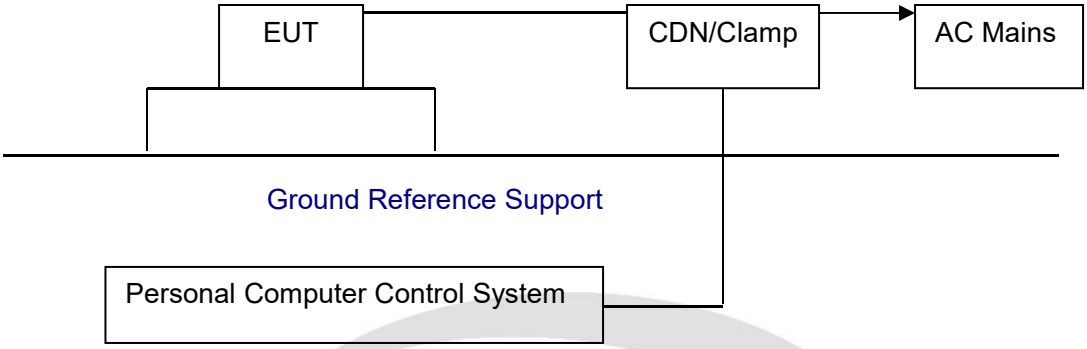
(6) Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

10.7 Test Result

The product's power provide by battery, no requirement for this item.

11. INJECTED CURRENTS SUSCEPTIBILITY TEST

11.1 Block Diagram of EUT Test Setup



11.2 Test Standard

EN 55014-2:2015, EN 61000-4-6:2014/AC:2015

11.3 Severity Levels and Performance Criterion

Severity Level 2: 3V(rms), 150KHz ～ 80MHz

Severity Level:

Level	Field Strength V
1.	1
2.	3
3.	10
X.	Special

Performance criterion: A

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.

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. 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.

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.

11.4 EUT Configuration on Test

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.8.

11.5 Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.8 except the test set up replaced as Section 11.1.

11.6 Test Procedure

(1) Set up the EUT, CDN and test generator as shown on section 11.1

(2) Let EUT work in test mode and measure.

(3) The EUT and supporting equipments are placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane at above 0.1-0.3m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be between 30 and 50 mm (where possible).

(4) The disturbance signal described below is injected to EUT through CDN.

(5) The EUT operates within its operational mode(s) under intended climatic conditions after power on.

(6) The frequency range is swept from 150KHz to 80MHz using 3V signal level, and with the disturbance signal 80% amplitude modulated with a 1KHz sine wave.

(7) The rate of sweep shall not exceed 1.5×10^{-3} decades/s. Where the frequency is swept incrementally, the step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.

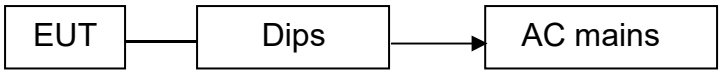
(8) Recording the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

11.7 Test Result

The product's power provide by battery, no requirement for this item.

12. VOLTAGE DIPS AND INTERRUPTIONS TEST

12.1 Block Diagram of EUT Test Setup



12.2 Test Standard

EN 55014-2:2015, EN 61000-4-11:2004+A1:2017

12.3 Severity Levels and Performance Criterion

Severity Level:

Input and Output AC Power Ports.

☑ Voltage Dips.

☑ Voltage Interruptions.

Environmental Phenomena	Test Specification	Units	Performance Criterion
Voltage Dips	70 25	% Reduction period	C
	40 10	% Reduction period	C
Voltage Interruptions	0 0.5	% Reduction period	C

Performance criterion: B, C, C

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.

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. 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.

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.

12.4 EUT Configuration on Test

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.10.

12.5 Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.10 except the test set up replaced as Section 13.1.

12.6 Test Procedure

(1) Set up the EUT and test generator as shown on section 13.1

(2) The interruption is introduced at selected phase angles with specified duration. There is a 3mins minimum interval between each test event.

(3) After each test a full functional check is performed before the next test.

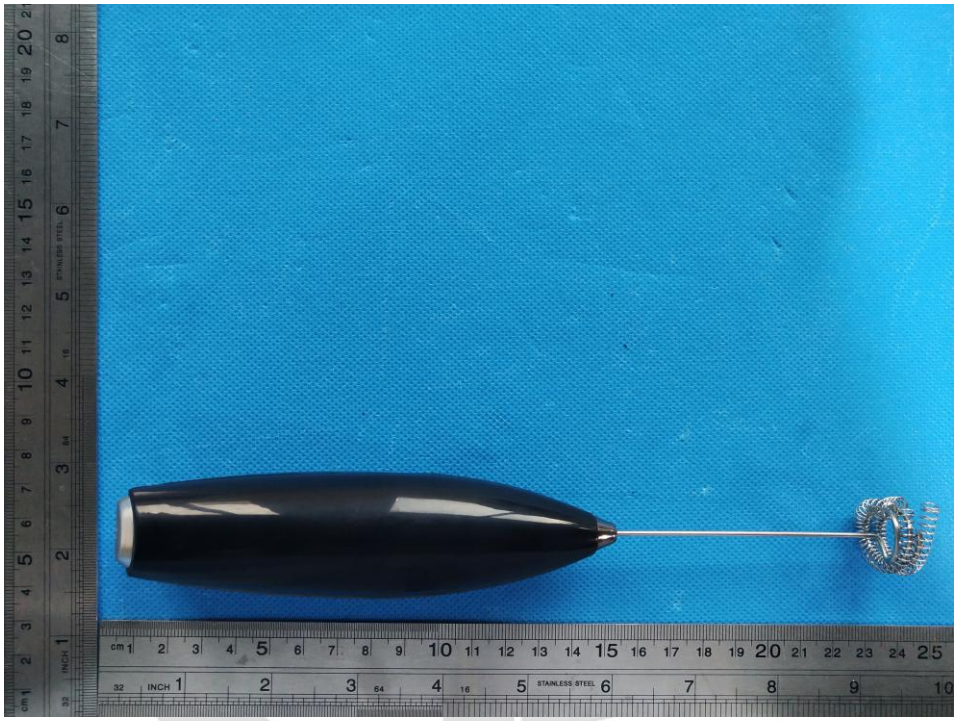
(4) Repeat procedures 2 & 3 for voltage dips, only the level and duration is changed.

(5) Record any degradation of performance.

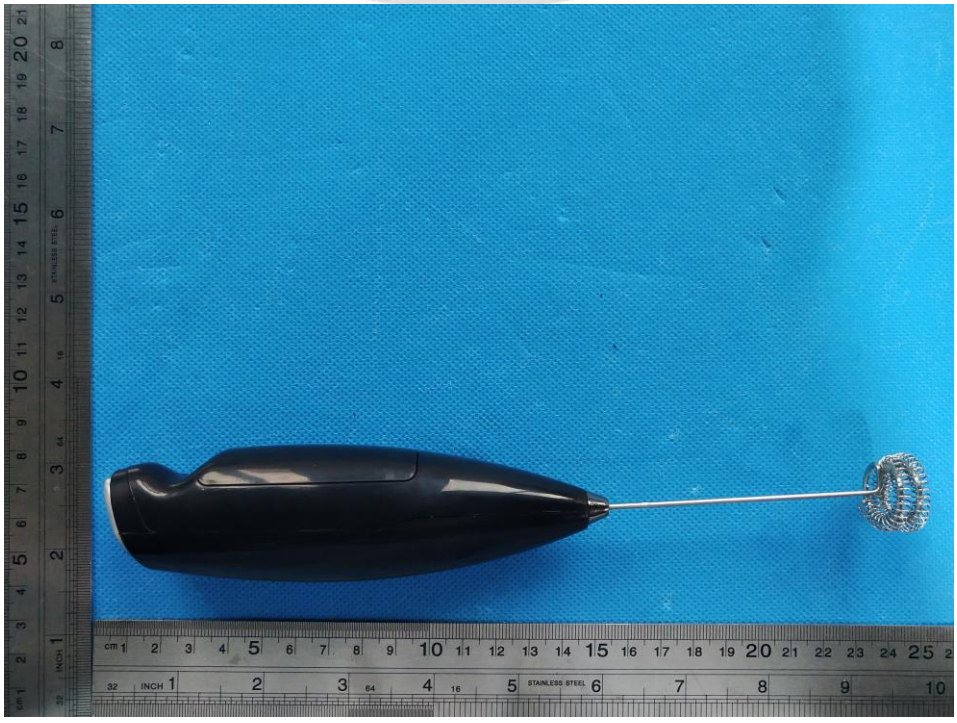
12.7 Test Result

The product's power provide by battery, no requirement for this item.

13. EUT PHOTOGRAPHS

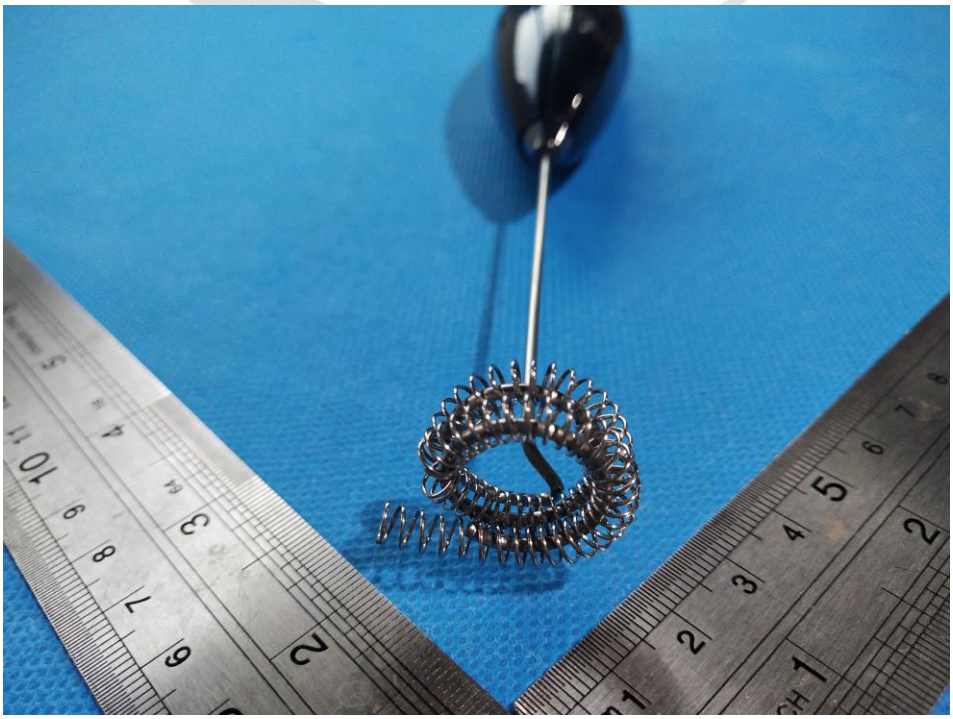


EUT Photo 1

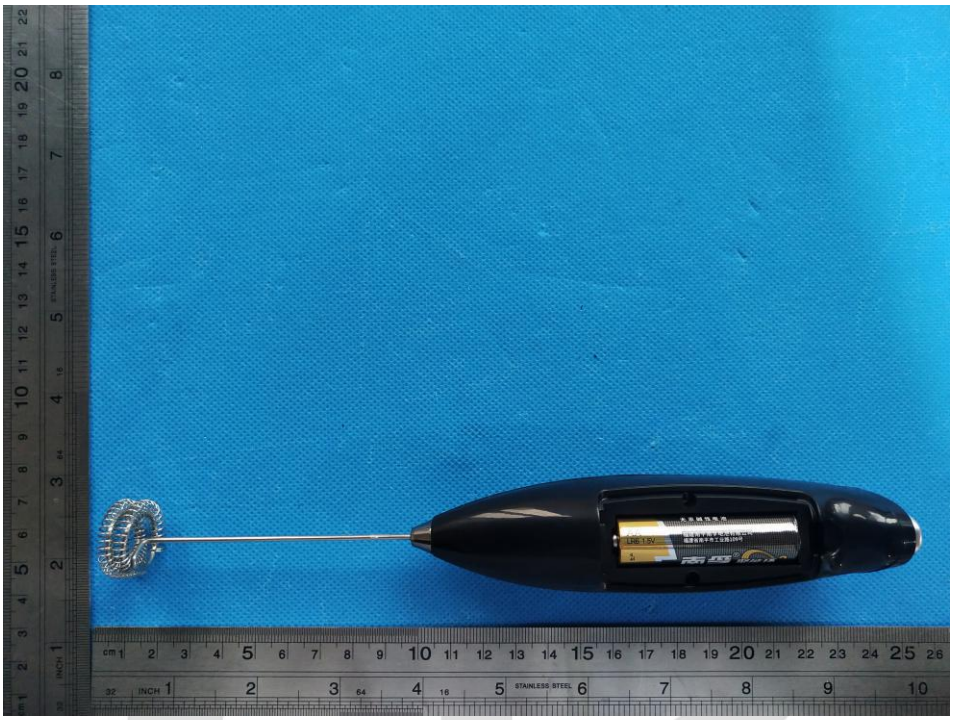


EUT Photo 2

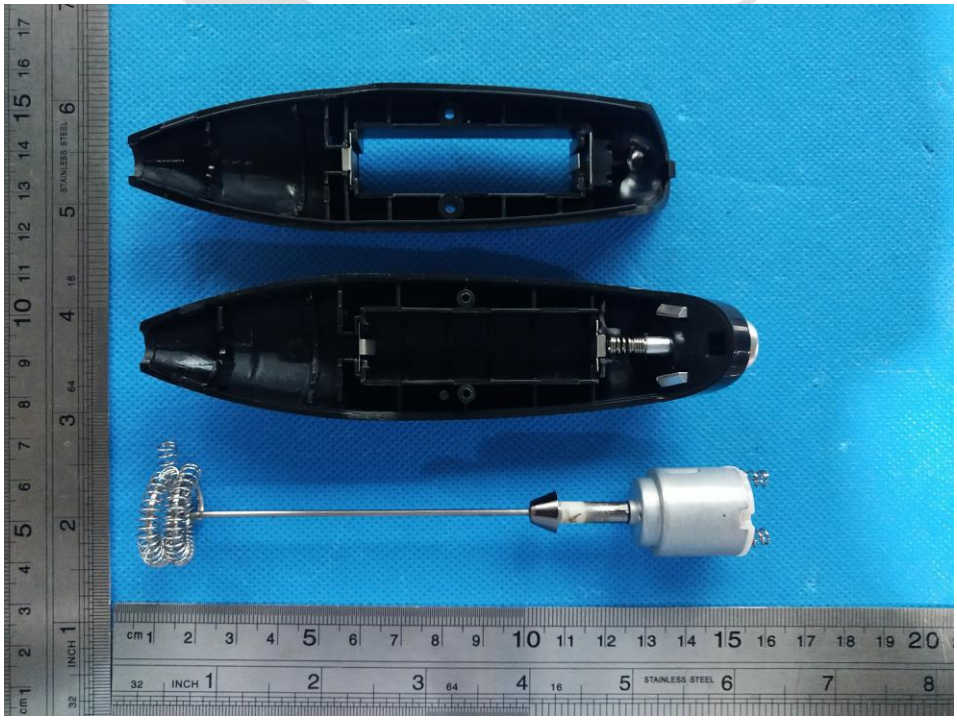
EUT Photo 3



EUT Photo 4

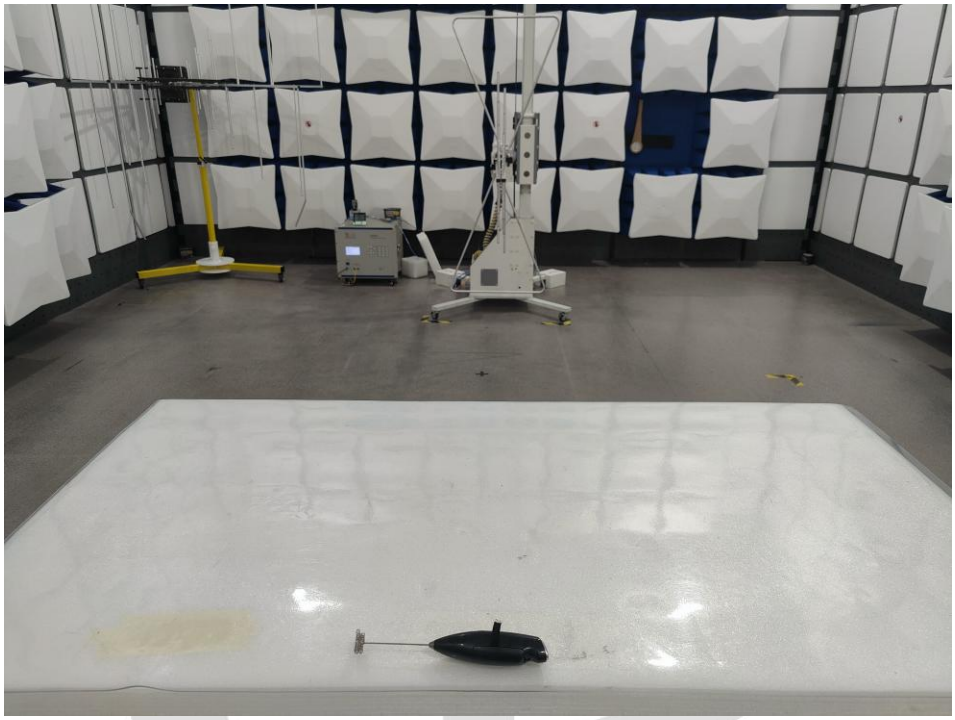


EUT Photo 5



EUT Photo 6

14. EUT TEST PHOTOGRAPHS



EUT Photo RE

※※※※※ END OF REPORT ※※※※※

Certificate of Compliance

Certificate Number: CCTI-2021102605C

Applicant	:	**Dongguan Cycle Tree Industrial Co., Ltd.**
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Manufacturer	:	**Dongguan Cycle Tree Industrial Co., Ltd.**
Address	:	Building 1, No. 53, Xitou Yanhe Road, Houjie Town, Dongguan City, Guangdong Province
Product	:	**Egg beater**
Trademark	:	**N/A**
Model No.	:	**SSS-EB001 SSS-EB002,SSS-EB003,SSS-EB004,SSS-EB005,SSS-EB006,SSS-EB007, SSS-EB008,SSS-EB009,SSS-EB010,SSS-EB011,SSS-EB012,SSS-EB013, SSS-EB014**
Test Standard	:	**EN 55014-1:2017+A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019 EN 55014-2:2015**

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of EMC Directive 2014/30/EU. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes overleaf. It is only valid in connection with the test report Number: CCTI-2021102605E.

CE

SHENZHEN CCTI TECHNOLOGY CO., LTD. APPROVED

Manager

Nov. 01, 2021

Shenzhen CCTI Technology Co., Ltd.

Add: 7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Tel：400-188-9662 0755-27225865 Email：ccti@ccti-lab.com Web：www.ccti-lab.com