#### **EMC TEST REPORT**

For

Powerbank with earbuds

Test Model:

Prepared for : Address :

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.

Address : Room 101, 201, Building A and Room 301, Building C, Juji

Industrial Park, Yabianxueziwei, Shajing Street, Bao'an

District, Shenzhen, Guangdong, China

Tel : (+86)755-82591330 Fax : (+86)755-82591332 Web : www.LCS-cert.com

Mail : webmaster@LCS-cert.com

Date of receipt of test sample : June 12, 2020

Number of tested samples : 1

Serial number : Prototype

Date of Test : June 12, 2020 ~ June 19, 2020

Date of Report : June 22, 2020



#### **EMC TEST REPORT**

EN 55032: 2015

Electromagnetic compatibility of multimedia equipment - Emission Requirements

EN 55035: 2017

Electromagnetic compatibility of multimedia equipment – Immunity requirements

Report Reference No. .....: LCS200608113AE

Date of Issue.....: June 22, 2020

Testing Laboratory Name.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Address...... : Room 101, 201, Building A and Room 301, Building C, Juji

Industrial Park, Yabianxueziwei, Shajing Street, Bao' an

District, Shenzhen, Guangdong, China

Testing Location/ Procedure.... : Full application of Harmonised standards

Partial application of Harmonised standards

Other standard testing method  $\square$ 

Applicant's Name....::

Address....:

Test Specification

Standard..... : EN 55032: 2015

EN 55035: 2017

Test Report Form No.....: LCSEMC-1.0

TRF Originator...... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF.....: Dated 2011-03

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Test Item Description.....: Powerbank with earbuds

Trade Mark.....: N/A

Test Model....:

Ratings ...... Please Refer to Page 9

Result .....: Positive

Compiled by:

Supervised by:

Cindy Nie

Jason Deng

Cindy Nie/ File administrators

Jason Deng / Technique principal

Gavin Liang/ Manager

Test Report No. :

LCS200608113AE

#### Report No.: LCS200608113AE

June 20, 2020

Date of issue

# **EMC -- TEST REPORT**

Test Result Positive

The test report merely corresponds to the test sample.

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# **Revision History**

Revision	Issue Date	Revisions	Revised By
000	June 22, 2020	Initial Issue	Gavin Liang

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SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.	Report No.: LCS200608113A
1. TEST STANDARDS	
The tests were performed according to following standard	ds:
EN 55032: 2015 Electromagnetic compatibility of multimedia eq	juipment - Emission Requiremer
EN 55035: 2017 Electromagnetic compatibility of multimedia eq	uipment – Immunity requiremen
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#### 2.SUMMARY OF STANDARDS AND RESULTS

## 2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

Emission (EN 55032: 2015)							
Description of Test Item	Standard	Limits	Results				
Conducted disturbance at mains terminals	EN 55032: 2015	Class B	N/A				
Conducted disturbance at telecommunication port	EN 55032: 2015	Class B	N/A				
Radiated disturbance	EN 55032: 2015	Class B	PASS				
Harmonic current emissions	EN 61000-3-2: 2014	Class A	N/A				
Voltage fluctuations & flicker	EN 61000-3-3: 2013		N/A				
	Immunity (EN 55035: 2017)						
Description of Test Item	Basic Standard	Performance Criteria	Results				
Electrostatic Discharge (ESD)	EN 61000-4-2: 2009	В	PASS				
Radio-frequency, Continuous Radiated Disturbance	EN 61000-4-3: 2006+A2: 2010	Α	PASS				
Electrical Fast Transient (EFT)	EN 61000-4-4: 2012	В	N/A				
Surge (Input a.c. Power Ports)		В	N/A				
Surge (Telecommunication Ports)	EN 61000-4-5: 2014+A1: 2017	В	N/A				
Radio-frequency, Continuous Conducted Disturbance	EN 61000-4-6: 2014	Α	N/A				
Power Frequency Magnetic Field	EN 61000-4-8: 2010	А	PASS				
Voltage Dips, >95% Reduction		В	N/A				
Voltage Dips, 30% Reduction	EN 61000-4-11: 2004+A1: 2017	С	N/A				
Voltage Interruptions		С	N/A				
***Note: N/A is an abbreviat	ion for Not Applicable.						

Test mode:				
Mode 1	Discharging	Record		
Mode 2	Charging	Pre-scan		
***Note: All test modes were tested, but we only recorded the worst case in this report.				

#### 2.2. Description of Performance Criteria

General Performance Criteria

Examples of functions defined by the manufacturer to be evaluated during testing include, but are not limited to, the following:

essential operational modes and states;

#### 2.2.1. Performance criterion A

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 manufacture 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 deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

#### 2.2.2. Performance criterion B

After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacture, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

During the test, degradation of performance is allowed. However, no change of operation 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 deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

#### 2.2.3. Performance criterion 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 manufacture's instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be loss.

#### 3. GENERAL INFORMATION

### 3.1. Description of Device (EUT)

EUT : Powerbank with earbuds

Trade Mark : N/A

Test Model : XO-9873

Power Supply : DC 5V

Highest internal frequency (Fx)	Highest measured frequency
Fx ≤ 108 MHz	1 GHz
108 MHz < Fx ≤ 500 MHz	2 GHz
500 MHz < Fx ≤ 1 GHz	5 GHz
Fx > 1 GHz	5 × Fx up to a maximum of 6 GHz

NOTE 1 For FM and TV broadcast receivers, Fx is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies. Where Fx is unknown, the radiated emission measurements shall be performed up to 6 GHz.

#### 3.2. Description of Test Facility

FCC Registration Number is 254912.

Industry Canada Registration Number is 9642A.

ESMD Registration Number is ARCB0108.

UL Registration Number is 100571-492.

TUV SUD Registration Number is SCN1081.

TUV RH Registration Number is UA 50296516-001

NVLAP Registration Code is 600167-0.

#### 3.3. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
1	1	1	1	1

Report No.: LCS200608113AE

#### 3.4. Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

#### 3.5. Measurement Uncertainty

Test	Parameters	Expanded Uncertainty (U <sub>lab</sub> )	Expanded Uncertainty (U <sub>cispr</sub> )
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	$\pm$ 3.8 dB $\pm$ 3.4 dB
Power Disturbance	Level accuracy (30MHz to 300MHz)	± 2.90dB	± 4.5 dB
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 3.60 dB	± 3.3 dB
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.68 dB	N/A
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	± 5.2 dB
Mains Harmonic	Mains Harmonic Voltage		N/A
Voltage Fluctuations & Flicker	Voltage	± 0.510%	N/A
EMF	/	± 21.59%	N/A

<sup>1)</sup> Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

<sup>2)</sup> The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

# 4. MEASURING DEVICES AND TEST EQUIPMENT

#### Radiated Disturbance

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	EZ	ZE-EMC	1	N/A	N/A
2	3m Fully Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2019-09-27	2020-09-26
3	Positioning Controller	MF	MF-7082	1	2020-06-11	2021-06-10
4	By-log Antenna	SCHWARZBE	VULB9163	9163-470	2019-07-25	2020-07-24
5	Horn Antenna	SCHWARZBE	BBHA 9120D	9120D-1925	2019-07-01	2020-06-30
6	EMI Test Receiver	R&S	ESR 7	101181	2020-06-11	2021-06-10
7	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14	2020-11-13
8	Broadband Preamplifier	phx	BP-01M18G	P190501	2019-07-01	2020-06-30
9	RF Cable-R03m	Jye Bao	RG142	CB021	2020-06-11	2021-06-10
10	RF Cable-HIGH	SUHNER	SUCOFLEX	03CH03-HY	2020-06-11	2021-06-10
11	WIDEBAND RADIO	R&S	CMW 500	103818	2020-06-10	2021-06-09

#### RF ELECTROMAGNETIC FIELD

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	RS Test Software	Tonscend	1	1	N/A	N/A
2	ESG Vector Signal Generator	Agilent	E4438C	MY4208139	2019-11-14	2020-11-13
3	3m Fully Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2019-09-27	2020-09-26
4	RF POWER AMPLIFIER	OPHIR	5225R	1052	NCR	NCR
5	RF POWER AMPLIFIER	OPHIR	5273F	1019	NCR	NCR
6	RF POWER AMPLIFIER	SKET	HAP_0306G-5		NCR	NCR
7	Stacked Broadband Log Periodic	SCHWARZBE	STLP 9128	9128ES-145	NCR	NCR
8	Stacked Mikrowellen LogPer	SCHWARZBE	STLP 9149	9149-484	NCR	NCR
9	Electric field probe	Narda	EP601	611WX8020	2020-03-24	2021-03-23

#### **ELECTROSTATIC DISCHARGE**

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	ESD Simulator	SCHLODER	SESD 230	604035	2020-06-12	2021-06-11
2	WIDEBAND RADIO	R&S	CMW 500	103818	2020-06-10	2021-06-09

#### MAGNETIC FIELD SUSCEPTIBILITY TEST

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power frequency mag-field generator System	EVERFINE	EMS61000-8K	906003	2020-06-10	2021-06-09

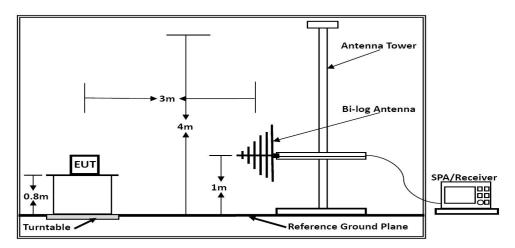
Note: All equipment is calibrated through CHINA CEPREI LABORATORY and GUANGZHOU LISAI CALIBRATION AND TEST CO., LTD.

NCR --- No calibration requirement.

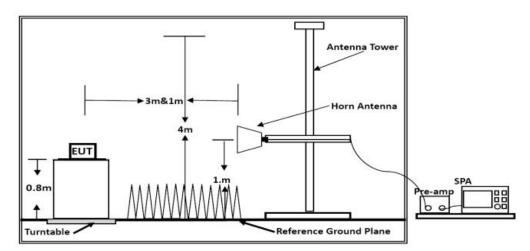
#### **5.TEST RESULTS**

#### **5.1. RADIATED EMISSION MEASUREMENT**

#### 5.1.1. Block Diagram of Test Setup



**Below 1GHz** 



Above 1GHz

#### 5.1.2. Test Standard

EN 55032: 2015 Class B

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Limits for Radiated Emission Below 1GHz					
Frequency Distance Field Strengths Limit					
(MHz)	(dBµV/m)				
30 ~ 230	3	40			
230 ~ 1000 3 47					

<sup>\*\*\*</sup>Note:

<sup>(2)</sup> Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT.

the sieset point of the part of the leave						
Limits for Radiated Emission Above 1GHz						
Frequency Distance Peak Limit Average Limit						
(MHz)	(Meters)	(dBµV/m)	(dBµV/m)			
1000 ~ 3000	3	70	50			
3000 ~ 6000 3 74 54						
***Note: The lower limit applies at the transition frequency.						

#### 5.1.3. EUT Configuration on Test

The EN 55032 regulations test method must be used to find the maximum emission during emission measurement.

#### 5.1.4. Operating Condition of EUT

- 5.1.4.1. Turn on the power.
- 5.1.4.2. Let the EUT work in the test mode 1 and measure it.

#### 5.1.5. Test Procedure

The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The bandwidth of the EMI test receiver is set at RBW/VBW=120kHz/300kHz.

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

The bandwidth of the Spectrum analyzer is set at RBW/VBW=1MHz/3MHz.

The frequency range from 1GHz to the frequency which about 5th carrier harmonic or 6GHz is checked.

#### 5.1.6. Test Results

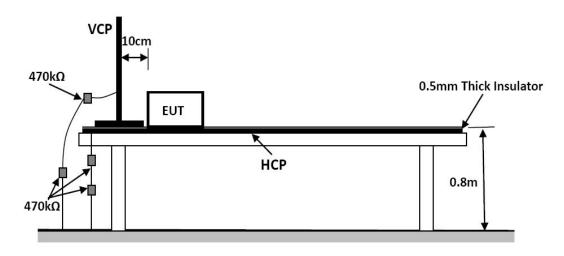
#### PASS.

Refer to attached Annex B.1

<sup>(1)</sup> The smaller limit shall apply at the combination point between two frequency bands.

#### 5.2. ELECTROSTATIC DISCHARGE IMMUNITY TEST

#### 5.2.1. Block Diagram of Test Setup



#### 5.2.2. Test Standard

EN 55035: 2017 (EN 61000-4-2: 2009, Severity Level: 3 / Air Discharge: ±8KV, Level: 2 / Contact Discharge: ±4KV)

#### 5.2.3. Severity Levels and Performance Criterion

#### 5.2.3.1. 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		

# 5.2.3.2. Performance Criterion Performance Criterion: B

#### 5.2.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.2.1.

#### 5.2.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 5.1.4. Except the test set up replaced by Section 5.2.1.

#### 5.2.6. Test Procedure

#### 5.2.6.1. Air Discharge

This test is done on a non-conductive surfaces. The round discharge tip of the Electrostatic Discharge simulator shall be approached as fast as possible then to touch the EUT. After each discharge, the simulator shall be removed from the EUT. The simulator 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

#### 5.2.6.2. Contact Discharge

All the procedure shall be same as air discharge, except using the acute discharge tip. The top end of the Electrostatic Discharge simulator is touch the EUT all the time when the simulator is re-triggered for a new single discharge and repeated 10 times for each pre-selected test point.

## 5.2.6.3. Indirect Discharge For Horizontal Coupling Plane

The vertical coupling plane(VCP) is placed 0.1m away from EUT. The top end of Electrostatic Discharge simulator should aim at the center of one border of the VCP for at least 25 times discharge.

#### 5.2.6.4. Indirect Discharge For Vertical Coupling Plane

The top end of Electrostatic Discharge simulator should place at the point 0.1m away from EUT on the horizontal coupling plane(HCP). At least 25 times discharge should be done for every pre-selected point around EUT.

Record any performance degradation of the EUT during the test and judge the test result according to ce criterion.

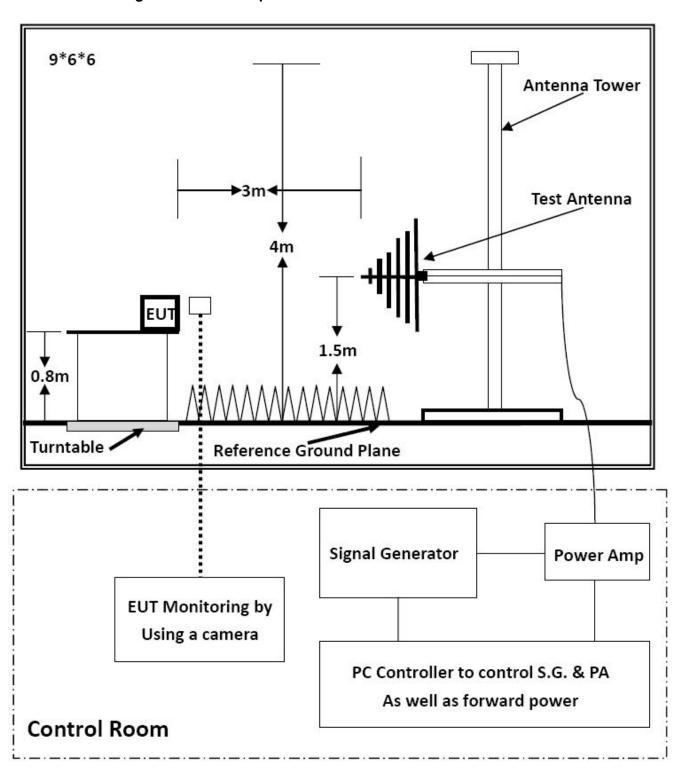
#### 5.2.7. Test Results

#### PASS.

Refer to attached Annex B.2

#### 5.3. RF FIELD STRENGTH SUSCEPTIBILITY TEST

#### 5.3.1. Block Diagram of Test Setup



#### 5.3.2. Test Standard

EN 55035: 2017 (EN 61000-4-3: 2006+A2: 2010 Severity Level: 2, 3V/m)

#### 5.3.3. Severity Levels and Performance Criterion

#### 5.3.3.1. Severity level

Level	el Field Strength (V/m)		
1	1		
2	3		
3	10		
X	Special		

Report No.: LCS200608113AE

#### 5.3.3.2. Performance Criterion

Performance Criterion: A

#### 5.3.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.3.1.

#### 5.3.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 5.1.4, except the test setup replaced as Section 5.3.1.

#### 5.3.6. Test Procedure

The EUT are placed on a table, which is 0.8 meter high above the ground. The EUT is set 3 meters away from the transmitting antenna, which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna is set on test. Each of the four sides of the EUT must be faced this transmitting antenna and measured individually. In order to judge the EUT performance, a CCD Recording is used to monitor its screen. All the scanning conditions are as following:

Condition of Test	Remark		
Fielded Strength	3 V/m (Severity Level 2)		
Radiated Signal	Unmodulated		
Test Frequency Range (Swept Test)	80-1000MHz		
Test Frequency (spot test)	1800MHz, 2600MHz, 3500MHz, 5000MHz		
Dwell Time of Radiated	0.0015 decade/s		
Waiting Time	3 Sec.		

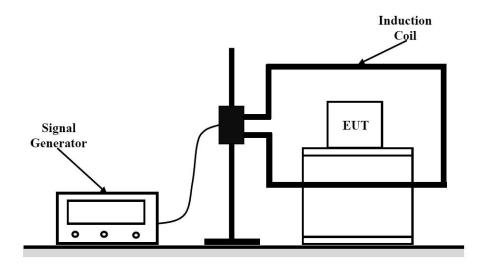
#### 5.3.7. Test Results

#### PASS.

Refer to attached Annex B.3

#### 5.4. MAGNETIC FIELD SUSCEPTIBILITY TEST

#### 5.4.1. Block Diagram of Test Setup



#### 5.4.2. Test Standard

EN 55035: 2017 (EN 61000-4-8: 2010, Severity Level: Level 1, 1A/m)

#### 5.4.3. Severity Levels and Performance Criterion

5.4.3.1. Severity level

Level	Field Strength (A/m)
1	1
2	3
3	10
4	30
5	100
X	Special

5.4.3.2. Performance Criterion

Performance Criterion: A

#### 5.4.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.4.1.

#### 5.4.5. Test Procedure

EUT is placed on an insulating support of 0.1m high above a table of 0.8m high. There is a minimum 1m\*1m ground metallic plane put on this table. EUT is put in the center of the magnetic coil then two orientations of the magnetic coil, horizontal and vertical, shall be rotated in order to expose the EUT to the difference polarization magnetic field. Record any performance degradation of the EUT during the test and judge the test result according to performance criterion.

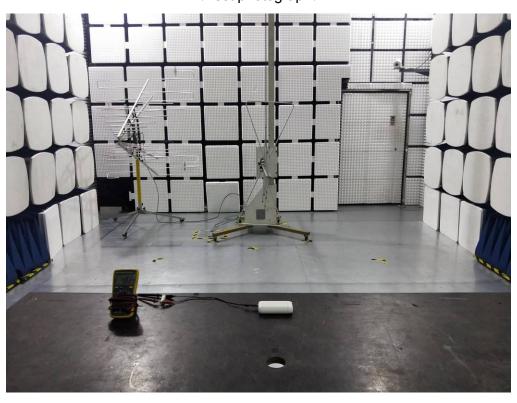
#### 5.4.6. Test Results

#### PASS.

Refer to attached Annex B.4

#### **ANNEX A**

(Test photograph)



Test Setup Photo of Radiated Measurement (30MHz~1GHz)



Test Setup Photo of Electrostatic Discharge Test



Test Setup Photo of Magnetic Field Immunity Test

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#### **ANNEX B**

# (Emission and Immunity test results)

#### B.1 Radiated Disturbance Test Results (30MHz to 1000MHz)

Environmental Conditions:	22.6℃, 53.1% RH
Test Voltage:	DC 5V
Test Model:	XO-9873
Test Mode:	Mode 1
Test Engineer:	Daiwei Dai
Pol:	Vertical

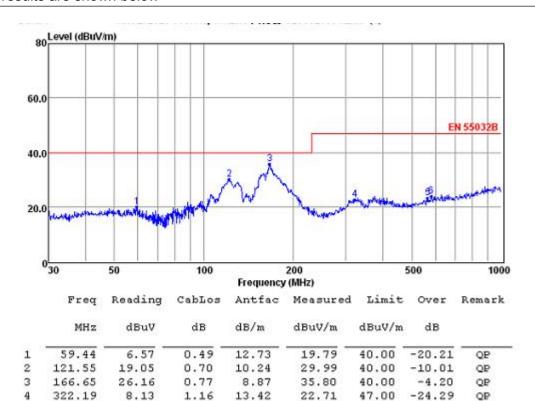
#### Detailed results are shown below

5

6

566.62

582.74



Note: 1. All readings are Quasi-peak values.

3.84

4.19

2. Measured= Reading + Antenna Factor + Cable Loss

1.48

1.54

3. The emission that are 20db below the official limit are not reported

17.83

18.13

23.15

23.86

47.00

47.00

-23.85

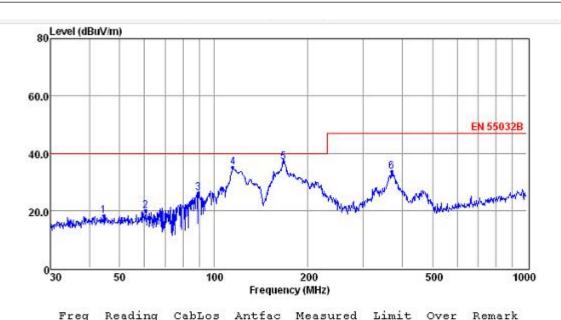
-23.14

OP

OP

Environmental Conditions:	22.6℃, 53.1% RH
Test Voltage:	DC 5V
Test Model:	XO-9873
Test Mode:	Mode 1
Test Engineer:	Daiwei Dai
Pol:	Horizontal

#### Detailed results are shown below



	5-5-5-W			5775557			. :555.55	
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	44.43	4.28	0.41	13.55	18.24	40.00	-21.76	QP
2	60.49	6.96	0.49	12.50	19.95	40.00	-20.05	QP
3	89.28	13.70	0.68	11.67	26.05	40.00	-13.95	QP
4	114.92	23.00	0.68	11.38	35.06	40.00	-4.94	QP
5	167.24	27.16	0.77	8.89	36.82	40.00	-3.18	QP
6	370.70	17.77	1.20	14.52	33.49	47.00	-13.51	QP

Note: 1. All readings are Quasi-peak values.

- 2. Measured= Reading + Antenna Factor + Cable Loss
- 3. The emission that are 20db below the official limit are not reported

#### **B.2 ELECTROSTATIC DISCHARGE IMMUNITY TEST**

Electrostatic Discharge Test Results					
Standard	□ IEC 61000-4-2 ☑ EN 61000-4	☐ IEC 61000-4-2   ☑ EN 61000-4-2			
Applicant	Dongguan Xing Yue Electronic co., Ltd				
EUT	Powerbank with earbuds Temperature 24.5℃				
M/N	XO-9873 <b>Humidity</b> 54.4%				
Criterion	B Pressure 1021mbar				
Test Mode	Test Mode 1 Test Engineer Daiwei Dai				

Test Mode	Mode 1			Test Engineer Da		Daiwei Dai
Air Discharge						
		<b>Test Levels</b>			Res	sults
Test Points	± 2kV	± 4kV	± 4kV ± 8kV Passed Fail		Performance Criterion	
Front			$\boxtimes$	$\boxtimes$		□A ⊠B
Back				$\boxtimes$		□A ⊠B
Left				$\boxtimes$		□A ⊠B
Right		$\boxtimes$	$\boxtimes$	$\boxtimes$		□A ⊠B
Тор	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$		□A ⊠B
Bottom	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$		□A ⊠B
		Cont	act Dischar	ge		
		Test Levels			Res	ults
Test Points	± 2 kV		±4 kV	Passed	Fail	Performance Criterion
Front			$\boxtimes$	$\boxtimes$		□A ⊠B
Back			$\boxtimes$	$\boxtimes$		□A ⊠B
Left			$\boxtimes$			□A ⊠B
Right			$\boxtimes$	$\boxtimes$		□A ⊠B
Тор						□ A ⊠ B
Bottom						□A ⊠B
	Disc		orizontal Co	pupling Plai	ne	
O'LL CEUT		Test Levels			Res	ults
Side of EUT	± 2 kV		± 4 kV	Passed	Fail	Performance Criterion
Front			$\boxtimes$	$\boxtimes$		□A ⊠B
Back						□A ⊠B
Left						□ A ⊠ B
Right						□A ⊠B
Discharge To Vertical Coupling Plane						
Olds of FUT		Test Levels		Results		
Side of EUT	± 2 kV		± 4 kV	Passed	Fail	Performance Criterion
Front			$\bowtie$			□A ⊠B
Back			$\boxtimes$			□A ⊠B
Left						□A ⊠B
Right				$\boxtimes$		□A ⊠B

#### **B.3 RF FIELD STRENGTH SUSCEPTIBILITY TEST**

RF Field Strength Susceptibility Test Results						
Standard	□ IEC 61000-4-3 ☑ EN 61000-4-3					
Applicant	Dongguan Xing Yue Electronic co.,	Ltd				
EUT	Powerbank with earbuds	Temperature	23.3℃			
M/N	XO-9873 <b>Humidity</b> 53.3%					
Field Strength	3 V/m Criterion A					
Test Mode	Mode 1 <b>Test Engineer</b> Daiwei Dai					
Test Frequency	80MHz to 1000MHz (Swept Test) 1800MHz, 2600MHz, 3500MHz, 5000MHz (spot test)					
Modulation	□None □ Pulse ☑AM 1KHz 80%					
Steps	1%					

	Horizontal	Vertical	
Front	PASS	PASS	
Right	PASS	PASS	
Rear	PASS	PASS	
Left	PASS	PASS	

#### Test Equipment:

- 1. Signal Generator: 2031 (MARCONI)
- 2. Power Amplifier: 500A100 & 100W/1000M1 (A&R)
- 3. Power Antenna: 3108 (EMCO) & AT1080 (A&R)
- 4. Field Monitor: FM2000 (A&R)

Note:

## **B.4 MAGNETIC FIELD SUSCEPTIBILITY TEST**

Magnetic Field Immunity Test Result					
Standard	□ IEC 61000-4-8 ☑ EN 61000-4-8				
Applicant	Dongguan Xing Yue Electronic co., Ltd				
EUT	Powerbank with earbuds	Temperature	24.3℃		
M/N	XO-9873	Humidity	54.1%		
Test Mode	Mode 1	Criterion	A		
Test Engineer	Daiwei Dai				

Test Level (A/M)	Testing Duration	Coil Orientation	Criterion	Result
1	5 mins	X	А	PASS
1	5 mins	Y	А	PASS
1	5 mins	Z	А	PASS

Note:

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## **ANNEX C**

(External and internal photos of the EUT)



Fig. 1

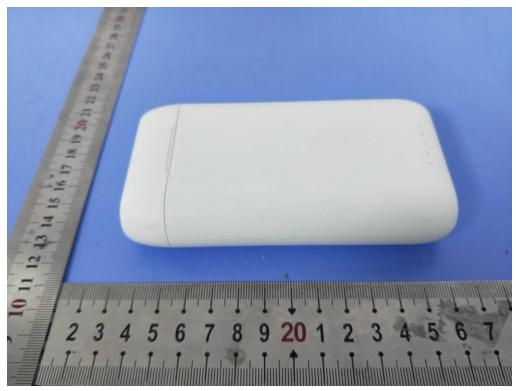


Fig. 2



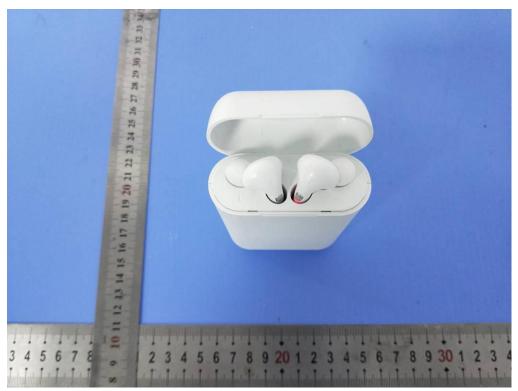


Fig. 4

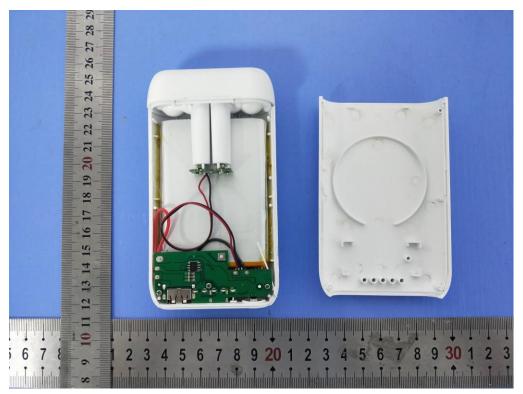


Fig. 5



Fig. 6

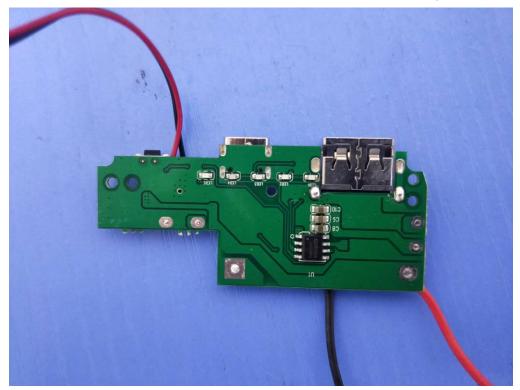


Fig. 7

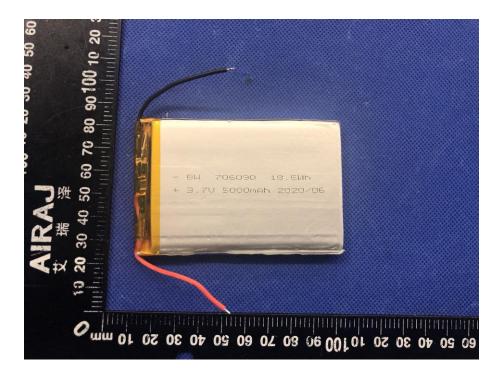


Fig. 8