ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORTUNINTENTIONAL RADIATORS CERTIFICATION TO FCC PART 18 SUBPART C REQUIREMENT

OF

Power Bank

Model No.: HX200Q4

Trademark: GKUTW

FCC ID: 2A46S-HX200Q4

Report No.: E01A22020109F00401

Issue Date: Mar. 01, 2022

Prepared for

Dongguan Haoxun Electronic Technology Co., Ltd.

Room 301, Building 1, No. 4, Shigu Longkou Road, Tangxia Town dongguan, Guangdong Province

Prepared by

Dong Guan Anci Electronic Technology Co., Ltd.

1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan, Lake Hi-tech Industrial Development Zone, Dongguan City, Guangdong Pr., China.

TABLE OF CONTENT

TEST REPORT DESCRIPTION

Applicant	:	Dongguan Haoxun Electronic Technology Co., Ltd. Room 301, Building 1, No. 4, Shigu Longkou Road, Tangxia Town dongguan, Guangdong Province
Manufacturer	:	Dongguan Haoxun Electronic Technology Co., Ltd. Room 301, Building 1, No. 4, Shigu Longkou Road, Tangxia Town dongguan, Guangdong Province
Trade Mark	:	GKUTW
EUT	:	Power Bank
Model No.	:	HX200Q4
Power Supply	:	Type-C Input: 5V ⎓ 3A, 9V ⎓ 2A(Max) Micro Input: 5V ⎓ 2.1A

Measurement Procedure Used:

FCC Rules and Regulations Part 18 Subpart C
MP-5: 1986

The device described above is tested by Dong Guan Anci Electronic Technology Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Dong Guan Anci Electronic Technology Co., Ltd. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Dong Guan Anci Electronic Technology Co., Ltd.

Date of Test : Feb. 22, 2022 to Mar. 01, 2022

Prepared by : Tomas Yang/Supervisor

Approved & Authorized Signer : Alan He/Manager

Modified Information

Version	Report No.	Revision Data	Summary
Ver.1.0	E01A22020109F00401	/	Original Version

1. SUMMARY OF TEST RESULTS

EMISSION		
Description of Test Item	Standard & Limits	Results
Conducted Disturbance at Mains Terminals	FCC Part 18 Subpart C FCC OST MP-5: 1986	Pass
Radiated Disturbance	FCC Part 18 Subpart C FCC OST MP-5: 1986	Pass
Note: N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	:	Power Bank
Model Number	:	HX200Q4
Test Number	:	HX200Q4
Test Voltage	:	AC 120V 60Hz for Adapter
Adapter Information (Provided by the laboratory)	:	Model:CD127 Input: AC 100-240V, 50/60Hz Output: DC 5V/3A,DC 9/3A,DC 12V/2.5A
Operating Frequency	:	110-205KHz
Modulation Technique	:	ASK
Max Wireless output power	:	15W
Operation Mode	:	Wireless Charging
Antenna	:	Induction coil
Applicant	:	Dongguan Haoxun Electronic Technology Co., Ltd.
Address	:	Room 301, Building 1, No. 4, Shigu Longkou Road, Tangxia Town dongguan, Guangdong Province
Manufacturer	:	Dongguan Haoxun Electronic Technology Co., Ltd.
Address	:	Room 301, Building 1, No. 4, Shigu Longkou Road, Tangxia Town dongguan, Guangdong Province
Date of Received	:	Feb. 22, 2022
Date of Test	:	Feb. 22, 2022 to Mar. 01, 2022

2.2. Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
0	Power Input Port	I/O	--	--	1 Port

* Note: Use abbreviations:
AC= AC Power Port
DC= DC Power Port
N/E= Non-Electrical
I/O= Signal Input or Output Port (Not Involved in Process Control)
TP= Telecommunication Ports

2.3. Independent Operation Modes

Wireless Charging

2.4. Test Manner

Test Items	Test Voltage	Operation Modes	Worst case
Conducted Emission	AC120V/60Hz	Wireless Charging	Wireless Charging 15W
Radiated Emission	AC120V/60Hz	Wireless Charging	Wireless Charging 15W

2.5. Description of Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2017.06.26
The certificate is valid until 2022.10.28
The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)
The Certificate Registration Number is L6214.

Accredited by A2LA, 2018.03.15
The Certificate Number is 4422.01.

Name of Firm : Dong Guan Anci Electronic Technology Co., Ltd.

Site Location : Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China.

2.6. Test Software

Item		Software
Conducted Disturbance at Mains Terminals	:	EZ-EMC Ver:ANCI-3A1
Radiated Disturbance	:	EZ-EMC Ver:ANCI-3A1

2.7. Description of Support Device

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1.	iPhone	Apple Inc.	A1387	N/A	N/A
2.	Adapter	N/A	ASSA10W-150430	N/A	N/A
3.	Wireless Charging Receiver Module	Universal	N/A	N/A	N/A
4.	Xiaomi 9	MI	Xiaomi 9	N/A	N/A
5.	SAMSUNG S9	SAMSUNG	Samsung Galaxy S9	N/A	N/A

2.8. Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Temperature	±0.5℃
Humidity	±3%

Remark: The coverage Factor (k=2), and measurement Uncertainty for a level of Confidence of 95%

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Power Line Conducted Emission Measurement

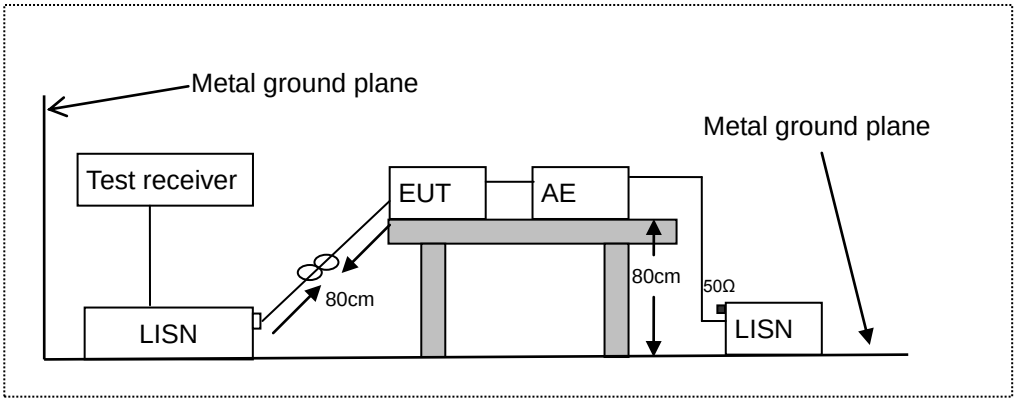
Item	EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	Calibrated until
1.	L.I.S.N	SCHWARZBECK	NSLK 8127	8127-669	2022-05-23
2.	10 db attenuator	JFW	50FP-010-H4	4360846-427-1	2022-05-23
3.	RF Cable	N/A	N/A	2#	2022-05-23
4.	EMI Test Receiver	ROHDE&SCHWARZ	ESCI	101358	2022-05-23

3.2. For Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
5.	EMI Test Receiver	Rohde & Schwarz	ESPI	100502	2022-11-12
6.	Pre-Amplifier	HP	8447D	2727A06172	2022-05-23
7.	Bilog Antenna	Schwarzbeck	VULB9163	VULB9163-588	2022-05-23
8.	Loop Antenna	Schwarzbeck	FMZB 1516	1516-141	2022-05-23
9.	RF Cable	Gigalink Microwave	ZT40-2.92J-2.92 J-2m	N/A	2022-11-12
10.	RF Cable	Gigalink Microwave	ZT40-2.92J-2.92 J-0.3m	N/A	2022-11-12
11.	RF Cable	N/A	N/A	6#	2022-05-23
12.	3m Semi-anechoic Chamber	chengyu	9m*6m*6m	N/A	2022-05-23
13.	Test Software	Farad	EZ-EMC Ver:ANCI-3A1	N/A	N/A

4. POWER LINE CONDUCTED EMISSION MEASUREMENT

4.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network
AE: Associated equipment
EUT: Equipment under test

4.2. Measuring Standard

FCC Part 18 and MP-5

4.3. Power Line Conducted Emission Limits

□All induction cooking ranges and ultrasonic equipment:

Frequency range (MHz)	Limit dB(uV)	
	Quasi-peak	Average
0.09-0.05	110	---
0.05-0.15	90-80*	---
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Remark: ***** Decreases with the logarithm of the frequency.
In the above table, the tighter limit applies at the band edges.

■All other part 18 consumer devices:

Frequency range (MHz)	Limit dB(uV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Remark: ***** Decreases with the logarithm of the frequency.
In the above table, the tighter limit applies at the band edges.

□RF lighting devices:

Frequency range (MHz)	Maximum RF line voltage measured with a 50 uH/50 ohm LISN(uV)
0.45-1.6	1000
1.6-30	3000
Consumer equipment	
0.45-2.51	250
2.51-3.0	3000
3.0-30	250

4.4. EUT Configuration on Measurement

The following equipments are installed on Conducted Emission Measurement to meet FCC requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

EUT : MAGNETIC WIRELESS CHARGER
Model Number : HX200Q4

4.5. Operating Condition of EUT

4.5.1.Setup the EUT as shown on Section 4.1.

4.5.2.Turn on the power of all equipment.

4.5.3. Let the EUT work in measuring mode (Wireless Charging) and measure it.

4.6. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are investigated to find out the maximum conducted emission according to the FCC regulations during conducted emission measurement.
The bandwidth of the Test Receiver is set at 9kHz in 150kHz~30MHz and 200Hz in 9kHz~150kHz.

The frequency range from 9kHz to 30MHz is investigated.

Test results were obtained from the following equation:
Emission Level (dBμV) = LISN Factor (dB) + Cable Loss (dB) + Reading (dBμV)
Margin (dB) = Emission Level (dBμV) - Limit (dBμV)

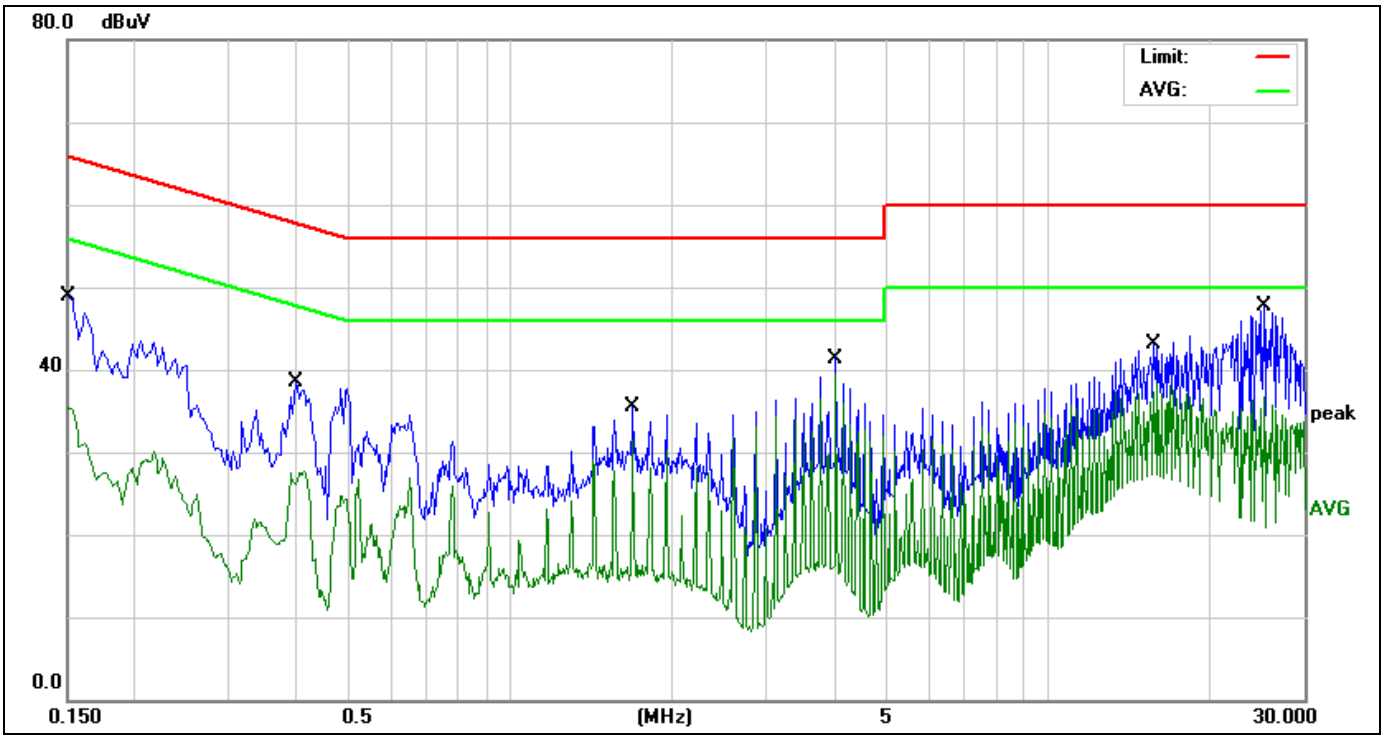
All the scanning waveform is put in the following pages.

4.7. Measuring Results

Pass.

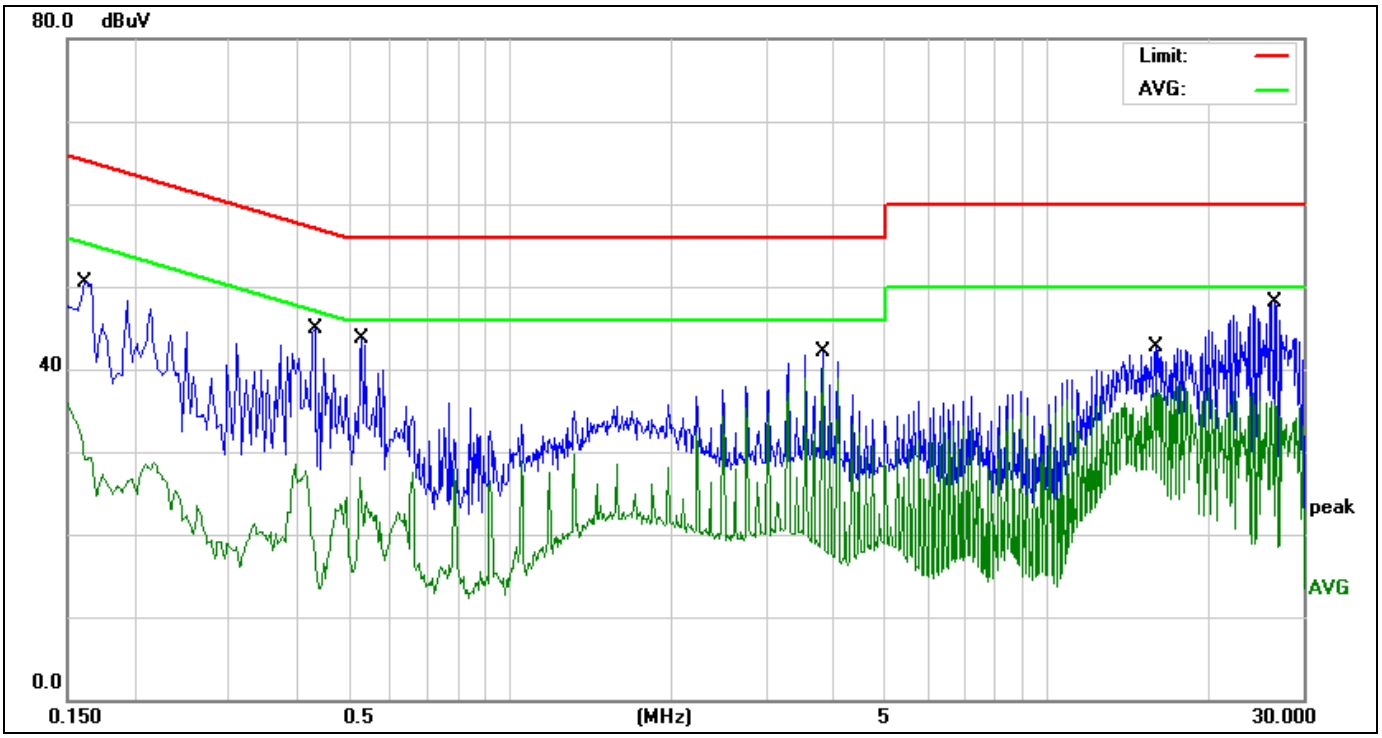
Please refer to following pages.

Wireless Charging 15W：



Site:	**843**	**Phase:L1**	**Temperature(C):26(C)**
Limit:	**FCC Part 18 C Conduction(QP)**		**Humidity(%):60%**
EUT:	**Power Bank**	**Test Time:**	**2022-02-25**
M/N.:	**HX200Q4**	**Power Rating:**	**AC 120V/60Hz**
Mode:	**Wireless Charging 15W**	**Test Engineer:**	**Jack**
Note:			

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1500	35.14	10.30	45.44	65.99	-20.55	QP	
2	0.1500	24.58	10.30	34.88	55.99	-21.11	AVG	
3	0.3980	22.79	10.28	33.07	57.89	-24.82	QP	
4	0.3980	15.05	10.28	25.33	47.89	-22.56	AVG	
5	1.6900	13.50	10.41	23.91	56.00	-32.09	QP	
6	1.6900	21.05	10.41	31.46	46.00	-14.54	AVG	
7	4.0420	28.12	10.52	38.64	56.00	-17.36	QP	
8	4.0420	29.05	10.52	39.57	46.00	-6.43	AVG	
9	15.7340	20.82	11.23	32.05	60.00	-27.95	QP	
10	15.7340	27.14	11.23	38.37	50.00	-11.63	AVG	
11	25.2979	23.97	11.72	35.69	60.00	-24.31	QP	
12	25.2979	25.06	11.72	36.78	50.00	-13.22	AVG	

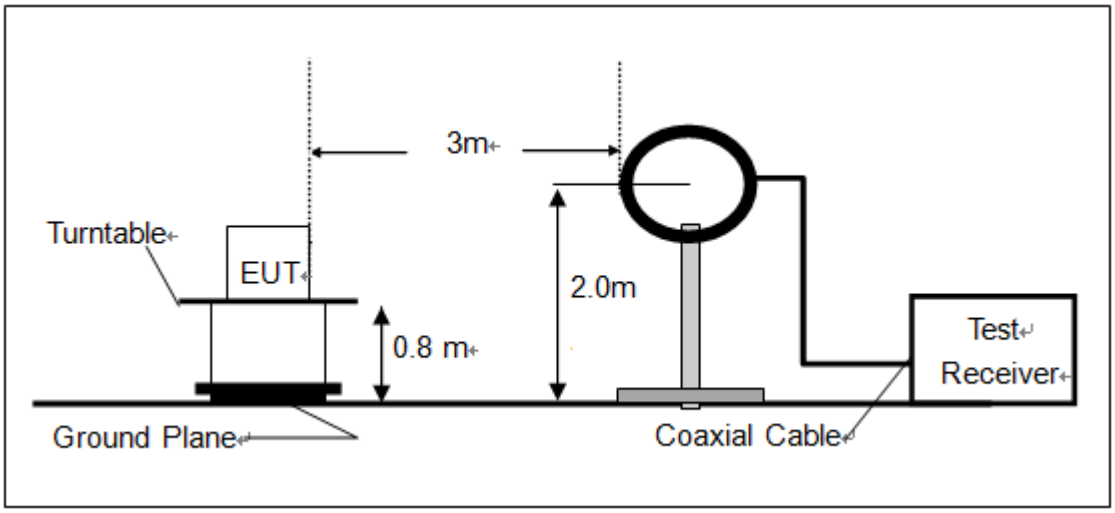


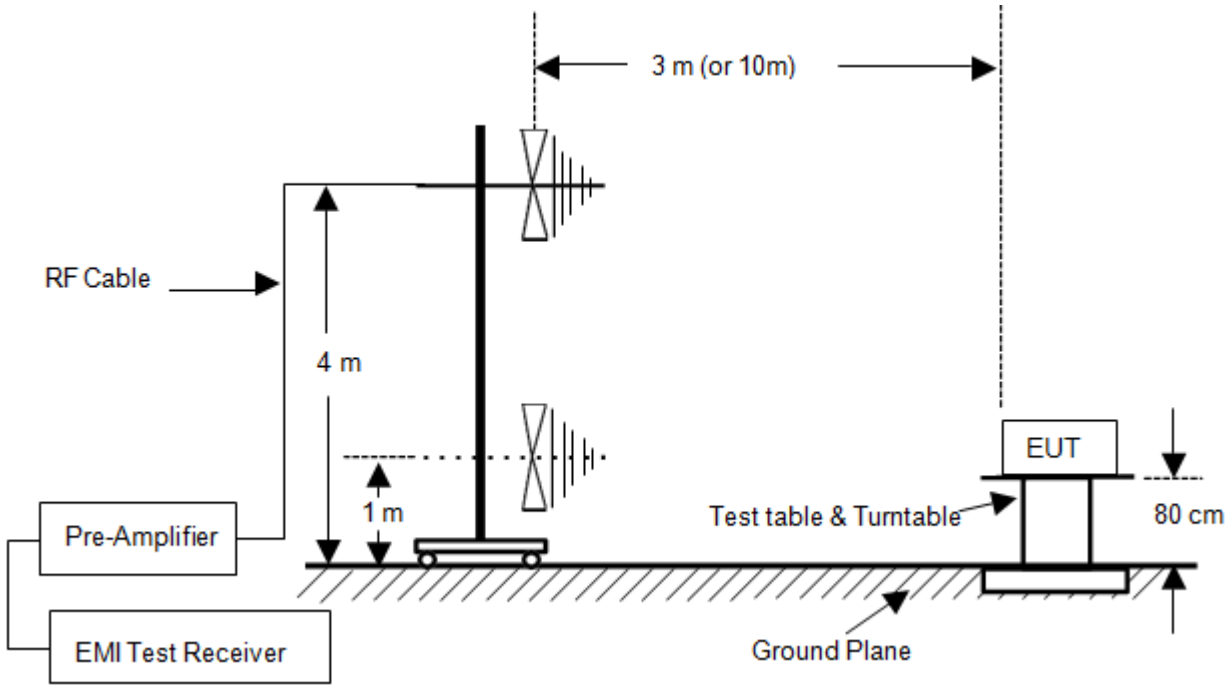
Site:	**843**	**Phase:N**	**Temperature(C):26(C)**
Limit:	**FCC Part 18 C Conduction(QP)**		**Humidity(%):60%**
EUT:	**Power Bank**	**Test Time:**	**2022-02-25**
M/N.:	**HX200Q4**	**Power Rating:**	**AC 120V/60Hz**
Mode:	**Wireless Charging 15W**	**Test Engineer:**	**Jack**
Note:			

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1620	30.70	10.30	41.00	65.36	-24.36	QP	
2	0.1620	18.52	10.30	28.82	55.36	-26.54	AVG	
3	0.4340	16.45	10.30	26.75	57.18	-30.43	QP	
4	0.4340	4.87	10.30	15.17	47.18	-32.01	AVG	
5	0.5299	19.48	10.34	29.82	56.00	-26.18	QP	
6	0.5299	16.60	10.34	26.94	46.00	-19.06	AVG	
7	3.8220	13.96	10.50	24.46	56.00	-31.54	QP	
8	3.8220	29.57	10.50	40.07	46.00	-5.93	AVG	
9	15.9500	21.32	11.24	32.56	60.00	-27.44	QP	
10	15.9500	26.23	11.24	37.47	50.00	-12.53	AVG	
11	26.4980	8.53	11.80	20.33	60.00	-39.67	QP	
12	26.4980	24.35	11.80	36.15	50.00	-13.85	AVG	

5. RADIATED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup





5.2. Measuring frequency range

Frequency band in which device operates (MHz)	Range of frequency measurements	
	Lowest frequency	Highest frequency
Below 1.705	Lowest frequency generated in the device, but not lower than 9 kHz.	30 MHz.
1.705 to 30	Lowest frequency generated in the device, but not lower than 9 kHz.	400 MHz.
30 to 500	Lowest frequency generated in the device or 25 MHz, whichever is lower.	Tenth harmonic or 1,000 MHz, whichever is higher.
500 to 1,000	Lowest frequency generated in the device or 100 MHz, whichever is lower.	Tenth harmonic.
Above 1,000	.....do	Tenth harmonic or highest detectable emission.

Remark：1.The operates frequency of MAGNETIC WIRELESS CHARGER is more than 1.705MHz, so the test frequency range is 9KHz to 1000MHz.

5.3. Radiated Emission Limits

■Table 1

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
■Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25 x SQRT (power/500)	300 (1)300
	Any NON-ISM frequency	Below 500 500 or more	15 15 x SQRT (power/500)	300 (1)300
□Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 (2)	1600 (2)
□Medical diathermy	Any ISM frequency Any non- ISM frequency	Any Any	25 15	300 300
□Ultrasonic	Below 490 kHz	Below 500 500 or more	2,400/F(kHz) 2,400/F(kHz)x SQRT(power/500)	300 (3)300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	2,400/F(kHz) 15	30 30
□Induction cooking ranges	Below 90 kHz On or above 90 kHz	Any Any	1,500 300	(4)30 (4)30

(1) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.
(2) Reduced to the greatest extent possible.
(3) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts.
(4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.

Note : The field strength limit and distance shown in the following Table 2 are the conversion of the requirement in Table 1.

☐Table 2

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (dBuV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500	57.5	10

☐The for RF lighting devices field strength limits

Frequency (MHz)	Field strength limit at 30 meters (μV/m)
Non-consumer equipment:	
30-88	30
88-216	50
216-1000	70
Consumer equipment:	
30-88	10
88-216	15
216-1000	20

Notes: The tighter limit shall apply at the boundary between two frequency ranges.

5.4. EUT Configuration on Measurement

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

EUT : MAGNETIC WIRELESS CHARGER
Model Number : HX200Q4

5.5. Operating Condition of EUT

5.5.1. Setup the EUT as shown on Section 5.1.

5.5.2. Turn on the power of all equipment.

5.5.3. Let the EUT work in measuring mode (Wireless Charging) and measure it.

5.6. Test Procedure

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 2 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

200Hz for measurements below 150 kHz
9 kHz for measurements from 150 kHz to 30MHz
100 kHz for measurements from 30MHz to 1000MHz

Emission Level (dBμV) = Antenna Factor (dB) + Cable Loss (dB) + Reading (dBμV)
Margin (dB) = Emission Level (dBμV) - Limit (dBμV)

The worst scanning curves are attached in following pages.

5.7. Measuring Results

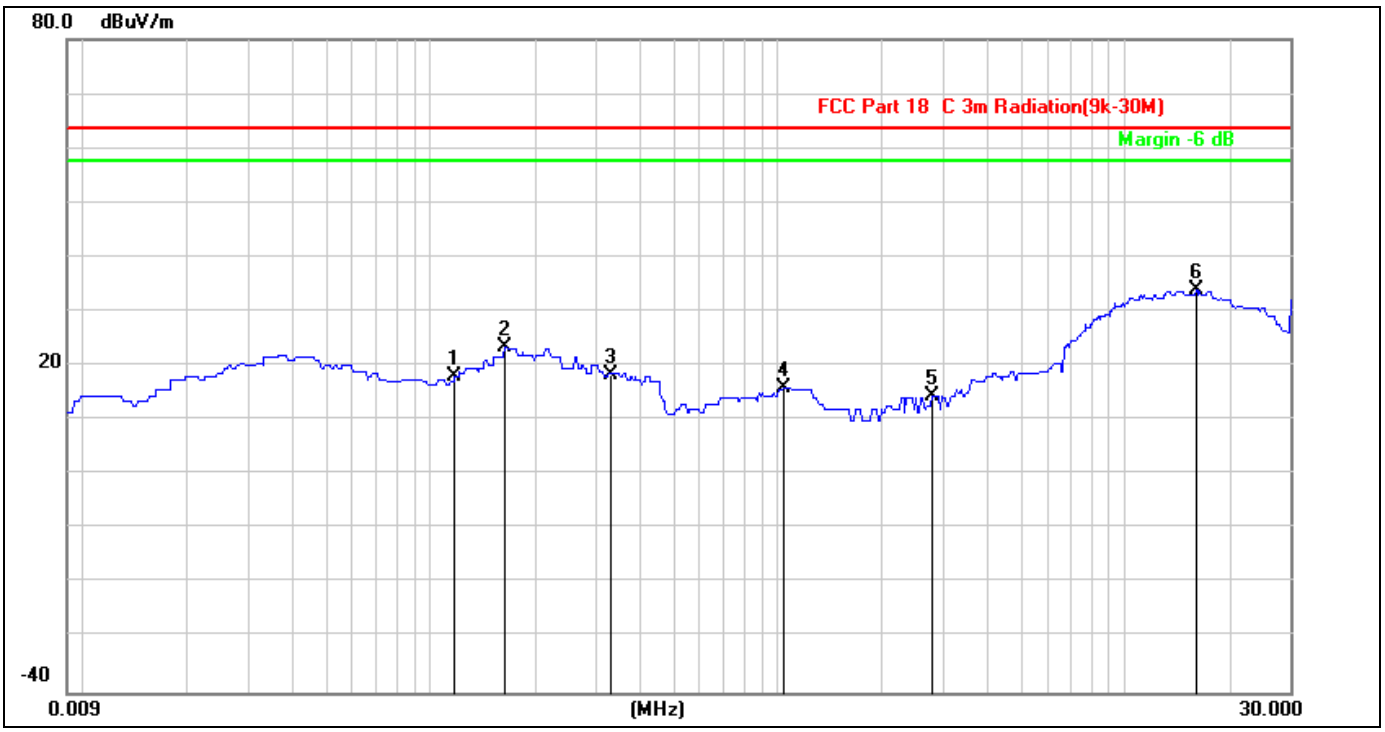
PASS.

The frequency range from 9KHz to 1000MHz is investigated.

Peak for pre-scan, Average for the final result.

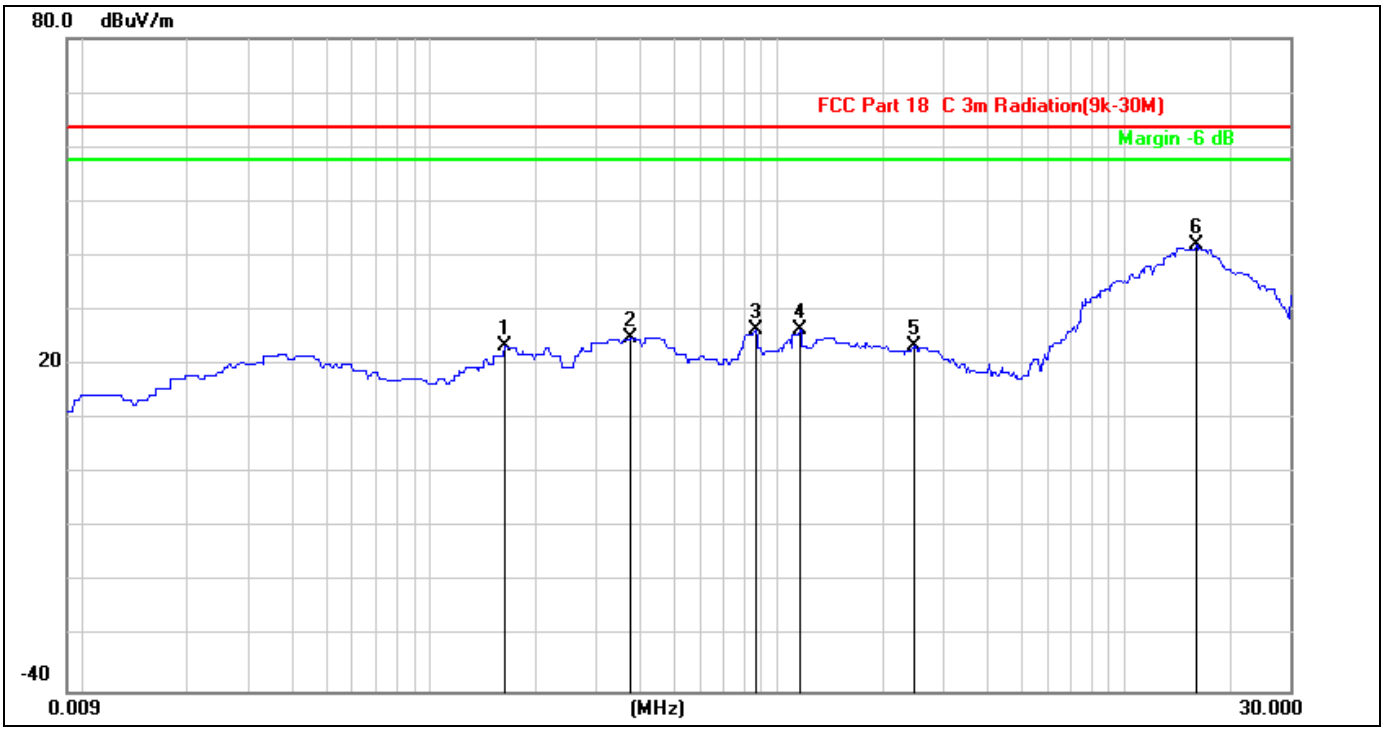
Please refer to following pages.

Test mode: Wireless Charging(15W)



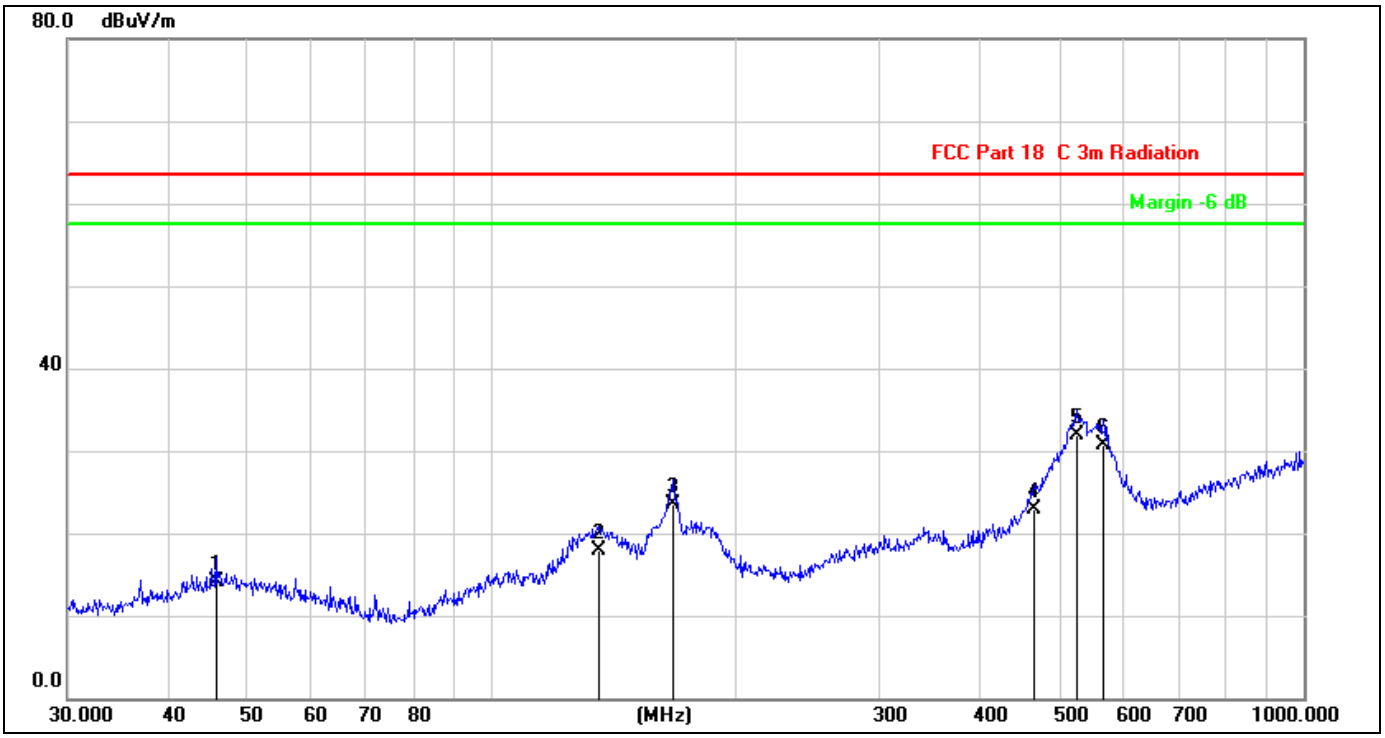
Site:	**LAB**	**Antenna::Horizontal**	**Temperature(C):24.2(C)**
Limit:	**FCC Part18C 3m Radiation(QP)**		**Humidity(%):53.6%**
EUT:	**Power Bank**	**Test Time:**	**2022-02-25**
M/N.:	**HX200Q4**	**Power Rating:**	**AC 120V/60Hz**
Mode:	**Wireless Charging 15W**	**Test Engineer:**	**sunshine**
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	0.1178	42.53	-24.53	18.00	63.50	-45.50	QP	
2	0.1642	48.13	-24.63	23.50	63.50	-40.00	QP	
3	0.3326	43.48	-24.98	18.50	63.50	-45.00	QP	
4	1.0439	42.42	-26.42	16.00	63.50	-47.50	QP	
5	2.7856	40.86	-26.36	14.50	63.50	-49.00	QP	
6 *	16.0640	59.86	-25.86	34.00	63.50	-29.50	QP	



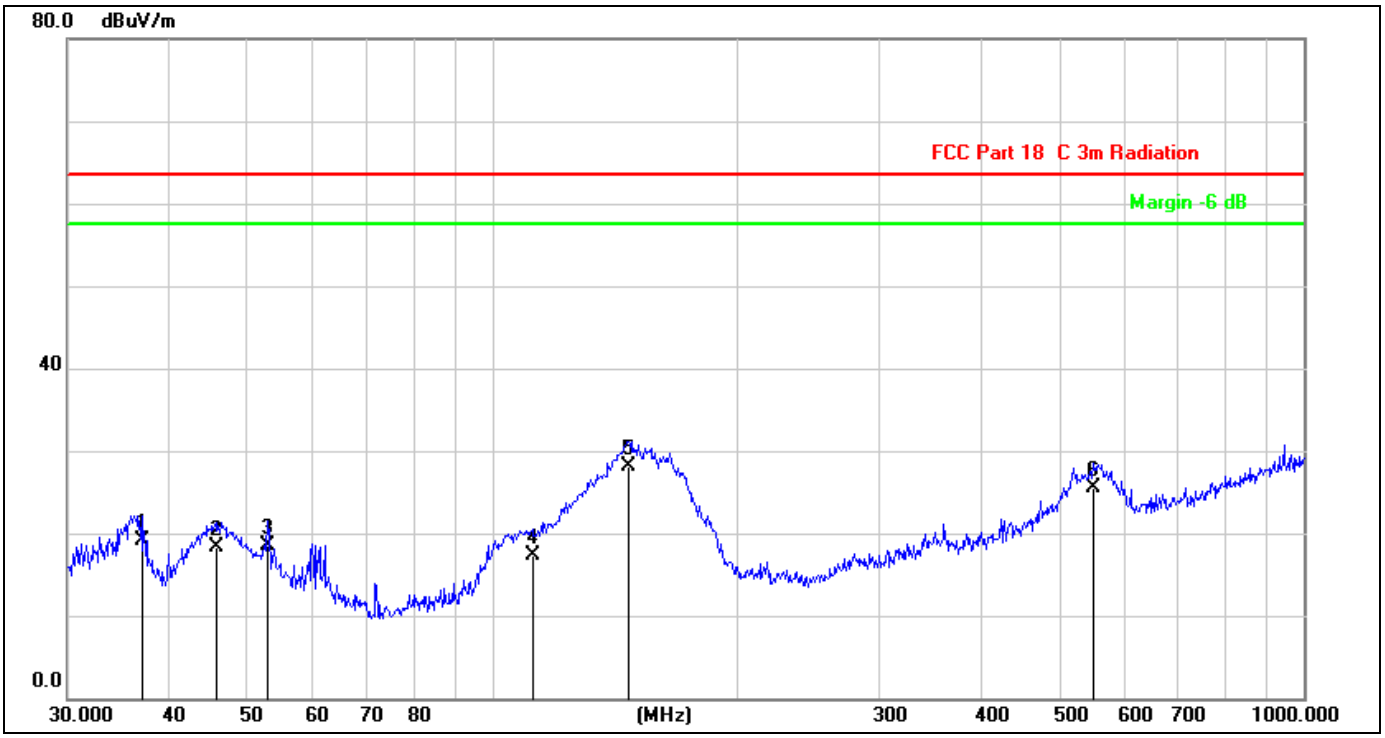
Site:	**LAB**	**Antenna::Vertical**	**Temperature(C):24.2(C)**
Limit:	**FCC Part18C 3m Radiation(QP)**		**Humidity(%):53.6%**
EUT:	**Power Bank**	**Test Time:**	**2022-02-25**
M/N.:	**HX200Q4**	**Power Rating:**	**AC 120V/60Hz**
Mode:	**Wireless Charging 15W**	**Test Engineer:**	**sunshine**
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	0.1642	48.13	-24.63	23.50	63.50	-40.00	QP	
2	0.3785	50.08	-25.08	25.00	63.50	-38.50	QP	
3	0.8659	52.63	-26.13	26.50	63.50	-37.00	QP	
4	1.1600	52.91	-26.41	26.50	63.50	-37.00	QP	
5	2.4866	49.88	-26.38	23.50	63.50	-40.00	QP	
6 *	16.0640	67.86	-25.86	42.00	63.50	-21.50	QP	



Site:	**LAB**	**Antenna::Horizontal**	**Temperature(C):24.2(C)**
Limit:	**FCC Part18C 3m Radiation(QP)**		**Humidity(%):53.6%**
EUT:	**Power Bank**	**Test Time:**	**2022-02-25**
M/N.:	**HX200Q4**	**Power Rating:**	**AC 120V/60Hz**
Mode:	**Wireless Charging 15W**	**Test Engineer:**	**sunshine**
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	45.6948	26.42	-12.29	14.13	63.50	-49.37	QP	
2	135.5062	32.38	-14.49	17.89	63.50	-45.61	QP	
3	167.2368	37.17	-13.67	23.50	63.50	-40.00	QP	
4	465.5994	28.74	-5.76	22.98	63.50	-40.52	QP	
5	524.5541	36.66	-4.81	31.85	63.50	-31.65	QP	
6	566.6223	34.74	-4.11	30.63	63.50	-32.87	QP	

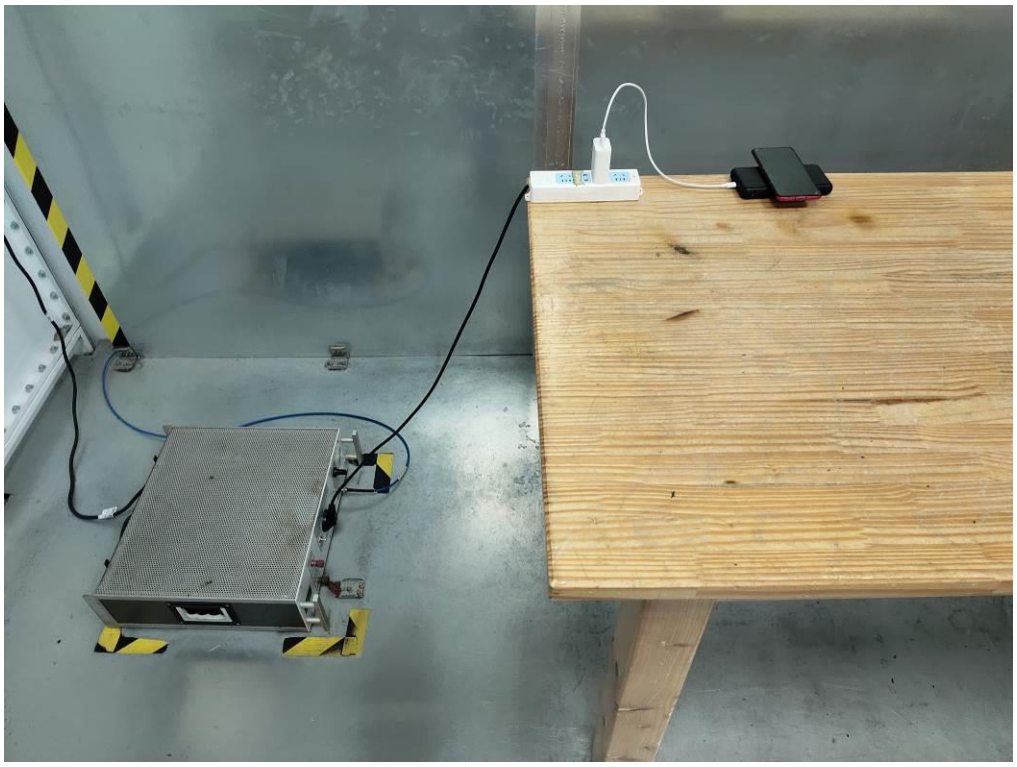


Site:	**LAB**	**Antenna::Vertical**	**Temperature(C):24.2(C)**
Limit:	**FCC Part18C 3m Radiation(QP)**		**Humidity(%):53.6%**
EUT:	**Power Bank**	**Test Time:**	**2022-02-25**
M/N.:	**HX200Q4**	**Power Rating:**	**AC 120V/60Hz**
Mode:	**Wireless Charging 15W**	**Test Engineer:**	**sunshine**
Note:			

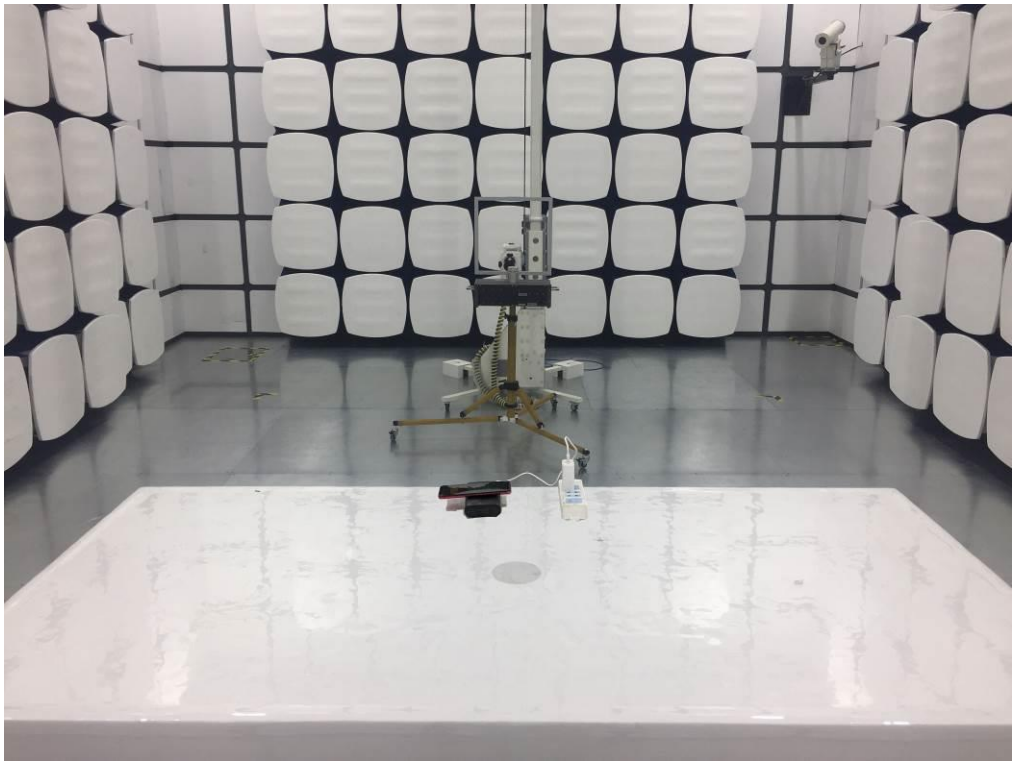
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	37.0248	32.75	-13.60	19.15	63.50	-44.35	QP	
2	45.6948	30.53	-12.29	18.24	63.50	-45.26	QP	
3 *	52.9453	30.62	-12.08	18.54	63.50	-44.96	QP	
4	111.7380	29.41	-12.04	17.37	63.50	-46.13	QP	
5	147.4036	42.85	-14.71	28.14	63.50	-35.36	QP	
6	550.9480	29.90	-4.38	25.52	63.50	-37.98	QP	

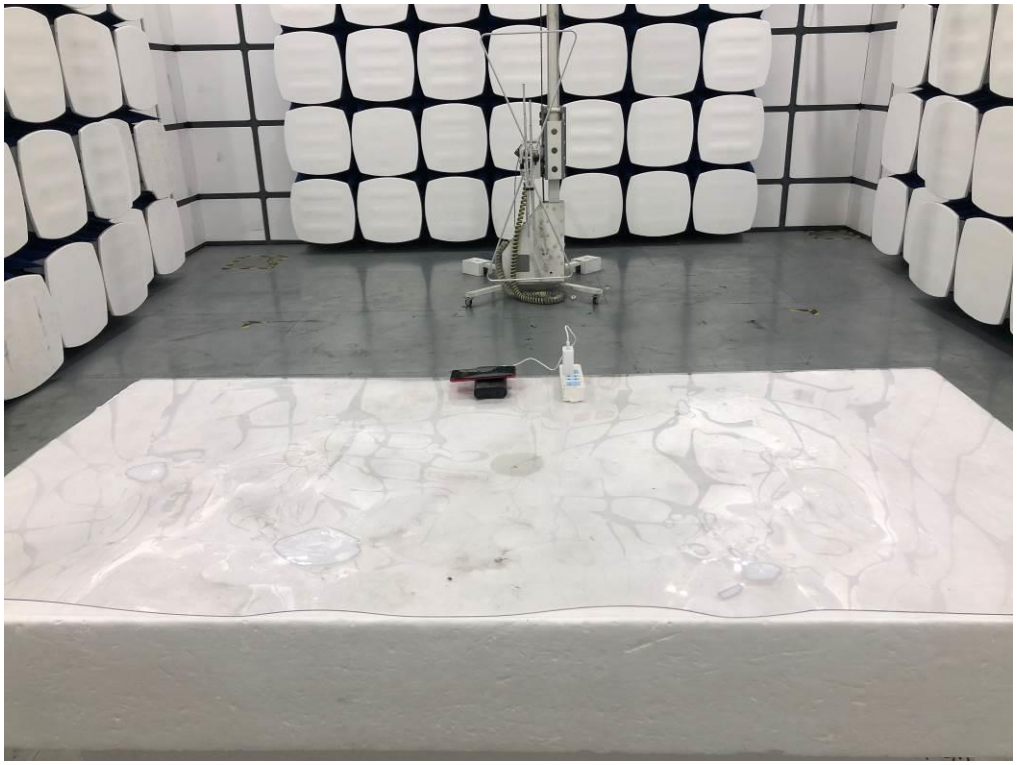
6. PHOTOGRAPHS

6.1.Photos of Conducted Emission Measurement



6.2.Photos of Radiation Emission Measurement





APPENDIX A: Warning Labels

Label Requirements

Products authorized under SDOC and Part 18 required to include a compliance statement similar to the following:

"This device complies with Part 18 of the FCC Rules."

The compliance information may be placed in the instruction manual, on a separate sheet, on the packaging, or electronically as permitted in Section 2.935. There is no specific format for this information. The placing of this or similar statement will also comply with the requirements of Section 2.1077(a) (2).

Devices authorized under the SDOC procedure have the option to use the FCC logo to indicate compliance with the FCC rules, and the logo may be included in the instruction materials or as part of an e-label.

The FCC logo shall only be used on a product that has been tested, evaluated, and found to be compliant in accordance with the SDOC procedures. The use of the FCC logo on the device does not mitigate the requirement to provide a means to uniquely identify the product or to provide the required compliance information statement. The FCC logo cannot be used on products that are exempt from an authorization by rule unless the SDOC procedure has been fully applied for the product.

APPENDIX B: Warning Statement

Statement Requirements

For devices approved under Part 18, information on the following shall be provided to the user in the instruction manual, or on the packaging if an instruction manual is not provided (Section 18.213): • The interference potential of the device or system.

• Maintenance of the system.

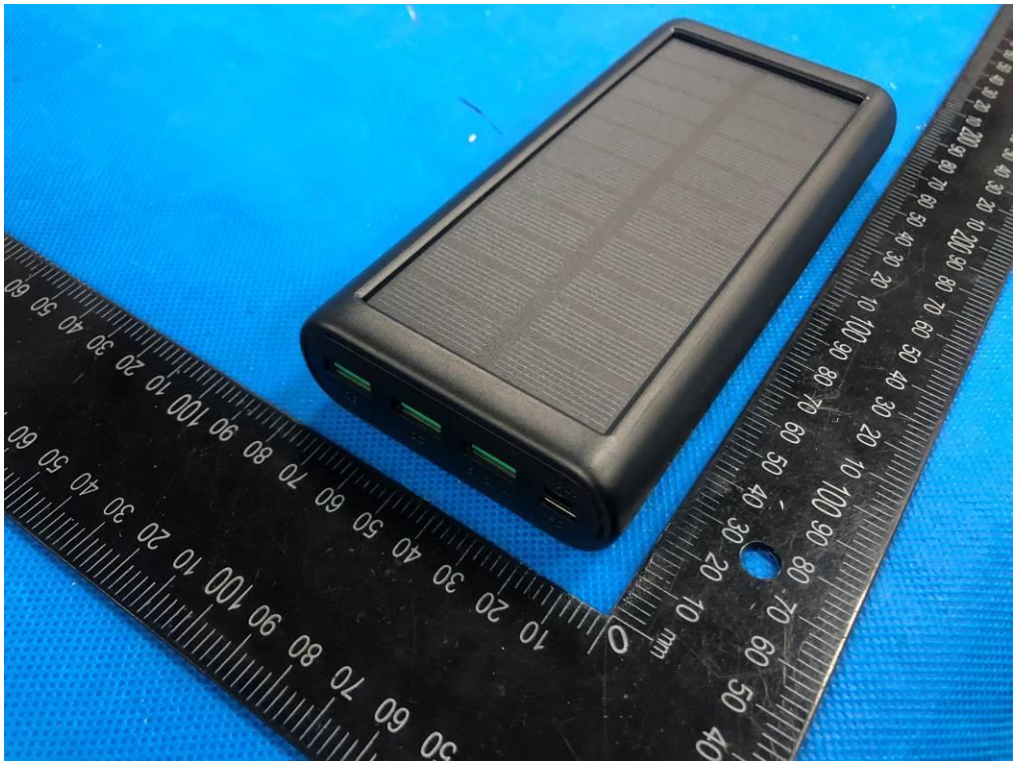
• Simple measures that can be taken by the user to correct interference.

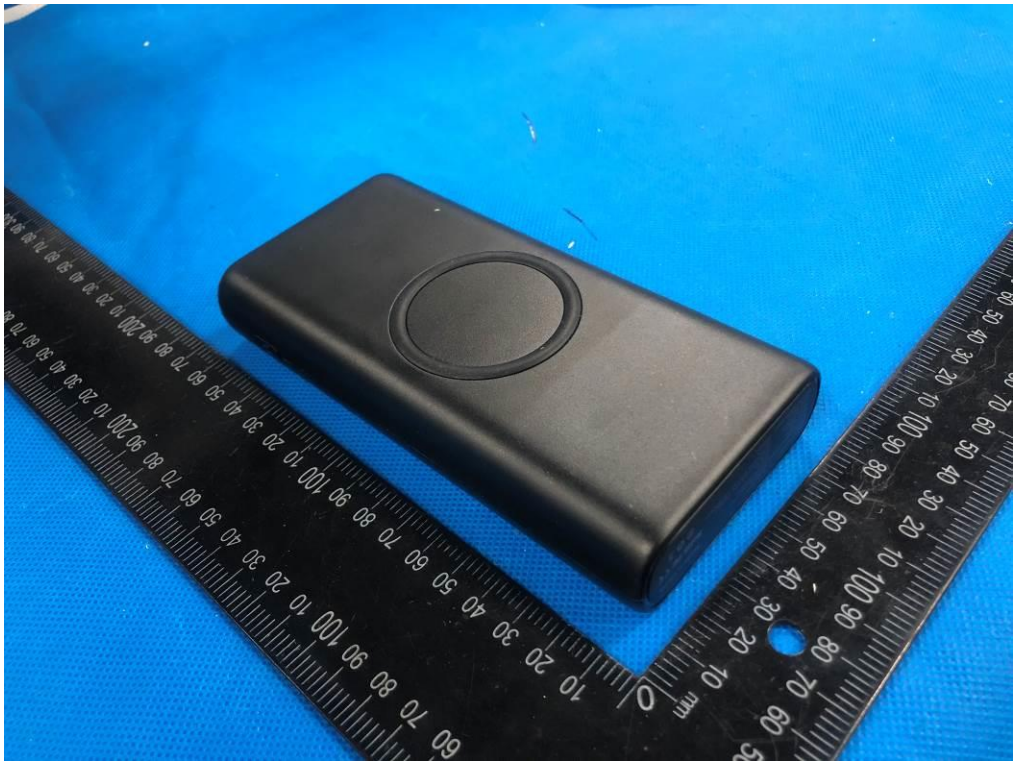
• For RF lighting devices, provide an advisory statement, either on the product packaging or with other user documentation, similar to the following:

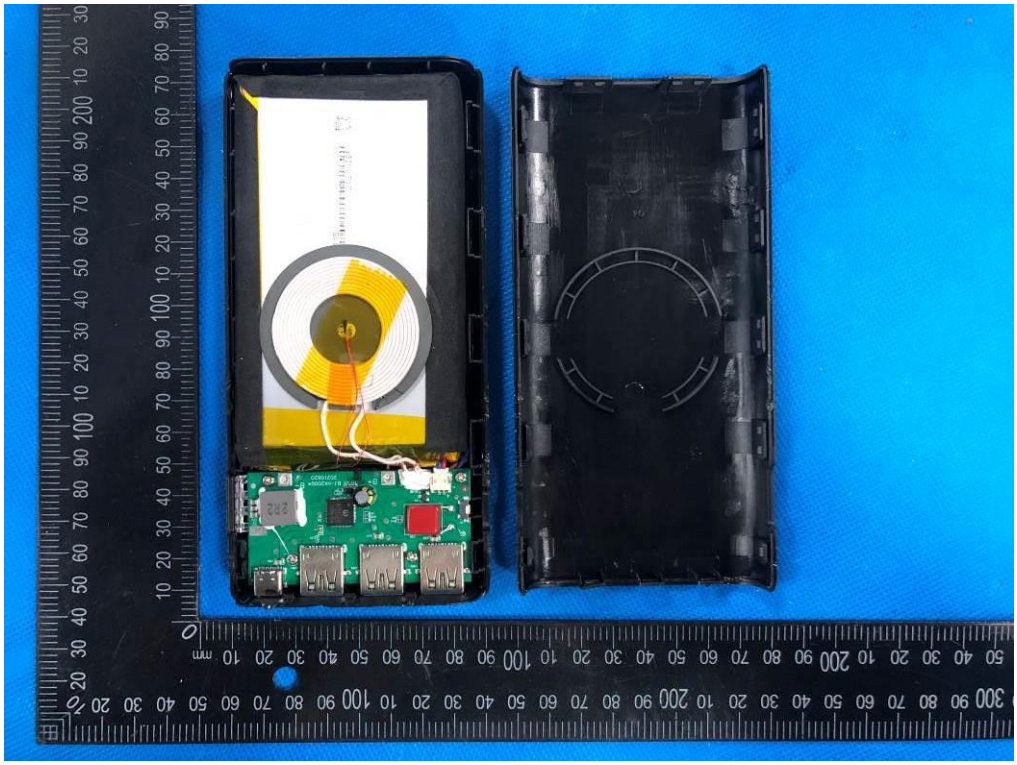
This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz.

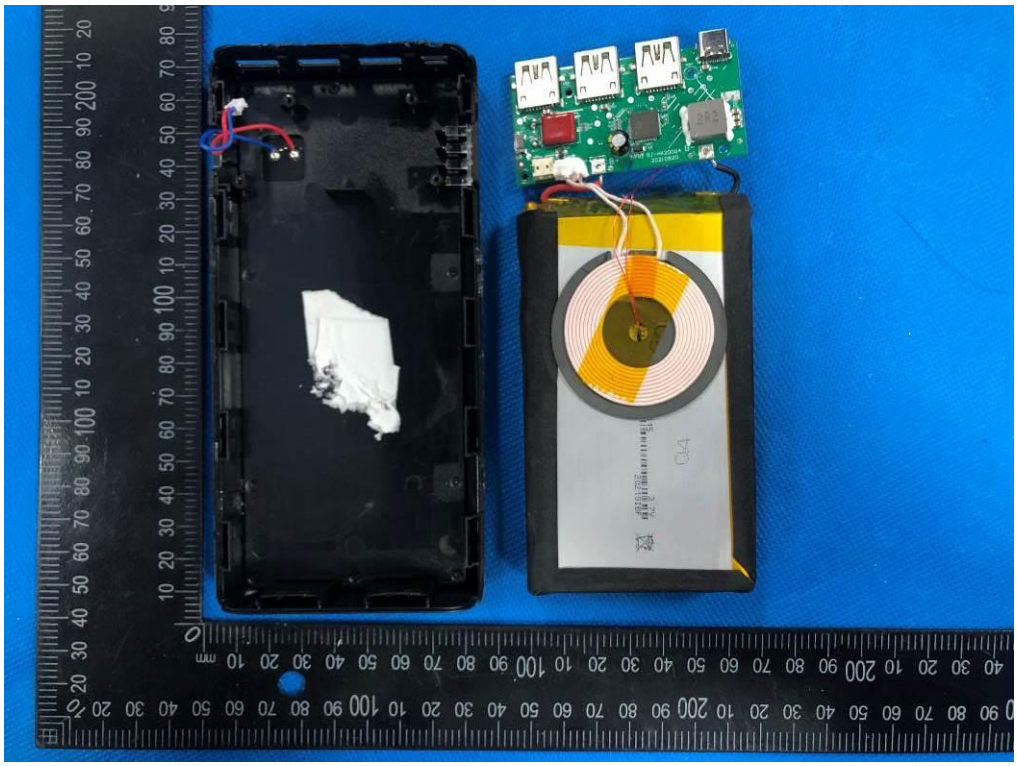
Variations of this language are permitted provided all the points of the statement are addressed, and may be presented in any legible font or text style.

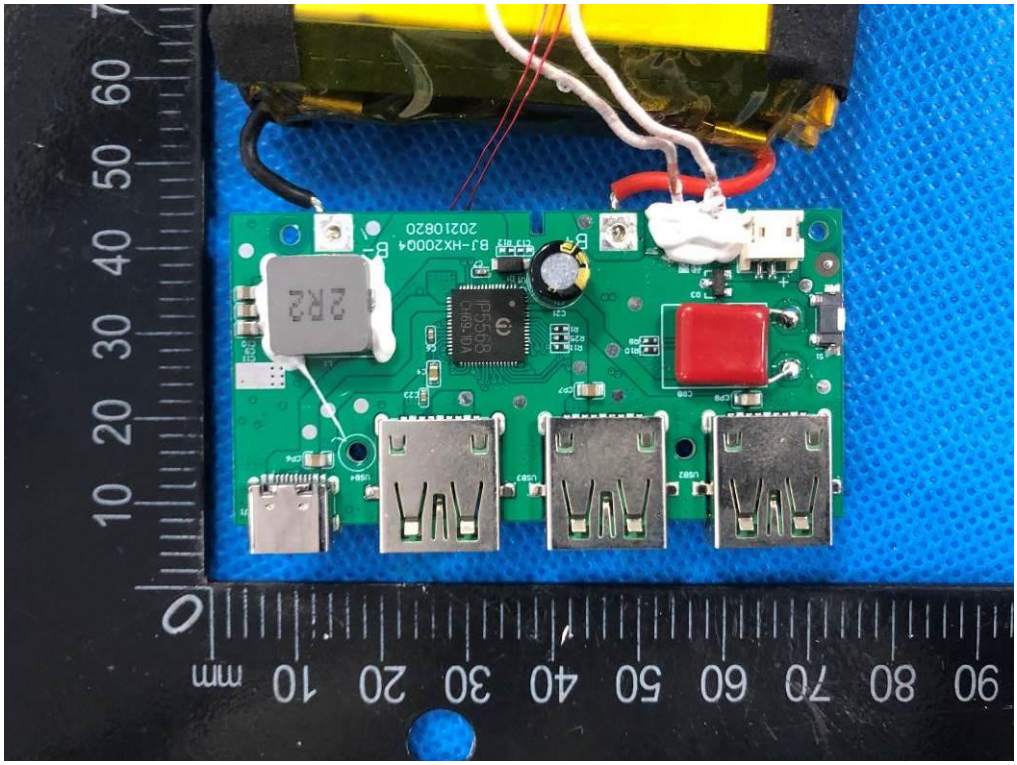
APPENDIX C: Photos of EUT

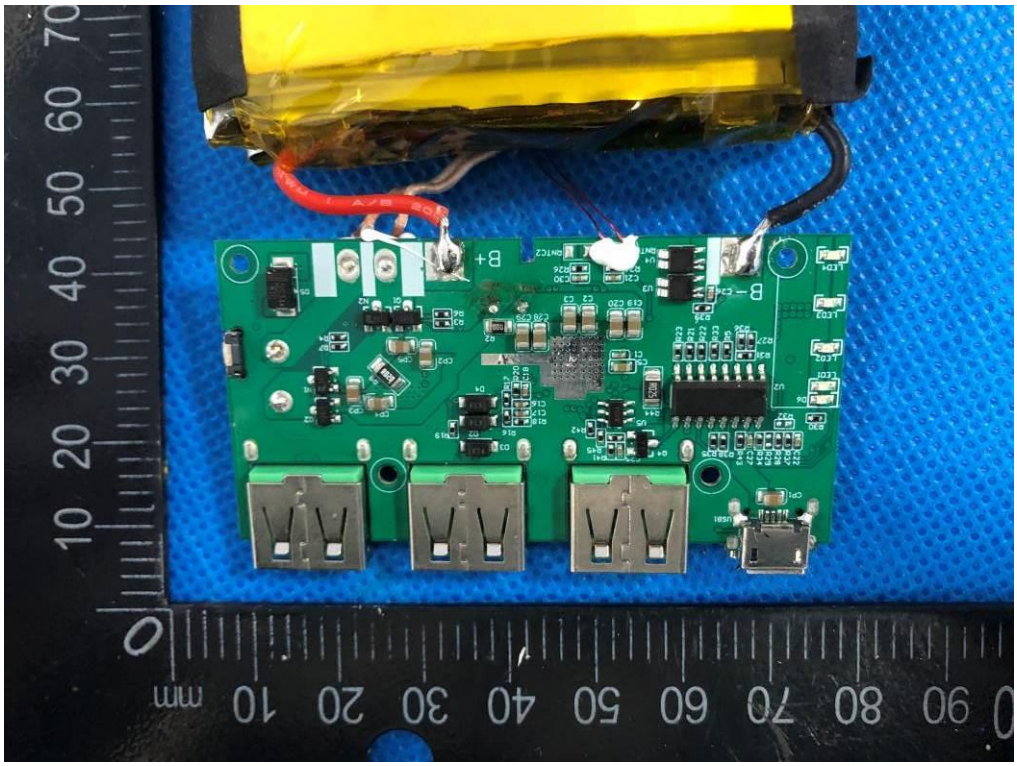


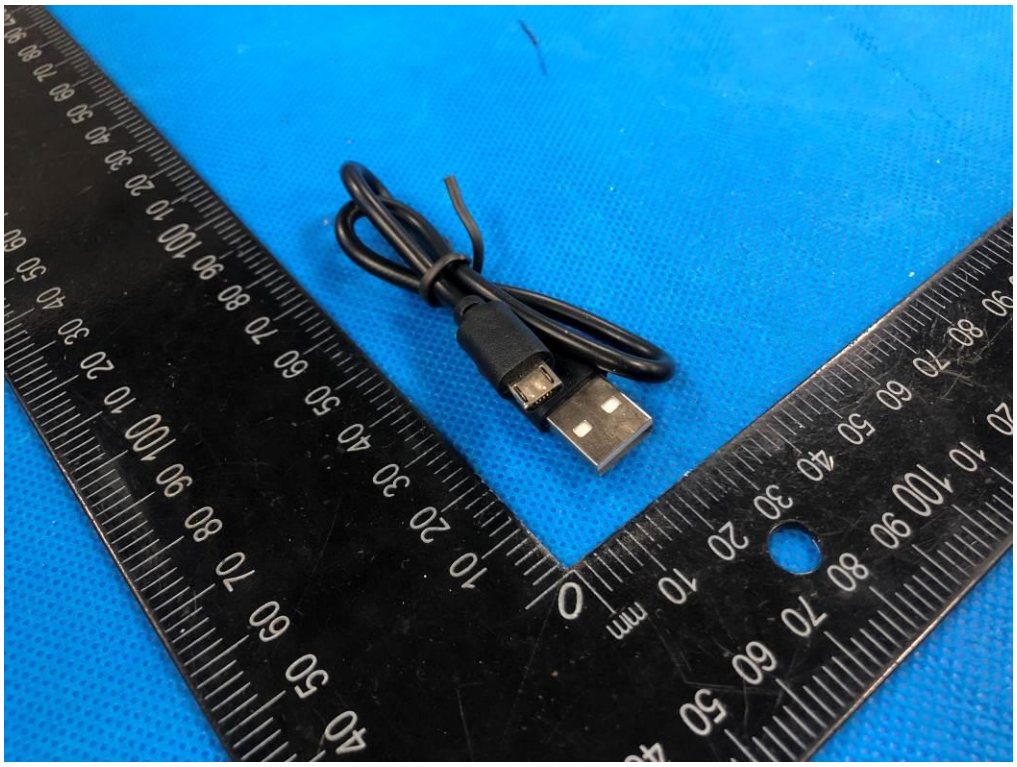












----------The end----------