

**ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT
INTENTIONAL RADIATOR CERTIFICATION TO
FCC PART 15 SUBPART C REQUIREMENT**

OF

Power Bank

Model No.: S0511

FCC ID: 2BBYY-S0511

Report No.: E04A23111121F00201

Issue Date: Dec. 07, 2023

Prepared for

Shenzhen Tuwei Technology Co.,LTD.

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Prepared by

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523808**

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Guangdong Global Testing Technology Co., Ltd.**

VERIFICATION OF COMPLIANCE

Applicant:	Shenzhen Tuwei Technology Co.,LTD. A, Floor 2, No.3, Xialingpai New Industrial Zone, Dalang Community, Dalang Street, Longhua District, Shenzhen City, Guangdong Province
Manufacturer:	Shenzhen Tuwei Technology Co.,LTD. A, Floor 2, No.3, Xialingpai New Industrial Zone, Dalang Community, Dalang Street, Longhua District, Shenzhen City, Guangdong Province
Product Description:	Power Bank
Model Number:	S0511
Series Model:	N/A

We hereby certify that:

The above equipment was tested by Guangdong Global Testing Technology Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.209(2022).

Date of Test: Nov. 30, 2023 to Dec. 07, 2023

Prepared by: 
Alan He/Editor

Reviewer &
Authorized Signer: 
Shawn Wen/ General Manager



Modified Information

Version	Summary	Revision Date	Report No.
Ver.1.0	Original Report	/	E04A23111121F00201

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1 General Information

1.1 Product Description

Characteristics	Description
Product Name	Power Bank
Model number	S0511
Series Model	N/A
Operation Mode	Wireless Charging
Rating	Capacity: 5000mAh /19.25Wh Type-C Input: 5V 3A, 9V 2.2A(+0.1) Type-C Output: 5V 3A, 9V 2.2A,12V 1.6A(+0.1) Lightning Input: 5V 3A(+0.1) Wireless Charging Power: 5W/7.5W/10W/15W Watch Wireless Charging Power: 2.5W
Battery Rating	DC 3.85V 5000mAh /19.25Wh
Power Supply	5V 3A, 9V 2.2A(+0.1)
Operating Frequency	110-205KHz for phone charging 300-350KHz for Watch charging
Wireless Charging Power	Wireless Charging Power: 5W/7.5W/10W/15W Watch Wireless Charging Power: 2.5W
Modulation Technique	FSK for phone charging ASK for Watch charging
Antenna Type	Coil Antenna
Sample receipt date	Dec. 07, 2023

1.2 Related Submittal(s) / Grant(s)

This submittal(s) (test report) is intended for FCC ID: 2BBYY-S0511 filing to comply with the FCC Part 15, Subpart C Rules.

1.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Special Accessories

Not available for this EUT intended for grant.

1.5 Equipment Modifications

Not available for this EUT intended for grant.

1.6 Test Facility

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

2 System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the fixed in a particular direction according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013.

2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

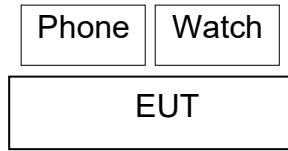


Table 2-1 Equipment Used in Tested System

Item	Equipment	Trade Mark	Model No.	FCC ID	Note
1.	Power Bank	/	S0511	2BBYY-S0511	<i>EUT</i>
2.	Phone	Apple	A2176	N/A	<i>Support Equipment</i>
3.	Watch	Apple	A1859	N/A	<i>Support Equipment</i>
4.	Adapter	XIAOMI	MDY-11-EX	N/A	<i>Support Equipment</i>
5.	USB Cable	/	/	N/A	<i>Support Equipment</i>

Note:

- (1) Unless otherwise denoted as EUT in 『Remark』 column, device(s) used in tested system is a support equipment.

3 Summary of Test Results

FCC Rules	Description Of Test	Result
§15.207	AC Power Conducted Emission	Compliant
§15.209	Radiated Emission	Compliant
§2.1049	20dB Bandwidth	Compliant
§15.203	Antenna Requirement	Compliant

4 TEST SYSTEM UNCERTAINTY

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

Parameter	Uncertainty
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 3\%$

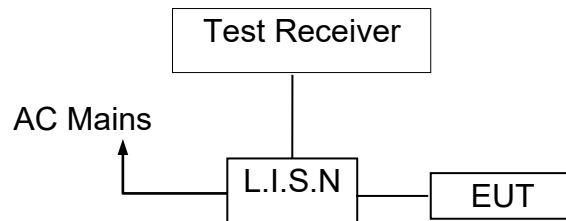
Remark: The coverage Factor ($k=2$), and measurement Uncertainty for a level of Confidence of 95%

5 Conducted Emissions Test

5.1 Measurement Procedure

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured was complete.

5.2 Test SET-UP (Block Diagram of Configuration)



5.3 Measurement Equipment Used

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Shielded Room	CHENG YU	8m*5m*4m	N/A	2022/10/29	2025/10/28
EMI Test Receiver	Rohde & Schwarz	ESR3	102647	2023/09/18	2024/09/17
LISN/AMN	Rohde & Schwarz	ENV216	102843	2023/09/18	2024/09/17
NNLK 8129 RC	Schwarzbeck	NNLK 8129 RC	5046	2023/03/30	2024/03/29
Test Software	Farad	EZ-EMC (Ver. EMC-con-3A1 1+)	N/A	N/A	N/A

5.4 Conducted Emission Limit

Conducted Emission

Frequency(MHz)

Quasi-peak

Average

0.15-0.5

66-56

56-46

0.5-5.0

56

46

5.0-30.0

60

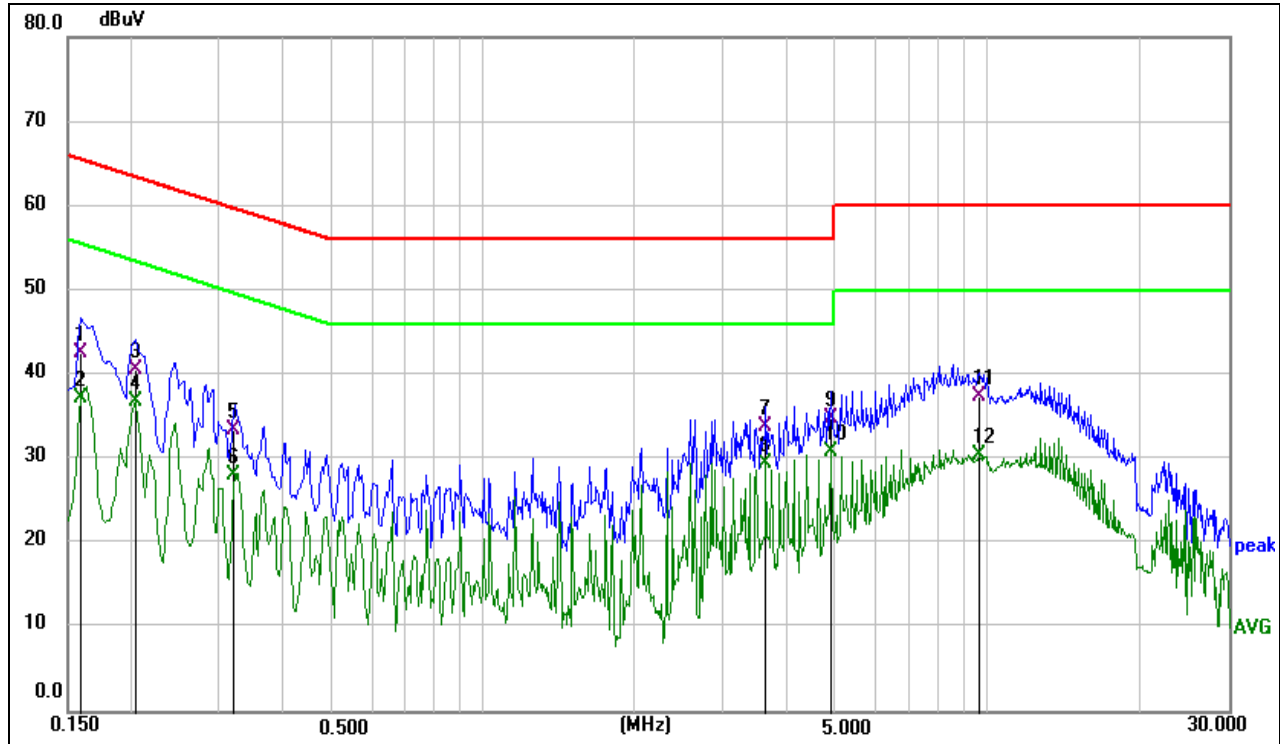
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Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

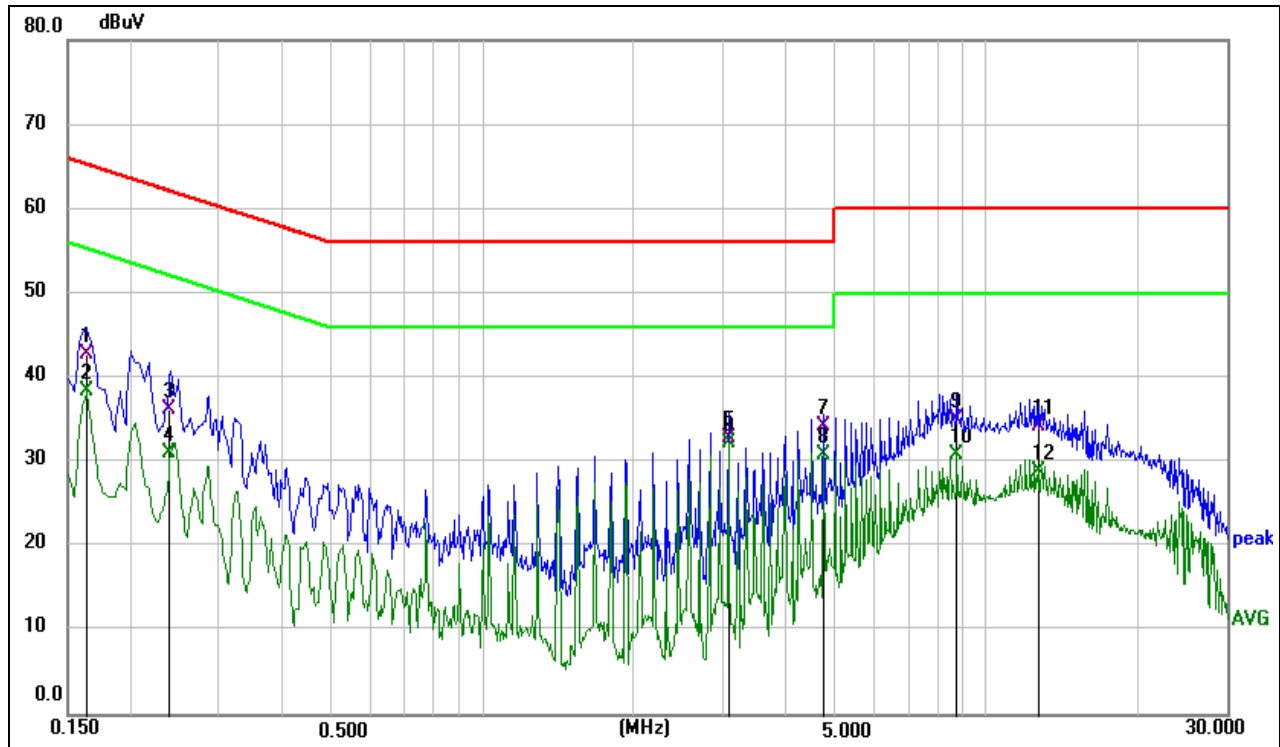
5.5 Measurement Result

Operation Mode:	TX	Test Date:	2023/12/4
Frequency Range:	0.15MHz~30MHz	Temperature:	26℃
Test Result:	PASS	Humidity:	54 %RH
Test By:	Fink		

Test mode: Charging

Site:	Shielding Room B-2	Phase: L1	Temperature(C): 26(C)
Limit:	FCC Part 15 C Conduction(QP)		Humidity(%): 54%RH
EUT:	portable power	Test Time:	2023/12/4 21:43:20
M/N.:	S0511	Power Rating:	AC120V/60Hz
Mode:	Wireless Charging Power	Test Engineer:	Fink
	15W+Watch Wireless Charging		
	2.5W: Output 15W+2.5W		
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1590	32.83	9.76	42.59	65.52	-22.93	QP
2	0.1590	27.43	9.76	37.19	55.52	-18.33	AVG
3	0.2040	30.83	9.82	40.65	63.45	-22.80	QP
4	0.2040	27.08	9.82	36.90	53.45	-16.55	AVG
5	0.3209	23.50	9.90	33.40	59.68	-26.28	QP
6	0.3209	18.10	9.90	28.00	49.68	-21.68	AVG
7	3.6284	23.88	9.98	33.86	56.00	-22.14	QP
8	3.6284	19.49	9.98	29.47	46.00	-16.53	AVG
9	4.8795	25.12	9.80	34.92	56.00	-21.08	QP
10	4.8795	21.15	9.80	30.95	46.00	-15.05	AVG
11	9.6225	27.31	10.04	37.35	60.00	-22.65	QP
12	9.6225	20.35	10.04	30.39	50.00	-19.61	AVG



Site:	Shielding Room B-2	Phase: N	Temperature(C): 26(C)
Limit:	FCC Part 15 C Conduction(QP)		Humidity(%): 54%RH
EUT:	portable power	Test Time:	2023/12/4 21:44:47
M/N.:	S0511	Power Rating:	AC120V/60Hz
Mode:	Wireless Charging Power	Test Engineer:	Fink
	15W+Watch Wireless Charging		
	2.5W: Output 15W+2.5W		
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1635	33.03	9.71	42.74	65.28	-22.54	QP
2	0.1635	28.70	9.71	38.41	55.28	-16.87	AVG
3	0.2400	26.49	9.83	36.32	62.10	-25.78	QP
4	0.2400	21.17	9.83	31.00	52.10	-21.10	AVG
5	3.0885	22.86	9.94	32.80	56.00	-23.20	QP
6	3.0885	22.30	9.94	32.24	46.00	-13.76	AVG
7	4.7580	24.23	9.93	34.16	56.00	-21.84	QP
8	4.7580	20.88	9.93	30.81	46.00	-15.19	AVG
9	8.7450	25.04	9.98	35.02	60.00	-24.98	QP
10	8.7450	20.84	9.98	30.82	50.00	-19.18	AVG
11	12.7319	24.21	9.98	34.19	60.00	-25.81	QP
12	12.7319	18.88	9.98	28.86	50.00	-21.14	AVG

5.6 Conducted Measurement Photo



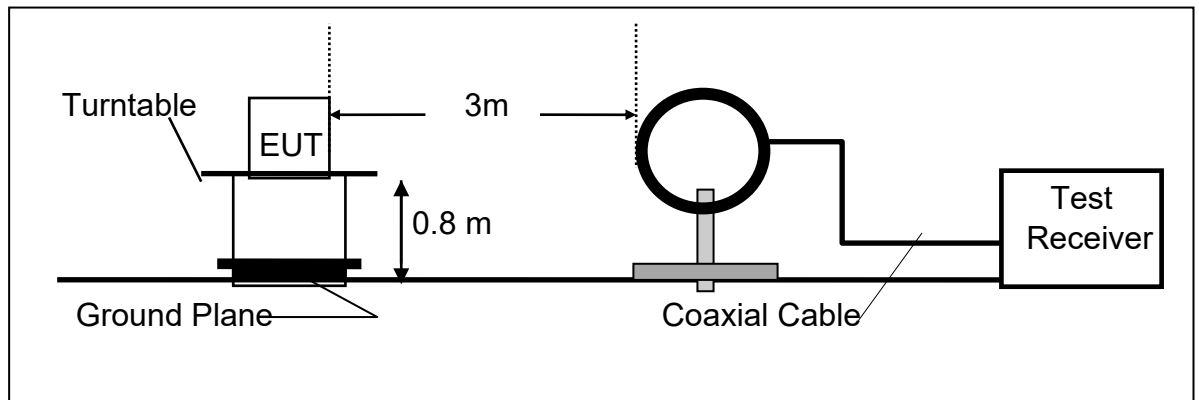
6 Radiated Emission Test

6.1 Measurement Procedure

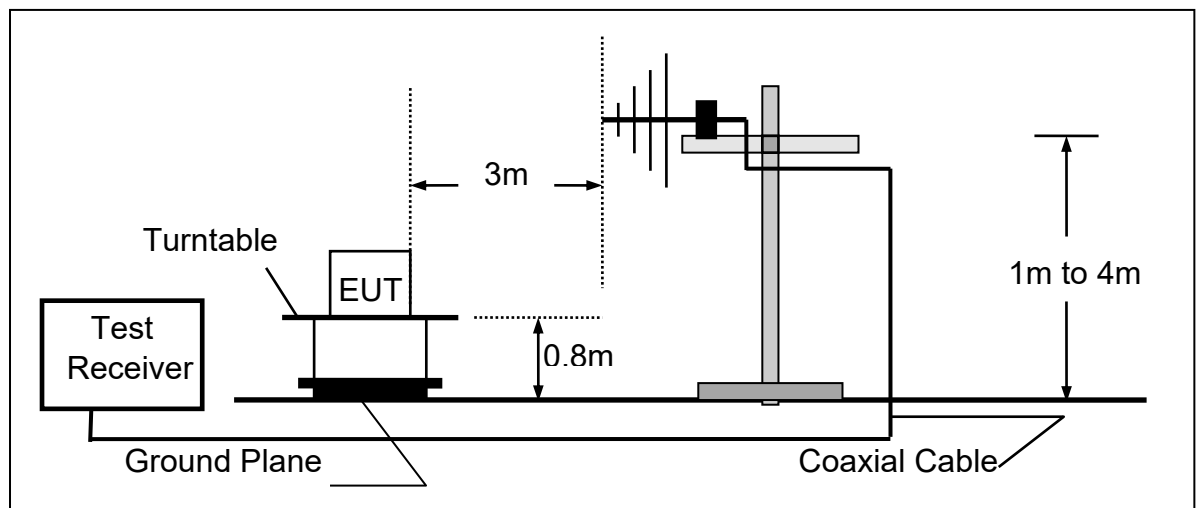
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.

6.2 Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



6.3 Measurement Equipment Used

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2146	2022/08/30	2025/08/29
EMI Test Receiver	Rohde & Schwarz	ESCI3	101409	2023/09/18	2024/09/17
Spectrum Analyzer	KEYSIGHT	N9020A	MY51283932	2023/09/18	2024/09/17
Pre-Amplifier	HzEMC	HPA-9K0130	HYP A21001	2023/09/18	2024/09/17
Biconilog Antenna	Schwarzbeck	VULB 9168	01315	2022/10/10	2025/10/09
Biconilog Antenna	ETS	3142E	00243646	2022/03/23	2025/03/22
Loop Antenna	ETS	6502	243668	2022/03/30	2025/03/29
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE)	N/A	N/A	N/A

6.4 Radiated Emission Limit

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

FCC Part 15.209				
Frequency (MHz)	Field Strength Limitation		Field Strength Limitation Frequency tion at 3m Measurement Dist	
	(uV/m)	Dist	(uV/m)	(dBuV/m)
0.009 – 0.490	$2400 / F(\text{KHz})$	300m	$10000 * 2400/F(\text{KHz})$	$20\log 2400/F(\text{KHz}) + 80$
0.490 – 1.705	$24000 / F(\text{KHz})$	30m	$100 * 24000/F(\text{KHz})$	$20\log 24000/F(\text{KHz}) + 40$
1.705 – 30.00	30	30m	$100 * 30$	$20\log 30 + 40$
30.0 – 88.0	100	3m	100	$20\log 100$
88.0 – 216.0	150	3m	150	$20\log 150$
216.0 – 960.0	200	3m	200	$20\log 200$
Above 960.0	500	3m	500	$20\log 500$

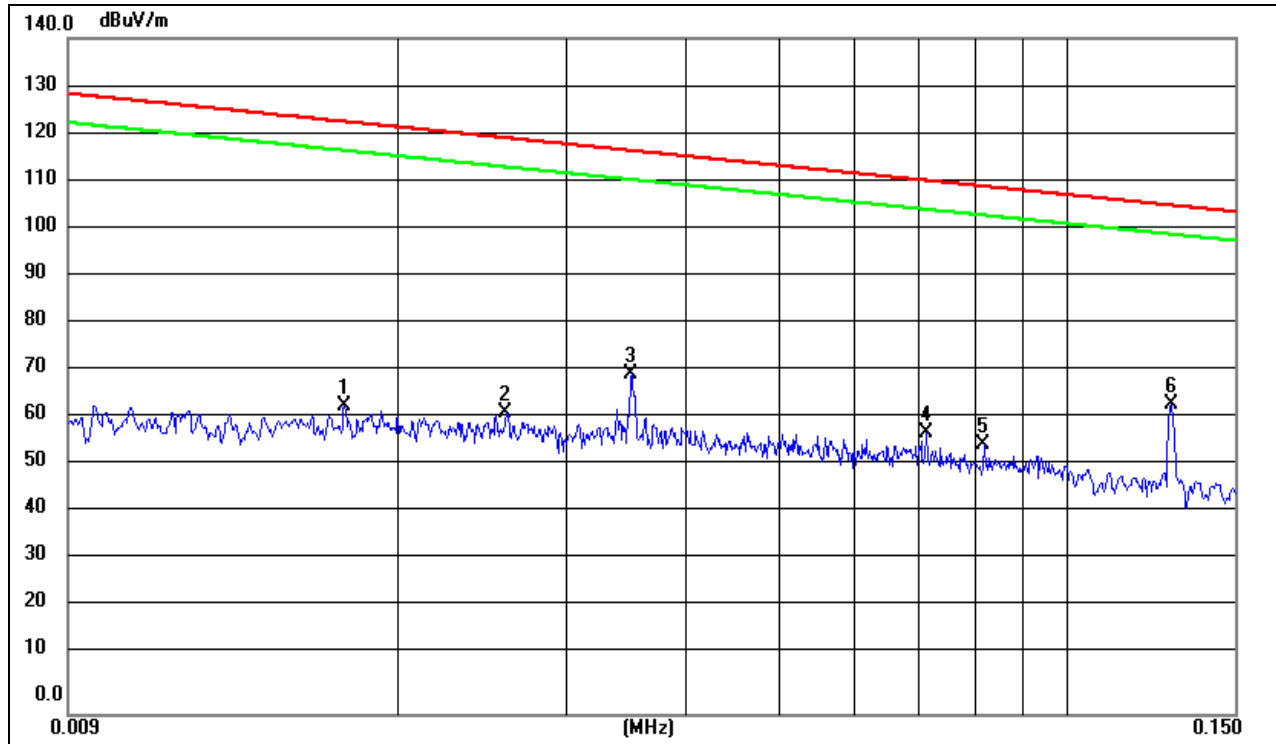
15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

Remark: 1. Emission level in dBuV/m=20 log (uV/m)
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of § 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

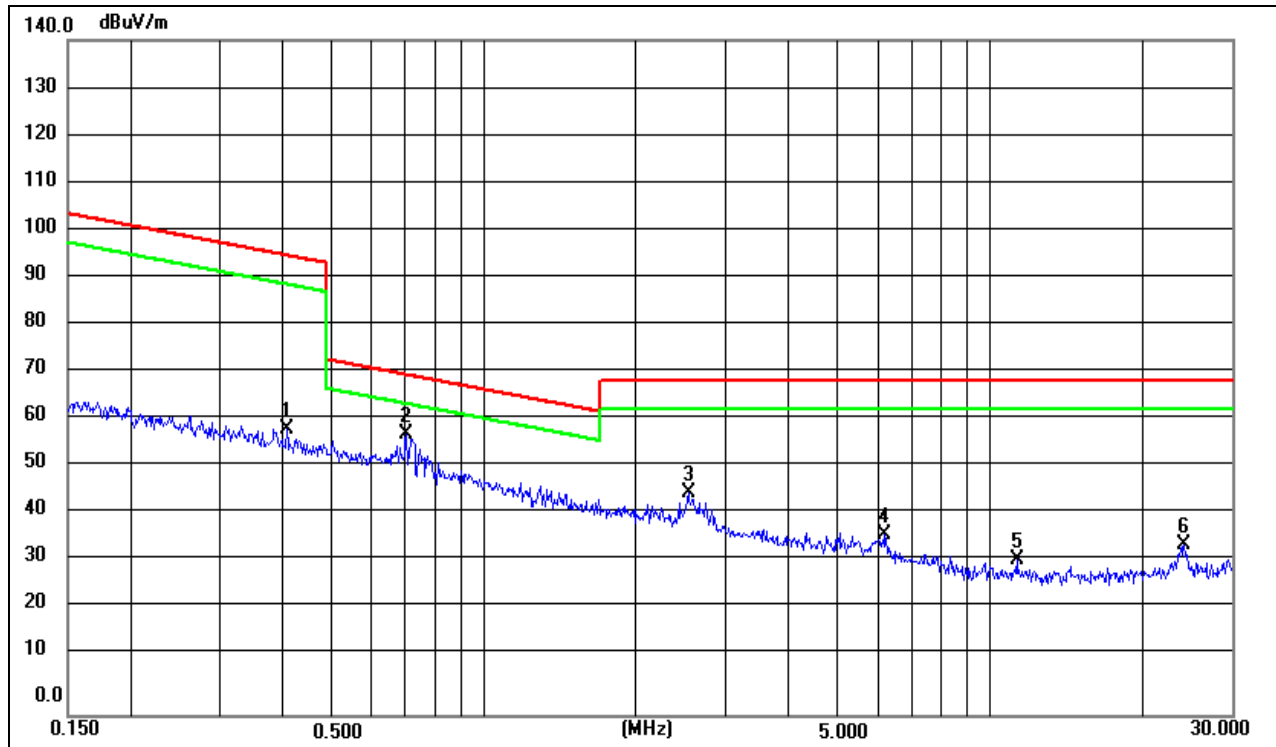
6.5 Measurement Result

We pretested modes (Wireless Charging(5W), Wireless Charging(7.5W), Wireless Charging(10W), Wireless Charging(15W), Wireless Charging(2.5W), Wireless Charging(15W + 2.5W), for EUT.
The worst mode (Wireless Charging(15W + 2.5W)) test data see follow the table.



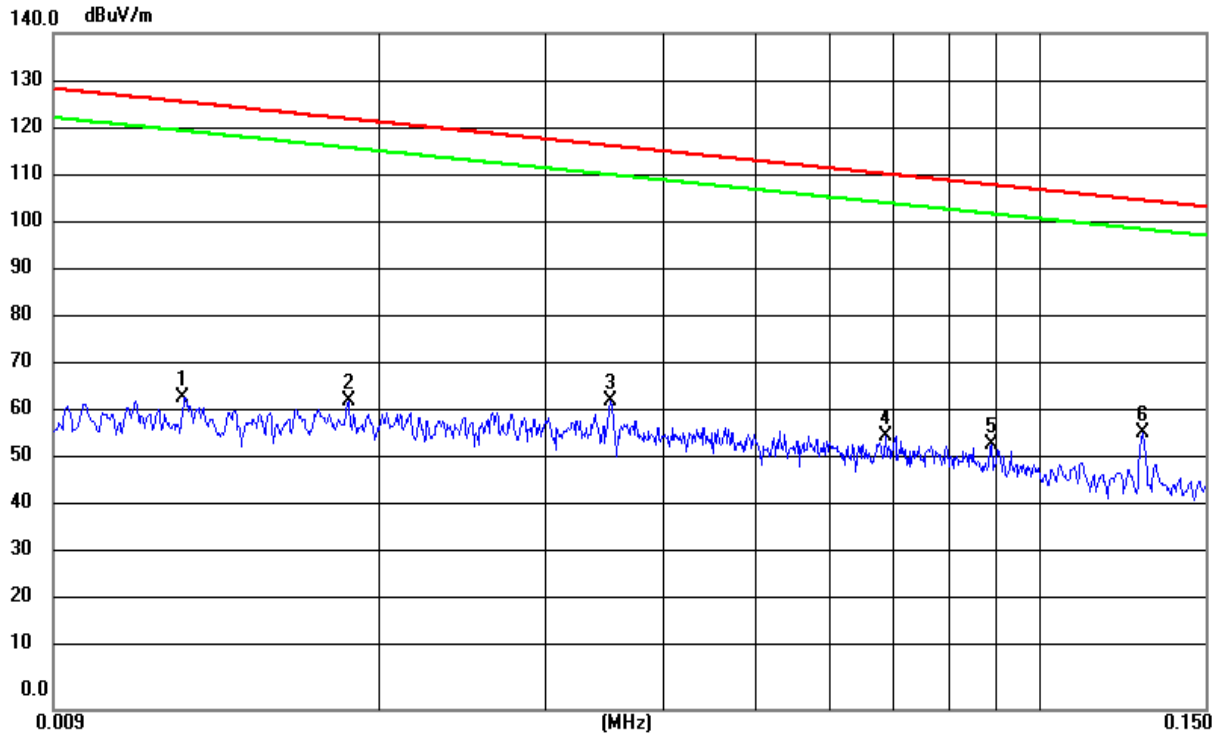
Site:	Antenna:	Temperature(C):24.3(C)
Limit:	Horizontal	Humidity(%):53.2%
EUT:	FCC Part 15.209 3m Radiation(QP)9K-30MH	Test Time: 2023/12/06 14:44:15
M/N.:	Power Bank	Power Rating: AC 120V/60Hz
Mode:	S0511	Test Engineer: Vier
	Wireless Charging Power 15W + Watch Wireless Charging 2.5W: Output 15W + 2.5W	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	0.0175	43.64	20.33	63.97	122.73	-58.76	peak	
2	0.0259	42.29	20.21	62.50	119.32	-56.82	peak	
3	0.0350	50.33	20.09	70.42	116.71	-46.29	peak	
4	0.0714	38.71	19.65	58.36	110.52	-52.16	peak	
5	0.0819	36.13	19.70	55.83	109.33	-53.50	peak	
6 *	0.1285	44.53	19.63	64.16	105.42	-41.26	peak	



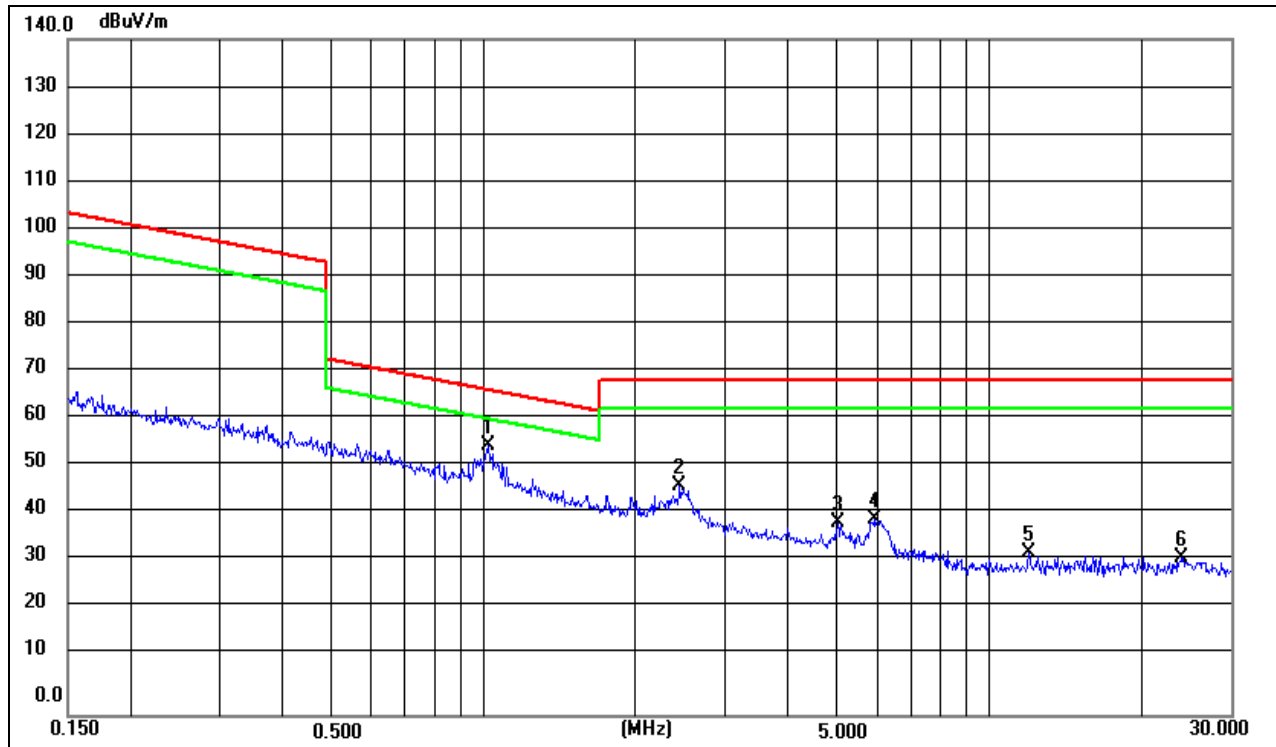
Site:		Antenna: Horizontal	Temperature(C): 24.3(C)
Limit:	FCC Part 15.209 3m Radiation(QP)9K-30MH		Humidity(%): 53.2%
EUT:	Power Bank	Test Time:	2023/12/06 14:45:57
M/N.:	S0511	Power Rating:	AC 120V/60Hz
Mode:	Wireless Charging Power 15W + Watch Wireless Charging 2.5W: Output 15W + 2.5W	Test Engineer:	Vier
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	0.4061	39.67	19.61	59.28	95.43	-36.15	peak	
2 *	0.7010	38.78	19.53	58.31	70.70	-12.39	peak	
3	2.5266	26.78	19.59	46.37	69.50	-23.13	peak	
4	6.1860	18.06	19.69	37.75	69.50	-31.75	peak	
5	11.2572	12.29	20.02	32.31	69.50	-37.19	peak	
6	24.1423	14.61	20.86	35.47	69.50	-34.03	peak	



Site:		Antenna: Vertical	Temperature(C): 24.3(C)
Limit:	FCC Part 15.209 3m Radiation(QP)9K-30MH		Humidity(%): 53.2%
EUT:	Power Bank	Test Time:	2023/12/06 14:48:14
M/N.:	S0511	Power Rating:	AC 120V/60Hz
Mode:	Wireless Charging Power 15W + Watch Wireless Charging 2.5W: Output 15W + 2.5W	Test Engineer:	Vier
Note:			

No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1	0.0123	44.25	20.40	64.65	125.79	-61.14	peak	
2	0.0185	43.61	20.31	63.92	122.24	-58.32	peak	
3	0.0351	43.95	20.09	64.04	116.69	-52.65	peak	
4	0.0687	37.09	19.66	56.75	110.86	-54.11	peak	
5	0.0889	35.06	19.73	54.79	108.62	-53.83	peak	
6 *	0.1285	37.65	19.63	57.28	105.42	-48.14	peak	

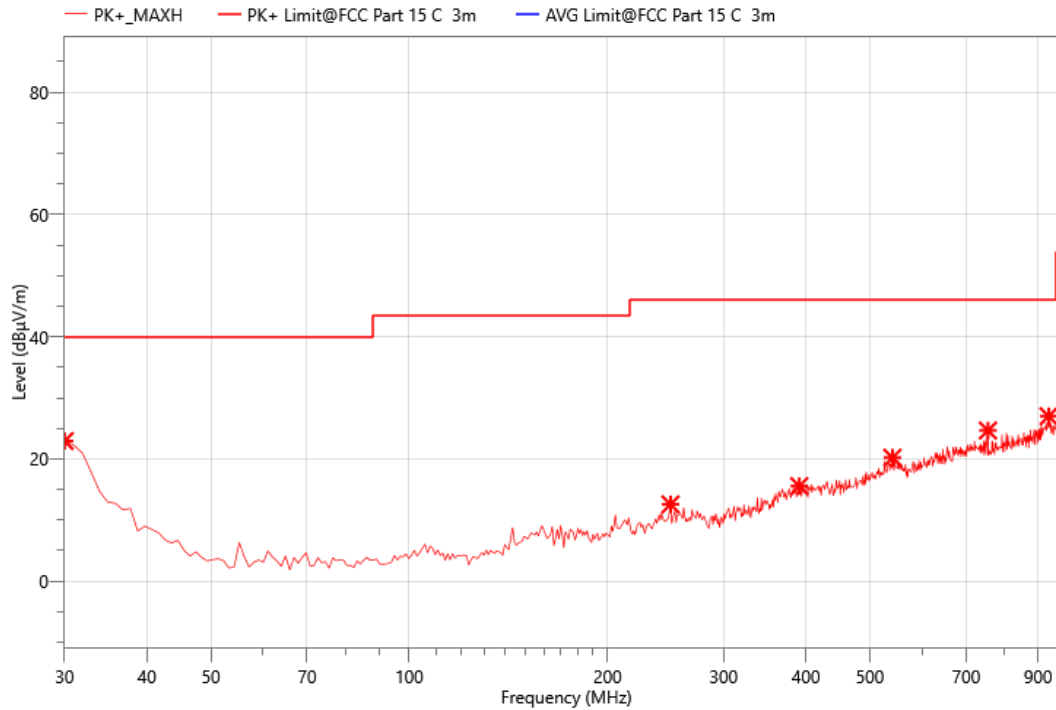


Site:		Antenna: Vertical	Temperature(C): 24.3(C)
Limit:	FCC Part 15.209 3m Radiation(QP)9K-30MH		Humidity(%): 53.2%
EUT:	Power Bank	Test Time:	2023/12/06 14:50:30
M/N.:	S0511	Power Rating:	AC 120V/60Hz
Mode:	Wireless Charging Power 15W + Watch Wireless Charging 2.5W: Output 15W + 2.5W	Test Engineer:	Vier
Note:			

No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1 *	1.0211	36.52	19.44	55.96	67.44	-11.48	peak	
2	2.4346	28.04	19.57	47.61	69.50	-21.89	peak	
3	5.0046	20.06	19.82	39.88	69.50	-29.62	peak	
4	5.8980	20.98	19.73	40.71	69.50	-28.79	peak	
5	11.9328	13.63	20.10	33.73	69.50	-35.77	peak	
6	24.0147	11.91	20.90	32.81	69.50	-36.69	peak	

Note: (1) All Readings are Peak Value.
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 (3) The average measurement was not performed when the peak measured data under the limit of average detection.
 (4) EUT lying on the table position is the worst case result in the report.

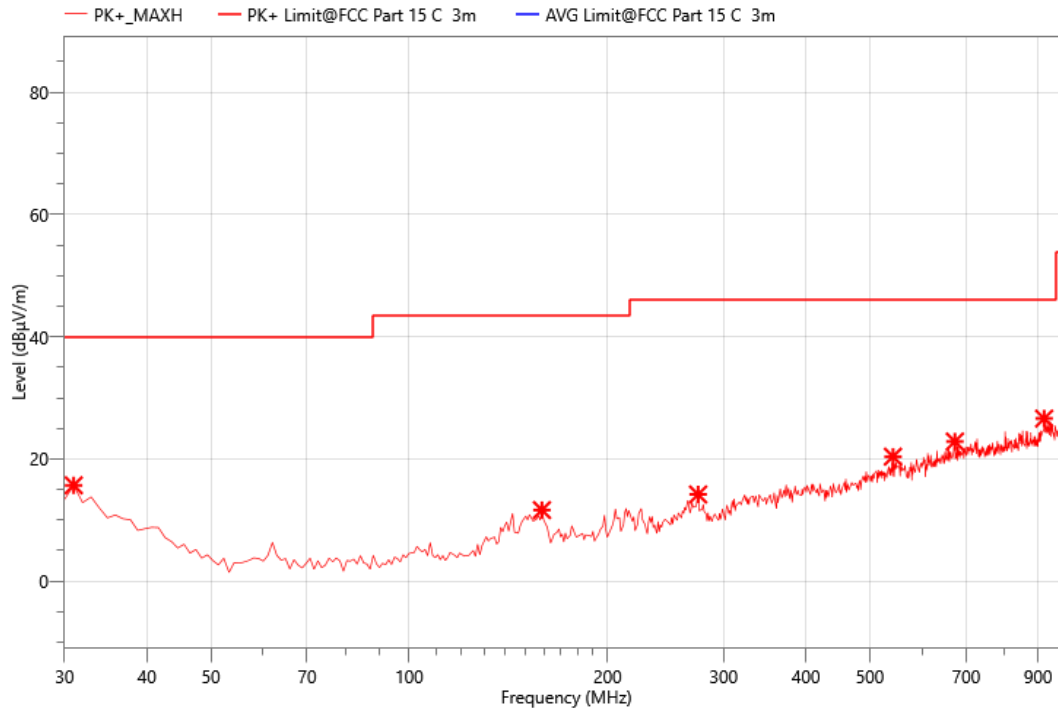
MN:	S0511
Mode:	Wireless Charging Power 15W+Watch Wireless Charging 2.5W: Output 15W+2.5W
Power:	AC 120V/60Hz
TE:	Big
Date	2023/12/4
T/A/P	24.1/53%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	30.000	37.20	22.93	40.00	17.07	PK+	H	-14.27
2	249.220	31.71	12.57	46.00	33.43	PK+	H	-19.14
3	390.840	29.89	15.56	46.00	30.44	PK+	H	-14.33
4	541.190	30.40	20.21	46.00	25.79	PK+	H	-10.19
5	755.560	31.99	24.66	46.00	21.34	PK+	H	-7.33
6	934.040	30.05	27.00	46.00	19.00	PK+	H	-3.05

Mode:	Wireless Charging Power 15W + Watch Wireless Charging 2.5W: Output 15W + 2.5W
Power:	AC 120V/60Hz
TE:	Big
Date	2023/12/4
T/A/P	24.1/53%/101Kpa



Critical_Freqs

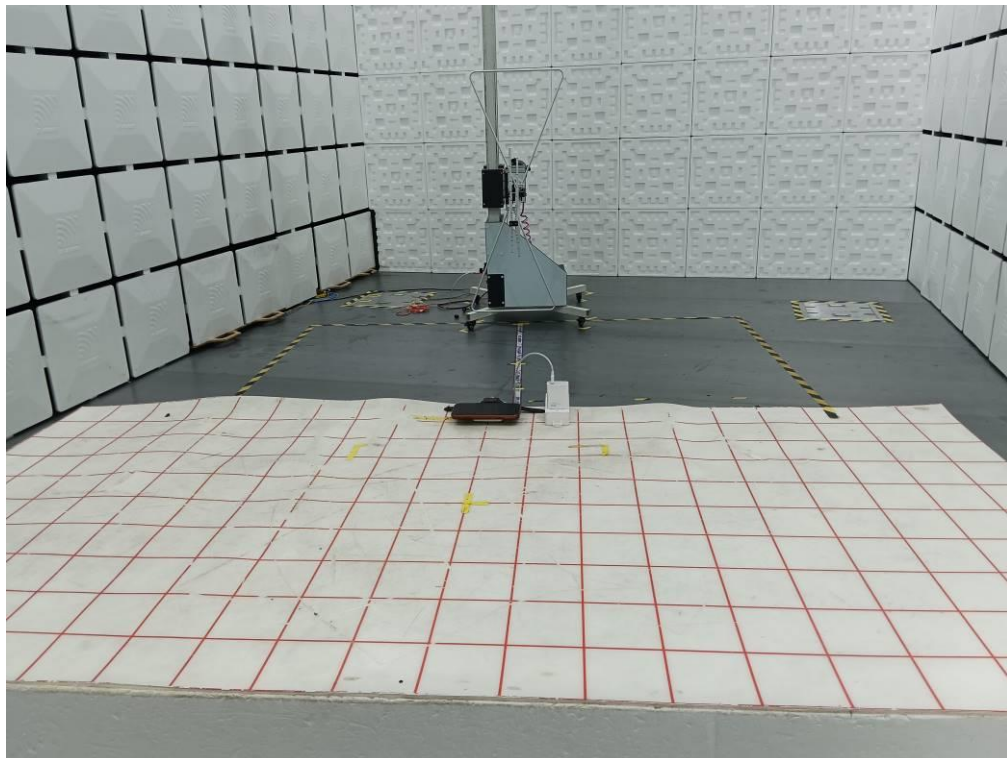
No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	30.970	30.49	15.69	40.00	24.31	PK+	V	-14.8
2	159.010	33.28	11.64	43.50	31.86	PK+	V	-21.64
3	274.440	33.02	14.19	46.00	31.81	PK+	V	-18.83
4	542.160	30.51	20.38	46.00	25.62	PK+	V	-10.13
5	673.110	30.80	22.86	46.00	23.14	PK+	V	-7.94
6	919.490	30.27	26.61	46.00	19.39	PK+	V	-3.66

6.6 Radiated Measurement Photos

9kHz-30MHz



30MHz-1GHz



7 20db Bandwidth

7.1 20dB Bandwidth Limit

None: for reporting purposed only.

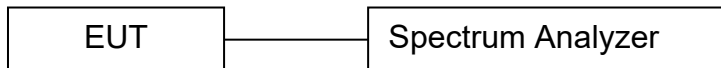
7.2 Test Instruments

Refer a test equipment and calibration data table in this test report.

7.3 Test Procedure

The bandwidth of the fundamental frequency was measured by spectrum analyzer with 1KHz RBW and 3KHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

7.4 Test Setup



7.5 Test Result

phone charging

Frequency (KHz)	20dB Bandwidth (KHz)	Results
128.5	2.849	PASS

Watch charging

Frequency (KHz)	20dB Bandwidth (KHz)	Results
329.6	2.907	PASS

20 dB Bandwidth Test plot phone charging



Watch charging



8 Antenna Application

8.1 Antenna requirement

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 Result

The EUT's antenna, permanent attached antenna, used an Induction coil and integrated on PCB, The antenna's gain meets the requirement.

APPENDIX**(Photos of EUT)****External-1****External-2**

External-3**External-4**

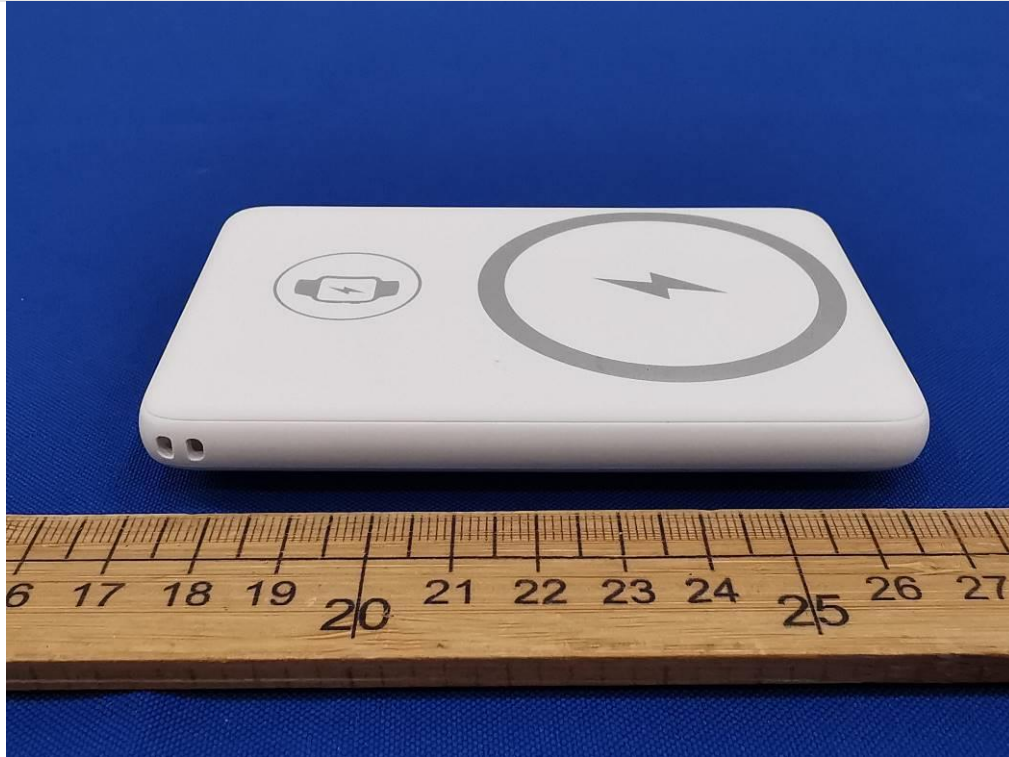
External-5



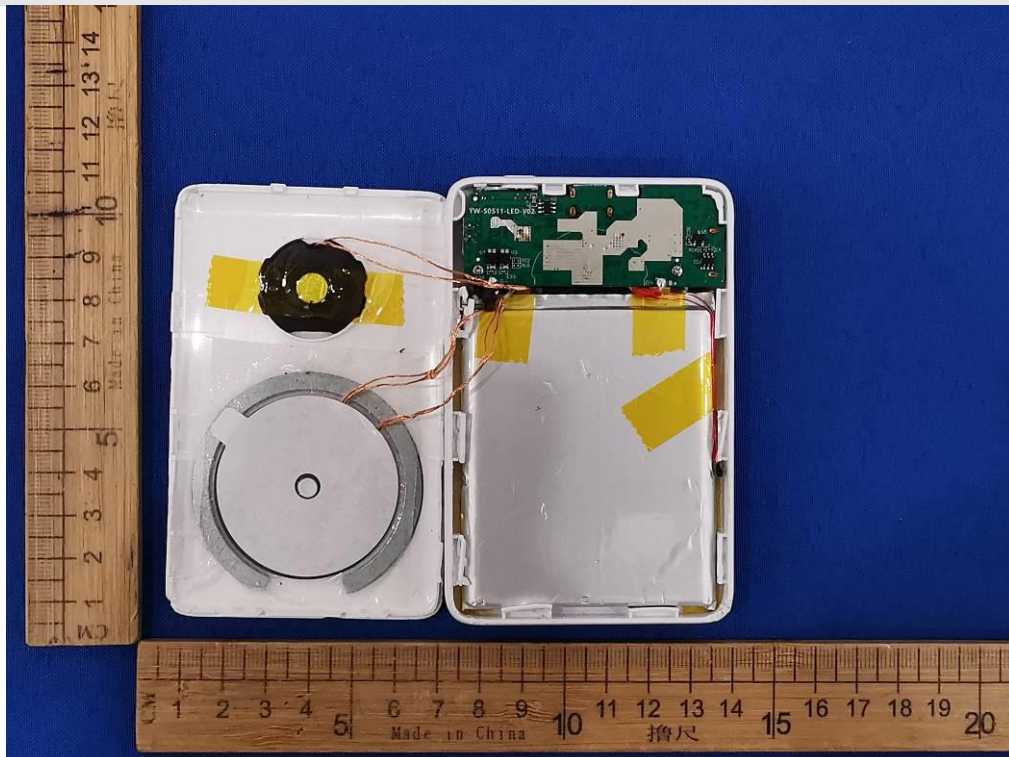
External-6

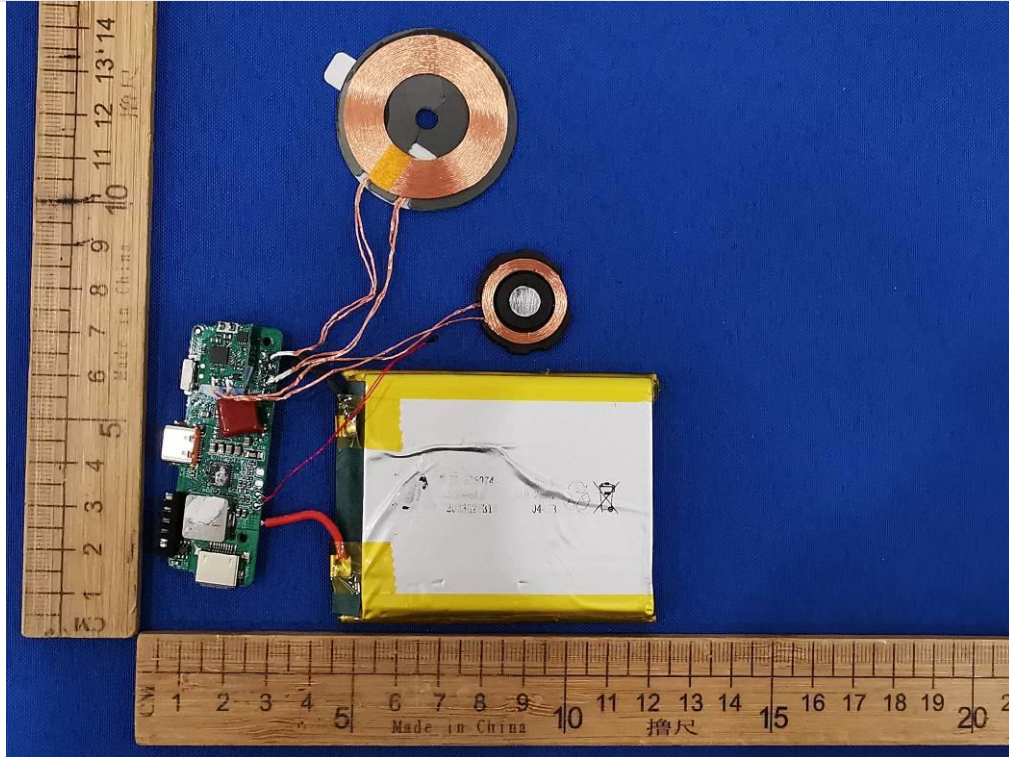
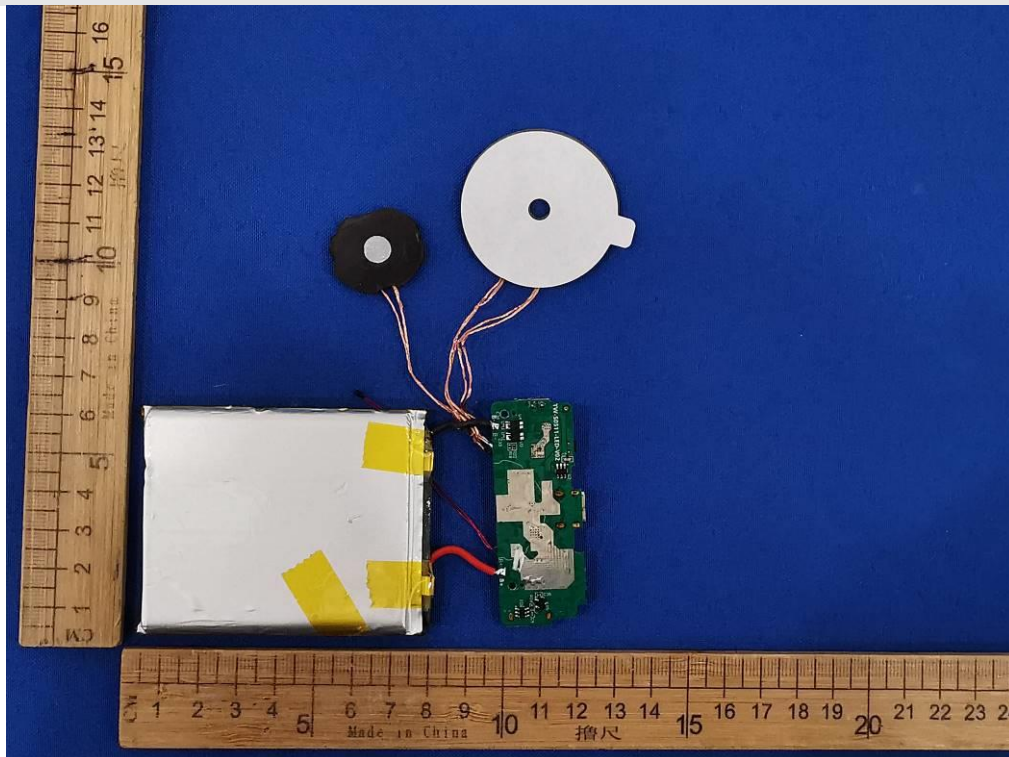


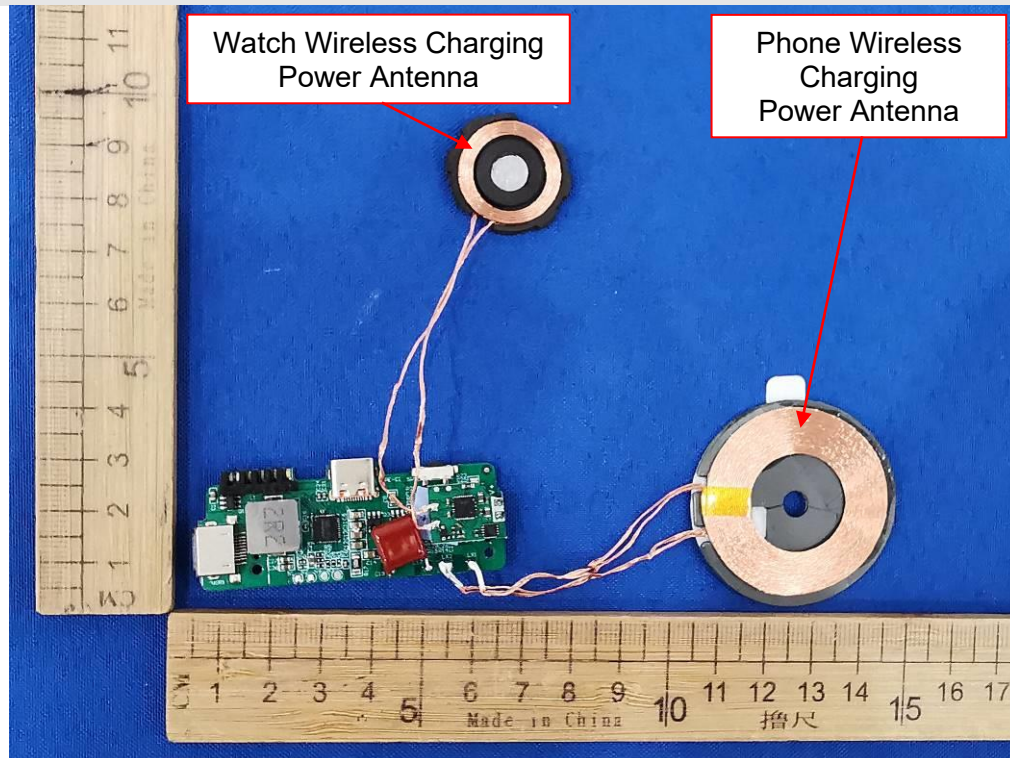
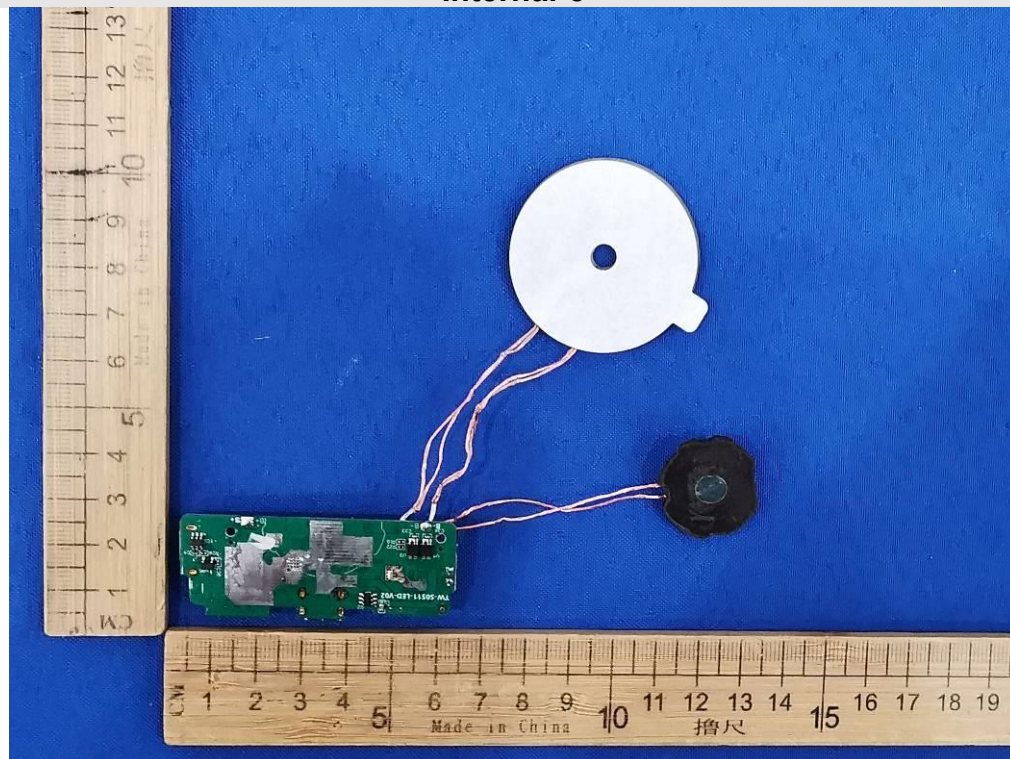
External-7

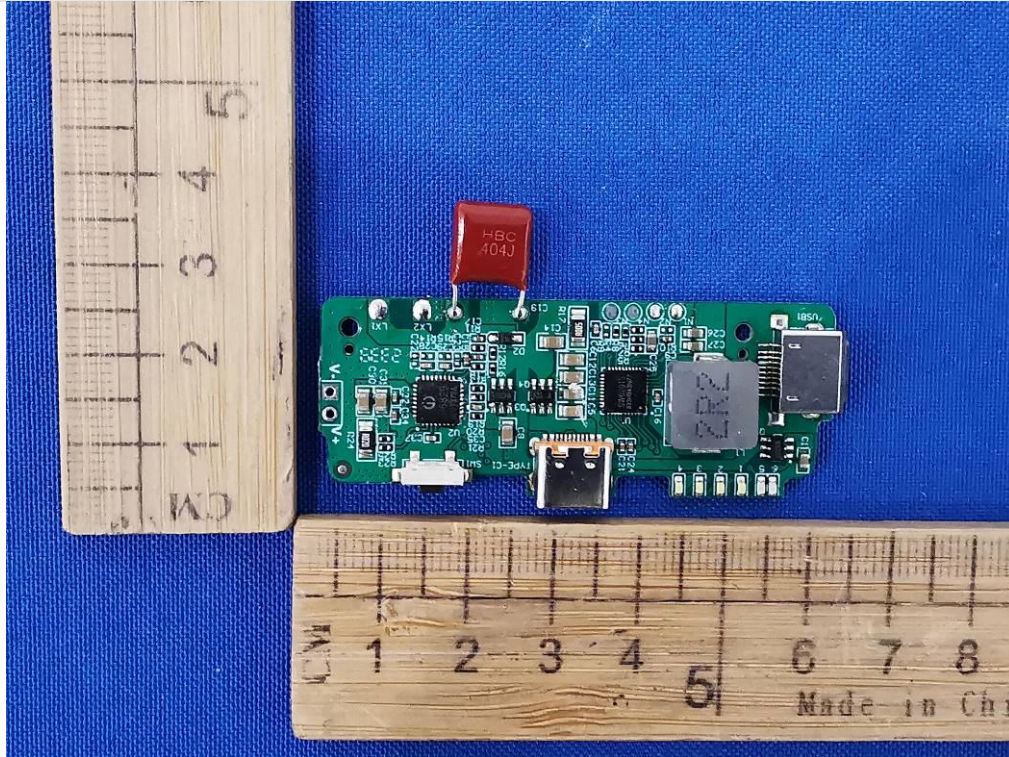
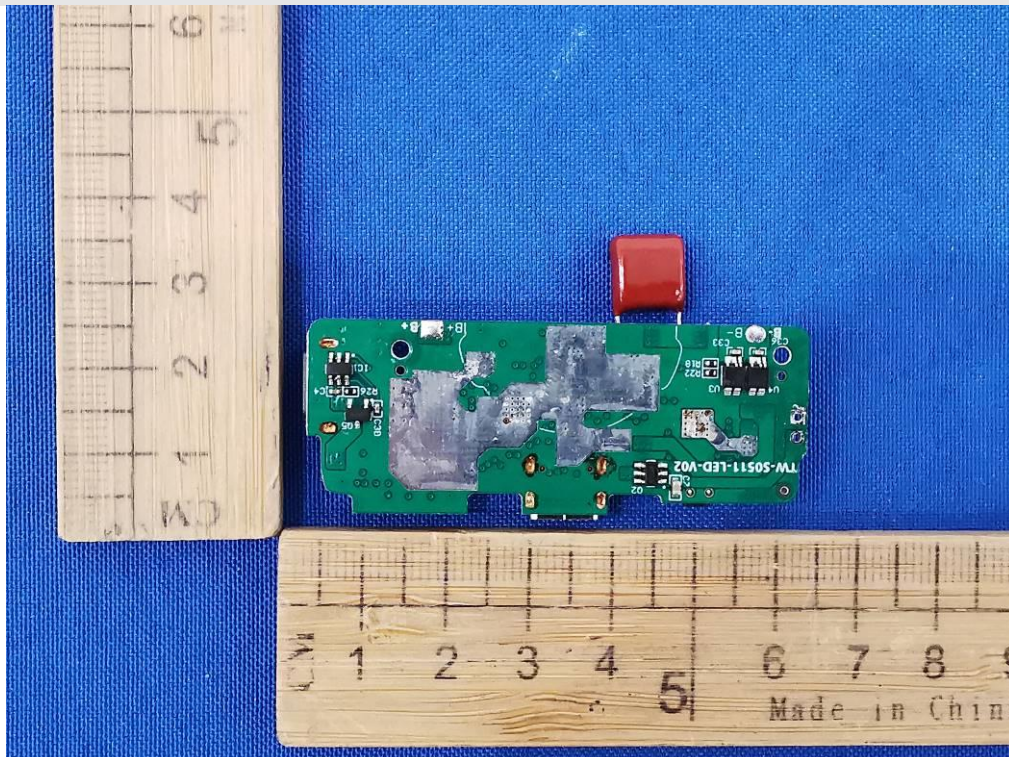


Internal-1

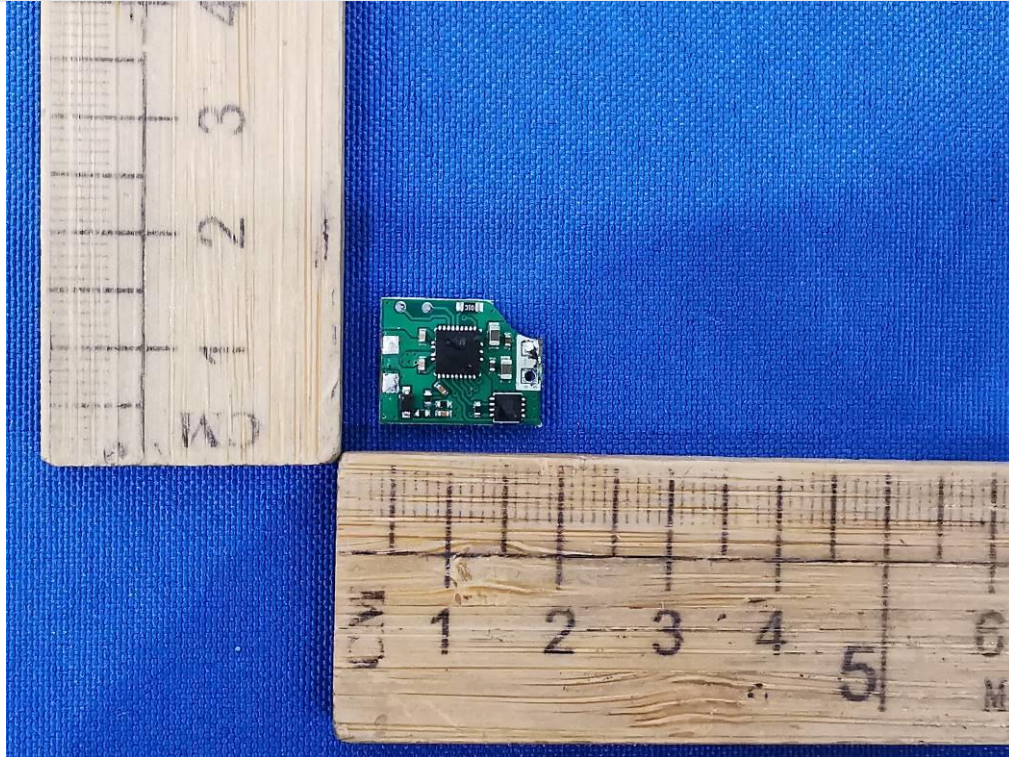


Internal-2**Internal-3**

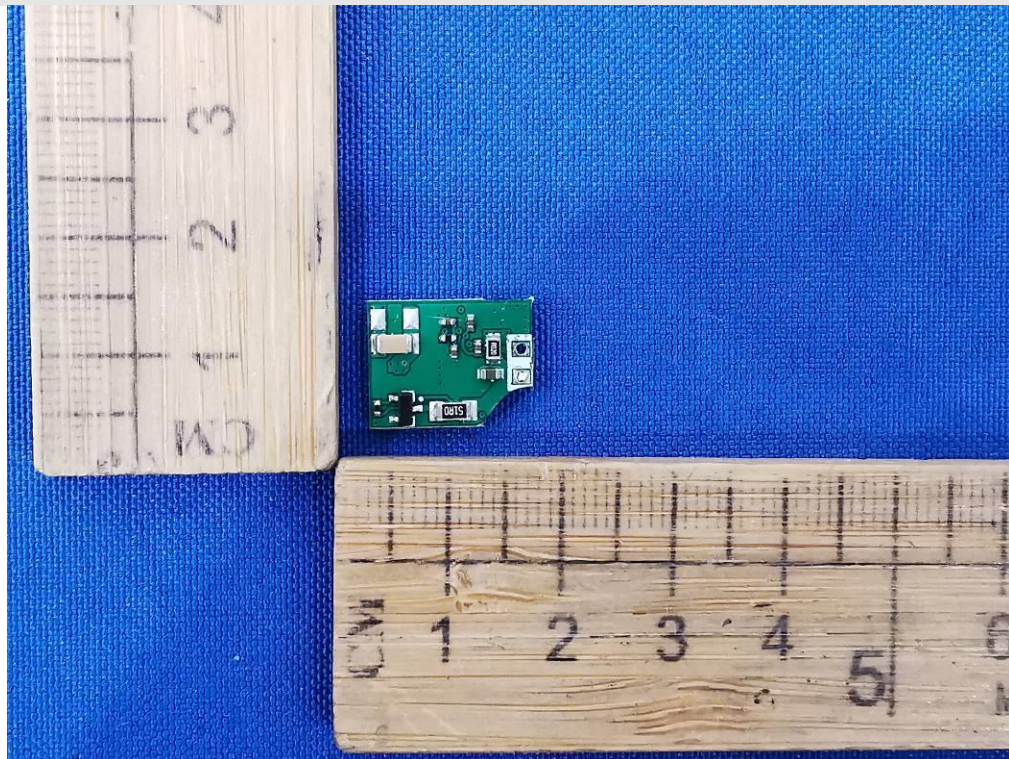
Internal-4**Internal-5**

Internal-6**Internal-7**

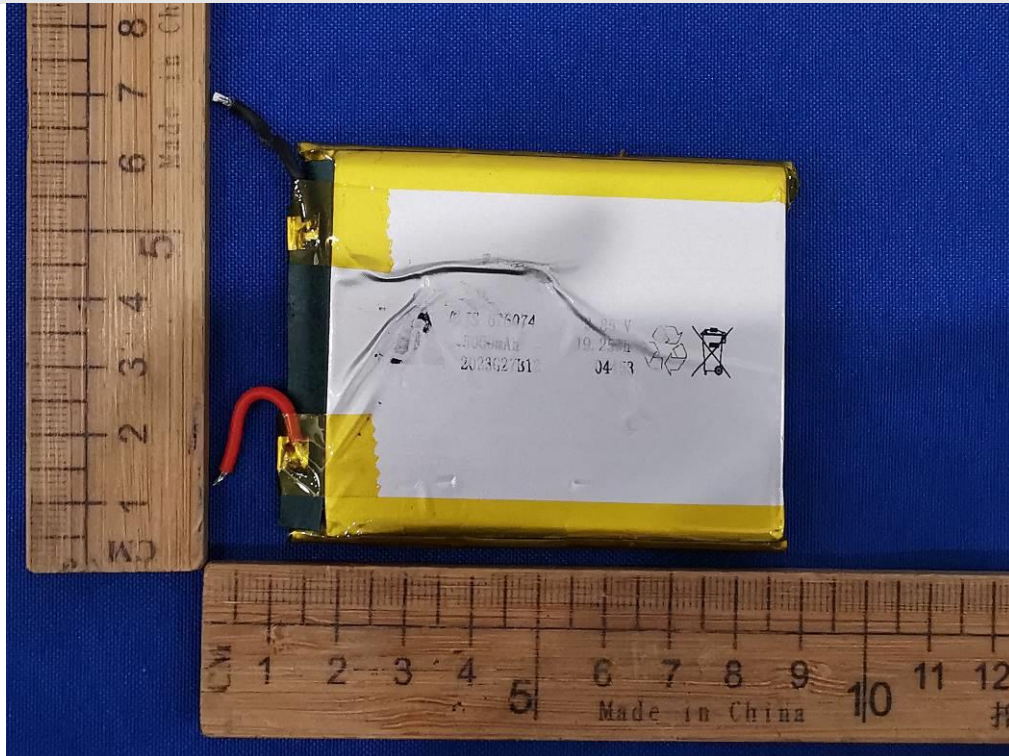
Internal-8



Internal-8



Internal-9



--- END OF REPORT---