



FCC TEST REPORT

FCC ID: 2BPRN-2635-DW30597

On Behalf of

Dongguan Pusou Electronics CO.,Ltd.

Solar power bank

Model No.: 2635-DW30597

Prepared for : Dongguan Pusou Electronics CO.,Ltd.
Address : 3F, building 14, Gate 2, Baigang City, Jinghai West Road, Shatou
Community, ChangAn Town, DongGuan, China

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2603234-C01-R05
Date of Receipt : March 31, 2026
Date of Test : March 31, 2026 – April 13, 2026
Date of Report : April 13, 2026
Version Number : V0

TABLE OF CONTENTS

	Description	Page
1.	Test Result Summary	5
2.	EUT Description	6
2.1.	DESCRIPTION OF DEVICE (EUT)	6
2.2.	ACCESSORIES OF DEVICE (EUT)	7
2.3.	TESTED SUPPORTING SYSTEM DETAILS	7
2.4.	BLOCK DIAGRAM OF CONNECTION BETWEEN EUT AND SIMULATORS	7
2.5.	DESCRIPTION OF TEST MODES	8
2.6.	TEST CONDITIONS	8
2.7.	TEST FACILITY	9
2.8.	MEASUREMENT UNCERTAINTY	9
3.	Test Results and Measurement Data	10
3.1.	RF EXPOSURE TEST	10
4.	Photos of test setup	18

TEST REPORT DECLARATION

Applicant : Dongguan Pusou Electronics CO.,Ltd.
Address : 3F, building 14, Gate 2, Baigang City, Jinghai West Road, Shatou Community,
ChangAn Town, DongGuan, China
Manufacturer : Dongguan Pusou Electronics CO.,Ltd.
Address : 3F, building 14, Gate 2, Baigang City, Jinghai West Road, Shatou Community,
ChangAn Town, DongGuan, China
EUT Description : Solar power bank
(A) Model No. : 2635-DW30597
(B) Trademark : N/A

Measurement Standard Used:

FCC CFR 47 PART 1, FCC CFR 47 part1, 1.1307(b), 1.1310, 2.1093

KDB 680106 D01 Wireless Power Transfer v04

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing 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 test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness test. Also, this report shows that the EUT is technically compliant with the KDB 680106 D01 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Jensen Wang
Test Engineer

Jensen Wang

Approved by (name + signature).....: Simple Guan
Project Manager

Simple Guan

Date of issue.....: April 13, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	April 13, 2026	Initial released Issue	Jensen Wang

1. Test Result Summary

Requirement	CFR 47 Section	Result
RF EXPOSURE	§1.1307(b)(1), §1.1310, §2.1093 & KDB680106 D01	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.
5. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

2. EUT Description

2.1. Description of Device (EUT)

EUT Name : Solar power bank
Model No. : 2635-DW30597
DIFF. : N/A
Power supply : Micro USB input: DC 5V 2A(MAX);
Type C input: DC 5V 2A(MAX);
USB output: DC 5V 2A(MAX)
Wireless output: 5W
Battery Capacity:3.7V,5000mAh(18.5Wh)

Radio Technology : Wireless power transmission systems

Operation frequency : WPT(Phone): 115-205KHz

Modulation : MSK

Antenna Type : Coil Antenna

Software version : V1.0

Hardware version : V1.0

Note : 1. Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.
2. When the product is only used for wireless magnetic charging of mobile phones, it is in a portable state.

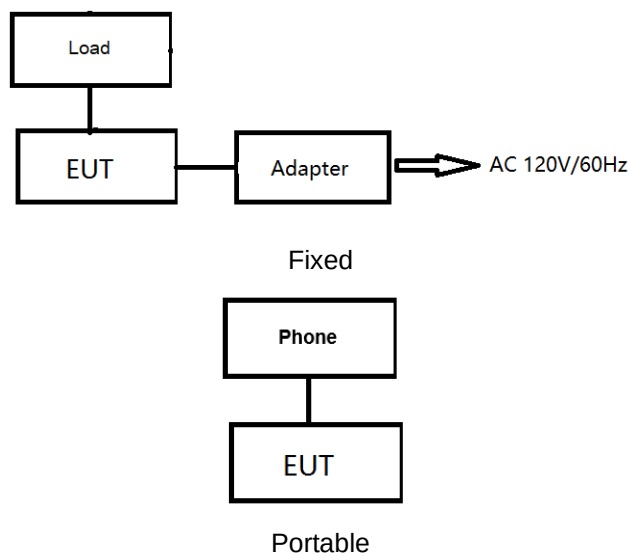
2.2. Accessories of Device (EUT)

Accessories	:	N/A
Manufacturer	:	N/A
Model	:	N/A
specifications	:	N/A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1	Load	N/A	N/A	N/A	N/A
2	USB cable	UGREEN	1M	N/A	N/A
3	mobile phones	XIAOMI	XIAOMI 15	N/A	N/A
4	Adapter	Baseus	CCXFK65CC	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

Requirements of KDB 680106 D01	Yes/No	Description
Mobile Device and Portable Device Configurations	Yes	Portable Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range 115KHz~205kHz and 360kHz

2.6. Description of Test Modes

Fixed type:

Mode	Test mode description
※1	Charging + Wireless Output(Phone): 5W
2	Wireless Output(Phone): 5W

Note: The client operating modes have been tested and only display data for the worst-case scenario Mode 1 of the client battery status.

Portable type:

Mode	Test mode description
※1	Phone charging port (Battery Status:≤1%)
2	Phone charging port (Battery Status:50%)
3	Phone charging port (Battery Status:≥98%)
4	No Load

Note: The client operating modes (client battery status 1%, 50%, 99%) have been tested and only display data for the worst-case scenario Mode 1 of the client battery status.

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35°C	26°C
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

2.9. Measurement Uncertainty

(95% confidence levels, $k=2$)

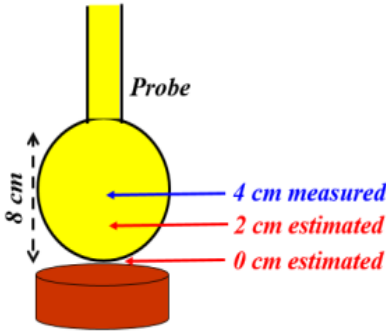
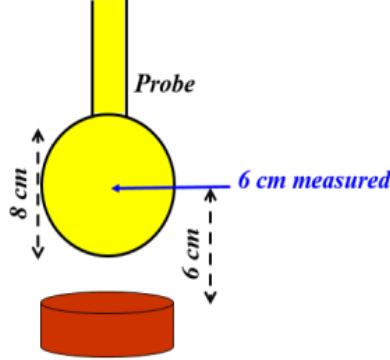
Item	Uncertainty
Uncertainty for H-Field	2.39dB
Uncertainty for E-Field	2.45dB
Uncertainty for conducted RF Power	0.65dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

3. Test Results and Measurement Data

3.1. RF EXPOSURE TEST

3.1.1. Test Specification

Test Requirement:	FCC Rules and Regulations KDB680106																																																																	
Test Method:	According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.																																																																	
Limits:	According to the item 3 of KDB 680106 D01v04: Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation. (1) Mobile Device and Portable Device Configurations (2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz (3) The aggregate H-field strengths anywhere at (0/2/4/6/8/10/12/14/16/18/20cm) surrounding the device six surfaces. The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b) Limits for Maximum Permissible Exposure (MPE) <table><tr><th>Frequency range (MHz)</th><th>Electric field strength (V/m)</th><th>Magnetic field strength (A/m)</th><th>Power density (mW/cm²)</th><th>Averaging time (minutes)</th></tr><tr><td colspan="5">(A) Limits for Occupational/Controlled Exposures</td></tr><tr><td>0.3-3.0</td><td>614</td><td>1.63</td><td>*(100)</td><td>6</td></tr><tr><td>3.0-30</td><td>1842/f</td><td>4.89/f</td><td>*(900/f²)</td><td>6</td></tr><tr><td>30-300</td><td>61.4</td><td>0.163</td><td>1.0</td><td>6</td></tr><tr><td>300-1500</td><td>/</td><td>/</td><td>f/300</td><td>6</td></tr><tr><td>1500-100,000</td><td>/</td><td>/</td><td>5</td><td>6</td></tr><tr><td colspan="5">(B) Limits for General Population/Uncontrolled Exposure</td></tr><tr><td>0.3-1.34</td><td>614</td><td>1.63</td><td>*(100)</td><td>30</td></tr><tr><td>1.34-30</td><td>824/f</td><td>2.19/f</td><td>*(180/f²)</td><td>30</td></tr><tr><td>30-300</td><td>27.5</td><td>0.073</td><td>0.2</td><td>30</td></tr><tr><td>300-1500</td><td>/</td><td>/</td><td>f/1500</td><td>30</td></tr><tr><td>1500-100,000</td><td>/</td><td>/</td><td>1.0</td><td>30</td></tr></table> F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).	Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)	(A) Limits for Occupational/Controlled Exposures					0.3-3.0	614	1.63	*(100)	6	3.0-30	1842/f	4.89/f	*(900/f ²)	6	30-300	61.4	0.163	1.0	6	300-1500	/	/	f/300	6	1500-100,000	/	/	5	6	(B) Limits for General Population/Uncontrolled Exposure					0.3-1.34	614	1.63	*(100)	30	1.34-30	824/f	2.19/f	*(180/f ²)	30	30-300	27.5	0.073	0.2	30	300-1500	/	/	f/1500	30	1500-100,000	/	/	1.0	30
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)																																																														
(A) Limits for Occupational/Controlled Exposures																																																																		
0.3-3.0	614	1.63	*(100)	6																																																														
3.0-30	1842/f	4.89/f	*(900/f ²)	6																																																														
30-300	61.4	0.163	1.0	6																																																														
300-1500	/	/	f/300	6																																																														
1500-100,000	/	/	5	6																																																														
(B) Limits for General Population/Uncontrolled Exposure																																																																		
0.3-1.34	614	1.63	*(100)	30																																																														
1.34-30	824/f	2.19/f	*(180/f ²)	30																																																														
30-300	27.5	0.073	0.2	30																																																														
300-1500	/	/	f/1500	30																																																														
1500-100,000	/	/	1.0	30																																																														
Test Setup:																																																																		

	Figure 1  Figure 2 
Test Mode:	Communication Mode (Mobile phone will be charged at zero charge, intermediate charge, and full charge.)
Test Procedure:	1) The RF exposure test was performed in anechoic chamber. 2) The measurement probe was placed at test distance (0/2/4/6/8/10/12/14/16/18/20cm) which is between the edge of the charger and the geometric center of probe. 3) The highest emission level was recorded and compared with limit as soon as measurement of each point (A, B, C, D, E, F) were completed. 4) The EUT was measured according to the dictates of KDB 680106 D01v04. 5) Large size probes may prevent the measurement of E- and/or H-fields near the surface of the radiating structure (e.g., a WPT source coil), as in the example shown in Figure 2. These estimates shall include points spaced no more than 2 cm from each other. Thus, in the example of Figure 2, at least the estimates at 0 cm and 2 cm are required, while only one point would not be sufficient. In addition, the model needs to be validated through the probe measurements for the two closest points to the device surface, and with 2-cm increments, as indicated in Figure 2. In that example, the same model must also be applied to the 4 cm and 6 cm positions, and then compared with the measured data, for validation purposes. The validation is considered sufficient if a 30% agreement between the model and the (E- and/or H-field) probe measurements is demonstrated. If such a level of agreement cannot be shown, a more accurate model (and/or a smaller probe) shall be used.
Test Result:	PASS

3.1.2. Test Instruments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Exposure Level Tester	narda	ELT-400	O-0729	2025.05.22	1 Year
2	Magnetic field probe 100cm2	narda	ELT probe 100cm2	M-2116	2025.05.22	1 Year

Note: The probe radius is 8 cm

3.1.3. Test data

Portable type: Phone Magnet Wireless=15W

The probe radius is 8 cm.

E-Field Strength at 8/10/12/14/16/18/20cm from the edges surrounding the EUT

Charging Battery Level	Measured Distance (cm)	Measured E-Field Strength Values (V/m)						FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	8	16.408	18.965	18.988	23.435	24.850	24.131	614
50%	8	17.558	19.390	19.833	23.825	25.797	24.851	614
1%	8	18.169	20.005	20.334	24.175	27.125	26.169	614
99%	10	14.873	16.931	17.205	20.680	22.094	21.383	614
50%	10	16.256	17.283	17.661	21.243	23.474	22.290	614
1%	10	16.738	18.020	18.507	21.791	24.691	23.287	614
99%	12	13.863	15.374	15.807	18.288	19.458	18.538	614
50%	12	14.729	15.830	16.371	18.778	20.752	19.681	614
1%	12	15.387	16.233	16.728	19.562	21.907	20.705	614
99%	14	12.235	13.612	14.008	16.098	16.978	16.140	614
50%	14	13.389	13.966	14.279	16.546	17.768	17.158	614
1%	14	13.727	14.416	15.337	17.168	19.132	18.053	614
99%	16	10.979	11.509	12.001	13.419	13.898	13.696	614
50%	16	11.665	12.189	12.707	13.850	15.253	14.589	614
1%	16	12.403	12.800	13.475	14.520	16.300	15.325	614
99%	18	9.547	9.839	10.596	11.049	11.445	10.829	614
50%	18	10.277	10.344	10.986	11.404	12.116	11.829	614
1%	18	11.078	11.151	11.755	12.029	13.842	12.682	614
99%	20	7.943	8.232	8.931	8.474	8.573	8.202	614
50%	20	8.955	8.492	9.231	9.233	9.506	9.221	614
1%	20	9.877	9.390	9.866	9.441	10.889	9.911	614

Note: V/m= A/m *377

H-Field Strength at 8/10/12/14/16/18/20cm from the edges surrounding the EUT

Charging Battery Level	Measured Distance (cm)	Unit	Measured H-Field Strength Values (A/m)						FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	8	uT	0.209	0.163	0.113	0.274	0.253	0.048	--
99%	8	A/m	0.083	0.217	0.186	0.230	0.309	0.208	1.63
50%	8	uT	0.001	0.276	0.081	0.123	0.120	0.142	--
50%	8	A/m	0.205	0.018	0.261	0.028	0.101	0.014	1.63
1%	8	uT	0.159	0.169	0.188	0.291	0.284	0.238	--
1%	8	A/m	0.292	0.076	0.137	0.173	0.157	0.269	1.63
99%	10	uT	0.011	0.188	0.081	0.067	0.280	0.172	--
99%	10	A/m	0.145	0.159	0.008	0.115	0.211	0.034	1.63
50%	10	uT	0.140	0.043	0.092	0.160	0.202	0.151	--
50%	10	A/m	0.139	0.056	0.053	0.271	0.240	0.192	1.63
1%	10	uT	0.233	0.168	0.175	0.219	0.006	0.229	--
1%	10	A/m	0.082	0.178	0.083	0.303	0.039	0.253	1.63
99%	12	uT	0.080	0.221	0.173	0.301	0.023	0.129	--
99%	12	A/m	0.209	0.136	0.211	0.095	0.193	0.046	1.63
50%	12	uT	0.132	0.194	0.141	0.153	0.235	0.181	--
50%	12	A/m	0.121	0.271	0.245	0.102	0.012	0.250	1.63
1%	12	uT	0.132	0.232	0.289	0.033	0.126	0.142	--
1%	12	A/m	0.023	0.081	0.047	0.177	0.278	0.131	1.63
99%	14	uT	0.232	0.218	0.019	0.190	0.078	0.057	--
99%	14	A/m	0.195	0.035	0.214	0.033	0.230	0.073	1.63
50%	14	uT	0.138	0.133	0.111	0.004	0.062	0.186	--
50%	14	A/m	0.004	0.193	0.195	0.206	0.193	0.021	1.63
1%	14	uT	0.147	0.187	0.094	0.053	0.075	0.093	--
1%	14	A/m	0.203	0.023	0.112	0.123	0.235	0.260	1.63
99%	16	uT	0.024	0.199	0.122	0.114	0.087	0.061	--
99%	16	A/m	0.024	0.089	0.017	0.179	0.171	0.039	1.63
50%	16	uT	0.004	0.057	0.039	0.104	0.138	0.047	--
50%	16	A/m	0.209	0.183	0.183	0.042	0.208	0.196	1.63
1%	16	uT	0.191	0.251	0.196	0.076	0.071	0.175	--
1%	16	A/m	0.154	0.092	0.088	0.096	0.124	0.099	1.63
99%	18	uT	0.028	0.154	0.083	0.027	0.205	0.055	--
99%	18	A/m	0.090	0.096	0.220	0.171	0.226	0.082	1.63
50%	18	uT	0.212	0.065	0.102	0.141	0.129	0.126	--
50%	18	A/m	0.163	0.150	0.043	0.172	0.033	0.092	1.63
1%	18	uT	0.255	0.181	0.096	0.109	0.215	0.131	--
1%	18	A/m	0.142	0.116	0.034	0.143	0.008	0.212	1.63
99%	20	uT	0.143	0.126	0.043	0.119	0.145	0.161	--
99%	20	A/m	0.190	0.018	0.101	0.170	0.089	0.033	1.63
50%	20	uT	0.101	0.248	0.065	0.189	0.179	0.052	--
50%	20	A/m	0.180	0.181	0.087	0.182	0.156	0.118	1.63

1%	20	uT	0.115	0.133	0.182	0.032	0.005	0.212	--
1%	20	A/m	0.159	0.148	0.097	0.144	0.106	0.186	1.63

Note: $A/m = uT/1.25$

According to the formula:

The formula for the magnetic field strength at a distance r from the coil is

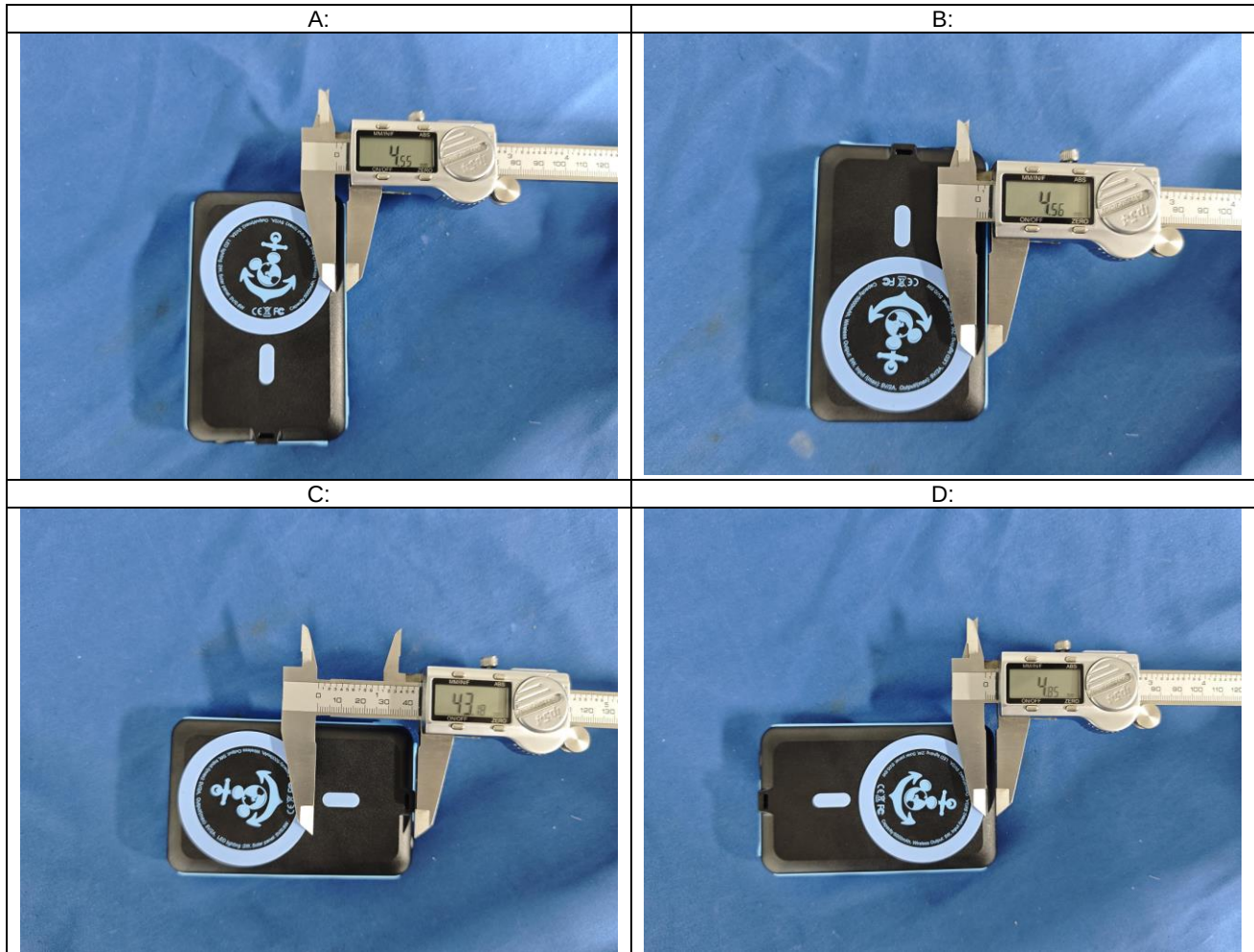
$$H = I/(2\pi r) \cdot \mu$$

H is A/m

I is the current intensity

μ is the permeability, and its value depends on the medium.

The other parameters are fixed, so H is inversely proportional to r .



ABCDEF direction The actual distance(r) to the antenna coil.

measured distance(cm)	Actual distance r to the antenna (cm)					
	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F
20	24.622	24.792	21.322	21.275	21.061	23.125
18	22.914	22.871	19.274	19.302	18.780	21.019
16	20.928	20.846	16.962	17.228	16.742	18.863
14	18.805	18.989	15.342	15.077	14.698	16.680
12	16.597	16.686	13.143	13.103	12.734	15.114
10	14.883	15.017	11.049	11.280	10.917	13.087
8	12.658	12.642	9.032	8.963	8.678	10.737
6	10.826	10.799	7.106	7.129	6.937	8.817
4	8.606	8.812	5.153	5.255	4.890	6.737
2	6.956	7.045	2.929	3.081	2.794	4.962
0	4.917	4.893	1.174	1.271	0.840	3.001

Note: The phone is 8.35mm thick.

The result is calculated by the above formula:

H-Field Strength at 0/2/4/6cm from the edges surrounding the EUT

Charging Battery Level	Measured Distance (cm)	Unit	Measured H-Field Strength Values (A/m)						FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
1%	0	A/m	0.282	0.757	0.922	0.386	1.258	1.256	1.63
50%	0	A/m	0.336	0.712	0.700	0.537	1.052	1.133	1.63
99%	0	A/m	0.327	0.497	0.791	0.387	0.771	0.735	1.63
1%	2	A/m	0.121	0.490	0.318	0.095	0.283	0.253	1.63
50%	2	A/m	0.231	0.413	0.355	0.220	0.435	0.325	1.63
99%	2	A/m	0.318	0.372	0.417	0.216	0.289	0.303	1.63
1%	4	A/m	0.257	0.253	0.442	0.323	0.370	0.218	1.63
50%	4	A/m	0.331	0.347	0.280	0.215	0.231	0.094	1.63
99%	4	A/m	0.241	0.266	0.277	0.240	0.346	0.293	1.63
1%	6	A/m	0.094	0.209	0.288	0.292	0.203	0.179	1.63
50%	6	A/m	0.192	0.304	0.239	0.078	0.327	0.097	1.63
99%	6	A/m	0.167	0.164	0.156	0.122	0.163	0.219	1.63

Fixed type: Phone Wireless(Out) = 5W:

E-Field Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (V/m)
0.115-0.205	3.96	4.61	4.17	4.75	3.92	614

H-Filed Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (A/m)
0.115-0.205	0.41	0.30	0.17	0.48	0.27	1.63
uT	0.51	0.37	0.22	0.60	0.33	/

Note: uT to A/m: $A/m = uT/1.25$ **3.1.4. Conclusion****Portable type:**

A minimum safety distance of 0 cm to the antenna is required when the device is charging a smart phone for mobile exposure. The detected emissions are below the limitations according FCC KDB 680106.

The model was established with a 30% agreement, so it was considered to be approved.

Fixed type:

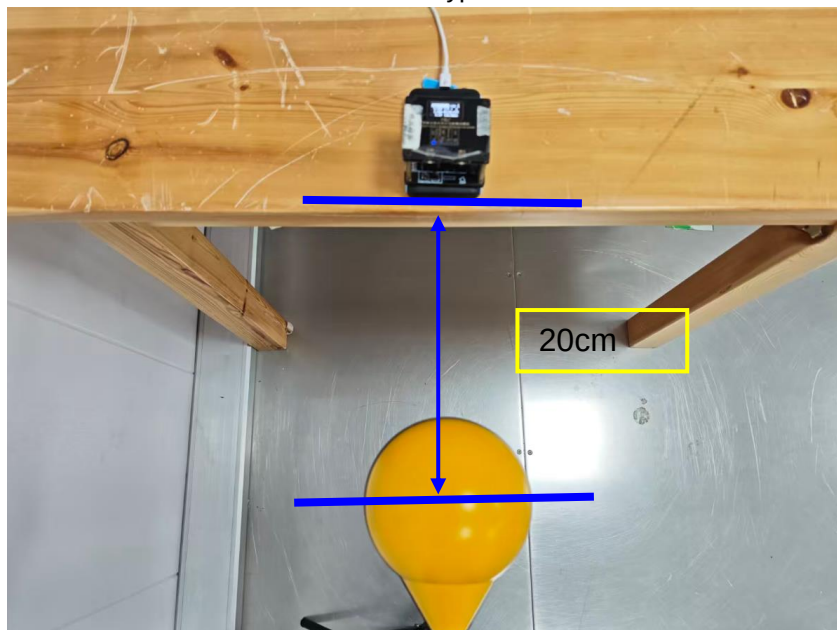
The detected emissions are below the limitations according FCC KDB 680106. The E-field and H-field strengths at 10 cm surrounding the device from all simultaneous transmitting coils are demonstrated to be less than 30% of the MPE limit.

4. Photos of test setup

Portable type



Fixed type



-----END OF REPORT-----