



FCC TEST REPORT

FCC ID: 2BODY-3N160K-A

On Behalf of

Shenzhen Firststar Battery Co., Limited

Power bank

Model No.: 3N160K-A, 3N160K-B, 3N160K-C,
3N160K-D, 3N160K-E, 3N160K-F, 3N160K-G,
3N160W-A, 3N160W-B, 3N160W-C, 3N160W-D,
3N160W-E, 3N160W-F, 3N160W-G

Prepared for : Shenzhen Firststar Battery Co., Limited
Address : No.A2 Building, Fuzhong Industrial Park, Fuzhong Rd, Fuyong Town, Bao'an District, Shenzhen, 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 : psi2503095-C01-R02
Date of Receipt : March 10, 2025
Date of Test : March 11, 2025-March 21, 2025
Date of Report : March 22, 2025
Version Number : V0

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TEST REPORT DECLARATION

Applicant : Shenzhen Firststar Battery Co., Limited

Address : No.A2 Building, Fuzhong Industrial Park, Fuzhong Rd, Fuyong Town, Bao an District,Shenzhen,China

Manufacturer : Shenzhen Firststar Battery Co., Limited

Address : No.A2 Building, Fuzhong Industrial Park, Fuzhong Rd, Fuyong Town, Bao an District,Shenzhen,China

EUT Description : Power bank

(A) Model No. : 3N160K-A,3N160K-B,3N160K-C,3N160K-D,
3N160K-E,3N160K-F,3N160K-G,3N160W-A,
3N160W-B,3N160W-C,3N160W-D,3N160W-E,
3N160W-F,3N160W-G

(B) Trademark : myCharge

Measurement Standard Used:

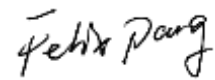
FCC CFR 47 PART 1, FCC CFR 47 part1, 1.1307(b), 1.1310, 2.1093

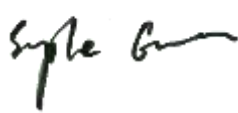
KDB 680106 D01 Wireless Power Transfer v04

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).....: Felix Pang
Test Engineer 

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

Date of issue.....: January 17, 2025

Revision History

Revision	Issue Date	Revisions	Revised By
V0	March 22, 2025	Initial released Issue	Felix Pang

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 : Power bank
Model No. : 3N160K-A, 3N160K-B, 3N160K-C, 3N160K-D, 3N160K-E, 3N160K-F,
3N160K-G, 3N160W-A, 3N160W-B, 3N160W-C, 3N160W-D, 3N160W-E,
3N160W-F, 3N160W-G
DIFF. : The product model name is different, the colors is different, everything else
is the same.
Input: 100-240VAC 50-60Hz 0.2A
USB-C Input: PD20W
Power supply : USB-C Output: PD 20W
Wireless Output: 5W 7.5W 15W
Capacity: 22.8Wh

Radio Technology : Wireless power transmission systems

Operation frequency : 115KHz -205KHz, 329KHz

Modulation : ASK

Antenna Type : Coil Antenna

Connector cable loss : 0dB

Software version : N/A

Hardware version : N/A

Note : Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.

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	Cellphone	Apple	iPhone 15 Pro Max	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

2.6. Description of Test Modes

Mode	Test mode description
1	AC/DC Adapter+Mobile phone output:15W + headset output :5W+ watch output:2W
2	Mobile phone output:15W
3	Mobile phone output:10W
4	Mobile phone output:7.5W
5	Mobile phone output:5W
6	headset output :5W
7	watch output:2W
8	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 2 of the client battery status.

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	26℃
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

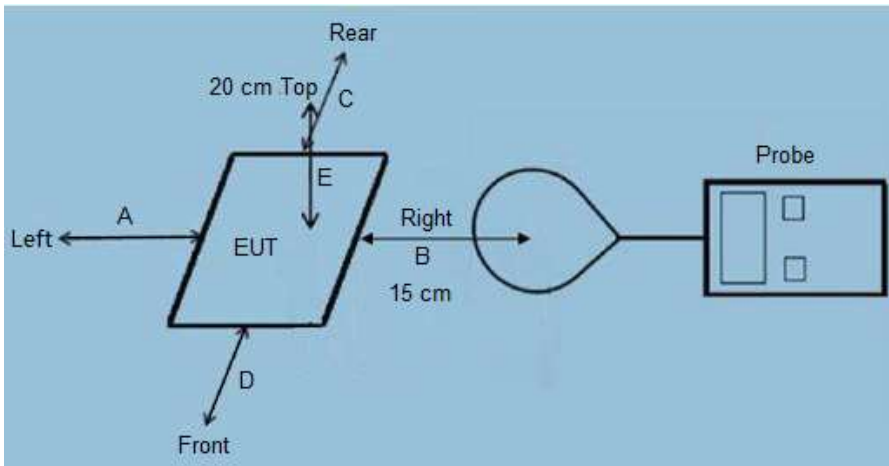
(95% confidence levels, k=2)

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 ℃
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><thead><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></thead><tbody><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></tbody></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
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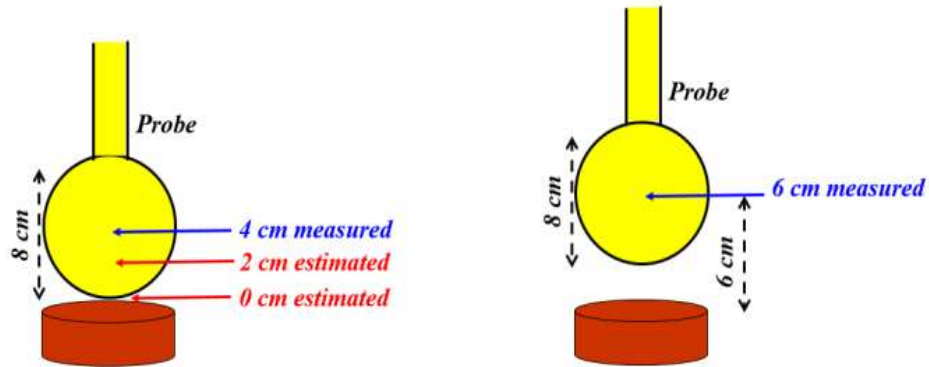


Figure 2

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	2024.05.06	1 Year
2	Magnetic field probe 100cm2	narda	ELT probe 100cm2	M-2116	2024.05.06	1 Year

Note: The probe radius is 8 cm

3.1.3. Test data

The probe radius is 8 cm.

E-Field Strength at 4/6/8/10/12/14/16/18/20cm 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%	4	4.0209	4.5456	4.1344	4.2189	7.2829	6.9444	614
50%	4	3.9102	4.7445	4.3078	4.2478	7.4929	7.1172	614
1%	4	4.2229	4.8782	4.3945	4.2515	7.5892	7.2885	614
99%	6	3.6609	4.4052	3.9505	3.9478	7.1449	6.7778	614
50%	6	3.7839	4.5441	4.1045	3.9945	7.3885	6.9502	614
1%	6	4.01	4.7035	4.2135	4.1145	7.5192	7.1772	614
99%	8	3.515	4.3552	3.8274	3.8274	7.0602	6.6649	614
50%	8	3.7035	4.4683	3.9782	3.9405	7.2864	6.8534	614
1%	8	3.892	4.6191	4.0913	4.0536	7.5126	7.0796	614
99%	10	2.761	3.7143	3.2996	3.2619	6.08	5.7224	614
50%	10	2.9118	3.8651	3.4127	3.375	6.3062	5.9109	614
1%	10	3.0626	3.9782	3.5258	3.4881	6.4947	6.0994	614
99%	12	2.0824	3.2242	2.8472	2.8095	5.2506	4.9307	614
50%	12	2.1955	3.2996	2.9226	2.8849	5.4391	5.0815	614
1%	12	2.3463	3.4127	3.0357	2.998	5.5899	5.2323	614
99%	14	1.4792	2.7718	2.4325	2.4325	4.5343	4.2144	614
50%	14	1.5923	2.8472	2.5079	2.5079	4.6851	4.3652	614
1%	14	1.7054	2.9226	2.5833	2.5833	4.8359	4.516	614
99%	16	0.9891	2.3571	2.0932	2.0932	3.9311	3.6489	614
50%	16	1.0645	2.4325	2.1686	2.1309	4.0442	3.762	614
1%	16	1.1776	2.5079	2.244	2.2063	4.1573	3.8751	614
99%	18	0.5367	2.0178	1.7916	1.7916	3.4033	3.1211	614
50%	18	0.6498	2.0932	1.867	1.8293	3.4787	3.2342	614
1%	18	0.7252	2.1686	1.9047	1.9047	3.5918	3.3096	614
99%	20	0.1597	1.7539	1.5277	1.5277	2.9509	2.6687	614
50%	20	0.2351	1.7916	1.6031	1.5654	3.0263	2.7818	614
1%	20	0.3105	1.867	1.6408	1.5922	3.1017	2.8572	614

Note: $V/m = A/m \times 377$

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%	4	uT	0.0297	0.0253	0.0202	0.0239	0.0358	0.0347	--
99%	4	A/m	0.0238	0.0202	0.0162	0.0191	0.0319	0.0277	1.63
50%	4	uT	0.0335	0.0246	0.0208	0.0231	0.0358	0.0379	--
50%	4	A/m	0.0269	0.0197	0.0167	0.0185	0.0352	0.0303	1.63
1%	4	uT	0.0361	0.0284	0.0241	0.0228	0.0332	0.0342	--
1%	4	A/m	0.0289	0.0227	0.0193	0.0183	0.0312	0.0274	1.63
99%	6	uT	0.0239	0.0207	0.0165	0.0160	0.0328	0.0292	--
99%	6	A/m	0.0191	0.0165	0.0131	0.0127	0.0262	0.0233	1.63
50%	6	uT	0.0239	0.0210	0.0165	0.0168	0.0325	0.0322	--
50%	6	A/m	0.0191	0.0167	0.0131	0.0135	0.0260	0.0257	1.63
1%	6	uT	0.0234	0.0210	0.0182	0.0200	0.0303	0.0292	--
1%	6	A/m	0.0188	0.0167	0.0146	0.0160	0.0242	0.0233	1.63
99%	8	uT	0.0206	0.0154	0.0125	0.0138	0.0253	0.0241	--
99%	8	A/m	0.0165	0.0123	0.0100	0.0110	0.0202	0.0193	1.63
50%	8	uT	0.0214	0.0158	0.0130	0.0141	0.0262	0.0249	--
50%	8	A/m	0.0171	0.0126	0.0104	0.0113	0.0209	0.0198	1.63
1%	8	uT	0.0221	0.0163	0.0133	0.0146	0.0270	0.0256	--
1%	8	A/m	0.0176	0.0130	0.0107	0.0117	0.0216	0.0205	1.63
99%	10	uT	0.0179	0.0131	0.0108	0.0118	0.0218	0.0207	--
99%	10	A/m	0.0143	0.0105	0.0086	0.0094	0.0174	0.0166	1.63
50%	10	uT	0.0184	0.0137	0.0112	0.0122	0.0226	0.0214	--
50%	10	A/m	0.0148	0.0109	0.0089	0.0097	0.0180	0.0171	1.63
1%	10	uT	0.0190	0.0141	0.0116	0.0125	0.0232	0.0221	--
1%	10	A/m	0.0152	0.0112	0.0092	0.0100	0.0186	0.0177	1.63
99%	12	uT	0.0154	0.0114	0.0093	0.0102	0.0187	0.0179	--
99%	12	A/m	0.0123	0.0091	0.0074	0.0081	0.0150	0.0143	1.63
50%	12	uT	0.0159	0.0117	0.0096	0.0104	0.0194	0.0184	--
50%	12	A/m	0.0127	0.0093	0.0076	0.0083	0.0155	0.0147	1.63
1%	12	uT	0.0164	0.0121	0.0099	0.0108	0.0199	0.0190	--
1%	12	A/m	0.0131	0.0096	0.0079	0.0086	0.0160	0.0152	1.63
99%	14	uT	0.0132	0.0099	0.0079	0.0087	0.0161	0.0153	--
99%	14	A/m	0.0105	0.0078	0.0064	0.0070	0.0129	0.0122	1.63
50%	14	uT	0.0137	0.0101	0.0082	0.0091	0.0166	0.0158	--
50%	14	A/m	0.0109	0.0081	0.0066	0.0072	0.0133	0.0126	1.63
1%	14	uT	0.0140	0.0104	0.0084	0.0093	0.0172	0.0164	--
1%	14	A/m	0.0112	0.0083	0.0068	0.0075	0.0138	0.0131	1.63
99%	16	uT	0.0114	0.0084	0.0069	0.0076	0.0139	0.0132	--
99%	16	A/m	0.0091	0.0067	0.0055	0.0060	0.0111	0.0106	1.63
50%	16	uT	0.0117	0.0086	0.0072	0.0077	0.0143	0.0136	--
50%	16	A/m	0.0093	0.0069	0.0057	0.0062	0.0114	0.0109	1.63

1%	16	uT	0.0121	0.0089	0.0074	0.0080	0.0147	0.0141	--
1%	16	A/m	0.0097	0.0071	0.0059	0.0064	0.0118	0.0112	1.63
99%	18	uT	0.0098	0.0072	0.0059	0.0065	0.0120	0.0113	--
99%	18	A/m	0.0078	0.0057	0.0047	0.0052	0.0096	0.0090	1.63
50%	18	uT	0.0101	0.0074	0.0062	0.0066	0.0122	0.0118	--
50%	18	A/m	0.0081	0.0059	0.0049	0.0053	0.0098	0.0094	1.63
1%	18	uT	0.0104	0.0077	0.0063	0.0069	0.0127	0.0120	--
1%	18	A/m	0.0083	0.0061	0.0050	0.0055	0.0101	0.0096	1.63
99%	20	uT	0.0083	0.0063	0.0050	0.0055	0.0103	0.0097	--
99%	20	A/m	0.0067	0.0050	0.0040	0.0044	0.0083	0.0077	1.63
50%	20	uT	0.0087	0.0064	0.0053	0.0057	0.0106	0.0101	--
50%	20	A/m	0.0069	0.0051	0.0042	0.0045	0.0085	0.0081	1.63
1%	20	uT	0.0089	0.0067	0.0054	0.0059	0.0109	0.0104	--
1%	20	A/m	0.0071	0.0053	0.0043	0.0048	0.0087	0.0083	1.63

Note: $A/m = uT/1.25$

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 .

Therefore, From the measurement H_8 we can estimate the values of H_6, H_4, H_2, H_0 :

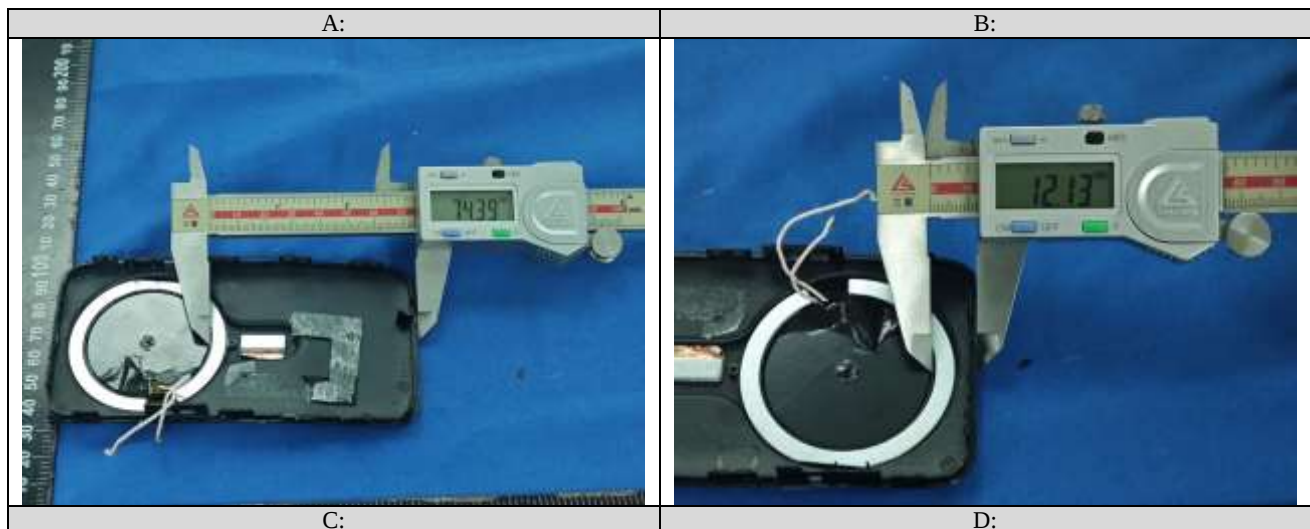
$$H_6 = H_8 \cdot r_8 / r_6$$

$$H_4 = H_8 \cdot r_8 / r_4$$

$$H_2 = H_8 \cdot r_8 / r_2$$

$$H_0 = H_8 \cdot r_8 / r_0$$

The values of " r " are shown in the following table:





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	27.439	21.213	21.228	21.201	20.835	22.494
18	25.439	19.213	19.228	19.201	18.835	20.494
16	23.439	17.213	17.228	17.201	16.835	18.494
14	21.439	15.213	15.228	15.201	14.835	16.494
12	19.439	13.213	13.228	13.201	12.835	14.494
10	17.439	11.213	11.228	11.201	10.835	12.494
8	15.439	9.213	9.228	9.201	8.835	10.494
6	13.439	7.213	7.228	7.201	6.835	8.494
4	11.439	5.213	5.228	5.201	4.835	6.494
2	9.439	3.213	3.228	3.201	2.835	4.494
0	7.439	1.213	1.228	1.201	0.835	2.494

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	
99%	0	A/m	0.0342	0.0934	0.0751	0.0843	0.2137	0.0812	1.63
50%	0	A/m	0.0355	0.0957	0.0782	0.0866	0.2211	0.0833	1.63
1%	0	A/m	0.0365	0.0987	0.0804	0.0896	0.2285	0.0863	1.63
99%	2	A/m	0.0270	0.0353	0.0286	0.0316	0.0630	0.0451	1.63
50%	2	A/m	0.0280	0.0361	0.0297	0.0325	0.0651	0.0462	1.63
1%	2	A/m	0.0288	0.0373	0.0306	0.0336	0.0673	0.0479	1.63
99%	4	A/m	0.0223	0.0217	0.0177	0.0195	0.0369	0.0312	1.63
50%	4	A/m	0.0231	0.0223	0.0184	0.0200	0.0382	0.0320	1.63
1%	4	A/m	0.0238	0.0230	0.0189	0.0207	0.0395	0.0243	1.63
99%	6	A/m	0.0190	0.0157	0.0128	0.0141	0.0261	0.0238	1.63
50%	6	A/m	0.0196	0.0161	0.0133	0.0144	0.0270	0.0245	1.63
1%	6	A/m	0.0202	0.0166	0.0137	0.0149	0.0279	0.0253	1.63

We compare the test value of 6cm with the estimated value:

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%	4	A/m	0.0238	0.0202	0.0162	0.0191	0.0319	0.0277	1.63
50%	4	A/m	0.0269	0.0197	0.0167	0.0185	0.0352	0.0303	1.63
1%	4	A/m	0.0289	0.0227	0.0193	0.0183	0.0312	0.0274	1.63
99%	6	A/m	0.0191	0.0165	0.0131	0.0127	0.0262	0.0233	1.63
50%	6	A/m	0.0191	0.0167	0.0131	0.0135	0.026	0.0257	1.63
1%	6	A/m	0.0188	0.0167	0.0146	0.016	0.0242	0.0233	1.63

Charging Battery Level	Measured Distance (cm)	Unit	Estimated 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%	4	A/m	0.0223	0.0217	0.0177	0.0195	0.0369	0.0312	1.63
50%	4	A/m	0.0231	0.0223	0.0184	0.0200	0.0382	0.0320	1.63
1%	4	A/m	0.0238	0.0230	0.0189	0.0207	0.0395	0.0243	1.63
99%	6	A/m	0.0190	0.0157	0.0128	0.0141	0.0261	0.0238	1.63
50%	6	A/m	0.0196	0.0161	0.0133	0.0144	0.0270	0.0245	1.63
1%	6	A/m	0.0202	0.0166	0.0137	0.0149	0.0279	0.0253	1.63

The corresponding deviation value is calculated

Charging Battery Level	Measured Distance (cm)	Unit	Deviation value						Limits (A/m)	Result
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
99%	4	A/m	-6.30%	7.43%	9.26%	2.09%	15.67%	12.64%	30%	Pass
50%	4	A/m	-14.13%	13.20%	10.18%	8.11%	8.52%	5.61%	30%	Pass
1%	4	A/m	-17.65%	1.32%	-2.07%	13.11%	26.60%	-11.31%	30%	Pass
99%	6	A/m	-0.52%	-4.85%	-2.29%	11.02%	-0.38%	2.15%	30%	Pass
50%	6	A/m	2.62%	-3.59%	1.53%	6.67%	3.85%	-4.67%	30%	Pass
1%	6	A/m	7.45%	-0.60%	-6.16%	-6.88%	15.29%	8.58%	30%	Pass

Note: Deviation value=(Hest-Hmea)/Hmea

3.1.4. Conclusion

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.

The estimated test distances of 2cm and 0cm are reliable

4. Photos of test setup



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