

Health Test Report

For

Applicant name: Shenzhen PinYoumai Electronic commerce co., Ltd
Address: Rm. 917, Unit H, Bldg. 2, Yuanjing Garden, Ailian Cmty., Longcheng St., Longgang Dist., Shenzhen City, Guangdong Province, China
EUT name: Magnetic Power Bank
Brand name: Nocapvalue
Model number: F15
Series model number: Refer to section 2
FCC ID: 2BUK6-F15

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Report number: BTF260119R00502
Test standards: 47 CFR Part 1 Subpart I Section 1.1310
Test conclusion: Pass
Date of sample receipt: 2026-01-20
Test date: 2026-01-20 to 2026-01-30
Date of issue: 2026-03-18

Prepared by: Chris Liu
Chris.Liu /Project engineer

Approved by: Ryan.GJ /EMC manager



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Revision History		
Version	Issue date	Revisions content
R_V0	2026-03-18	Original

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1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Description:	All measurement facilities used to collect the measurement data are located at Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 695374.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.
- (7) All entrusted information in this report is provided by the client and has been confirmed through consultation with the client; The testing items for this report have been discussed and confirmed with the client, and our company is only responsible for the content reflected in the report.

2 Product Information

2.1 Application Information

Company name:	Shenzhen PinYoumai Electronic commerce co., Ltd
Address:	Rm. 917, Unit H, Bldg. 2, Yuanjing Garden, Ailian Cmty., Longcheng St., Longgang Dist., Shenzhen City, Guangdong Province, China

2.2 Manufacturer Information

Company name:	Shenzhen PinYoumai Electronic commerce co., Ltd
Address:	Rm. 917, Unit H, Bldg. 2, Yuanjing Garden, Ailian Cmty., Longcheng St., Longgang Dist., Shenzhen City, Guangdong Province, China

2.3 Factory Information

Company name:	Shenzhen HKC Technology Co., Ltd
Address:	Huakecheng Smart Manufacturing Park No. 28, Shahu Avenue Tangxia Town, Dongguan City

2.4 General Description of Equipment under Test (EUT)

EUT name	Magnetic Power Bank
Under test model name	F15
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Rating:	Total Power Output: 20W(Max) Battery Capacity: 10000mAh(3.85V $\approx$ 38.5Wh) Rated Capacity: 6000mAh(5V $\approx$ 3A) Power conversion Rate: $\geq$ 60%(5V $\approx$ 3A) Type-C Input: 5V $\approx$ 3A/9V $\approx$ 2A Wireless Output: 2.5W/5W/7.5W/10W/15W Type-C Output: 5V $\approx$ 3A/9V $\approx$ 2.22A/12V $\approx$ 1.67A

2.5 Technical Information

Operation frequency:	148.5kHz ~ 360kHz
Modulation technology:	ASK
Antenna type:	Coil Antenna

3 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Electric and Magnetic Field Analyzer	Narda	EHP-200A	180ZX11001	2025/11/21	2026/11/20

4 Applied Reference Documents

Identity	Document Title
47 CFR Part 1 Subpart I Section 1.1310	Radiofrequency radiation exposure limits.

5 Test Auxiliary Equipment

Description	Manufacturer	Model	Serial No.	Length	Description
Phone	HONOR	PGT-AN10	/	/	/

6 Test Requirement

KDB 680106 D01 RF Exposure Wireless Charging App v04

According to the item KDB 680106 D01 Wireless Power Transfer v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

a) Power transfer frequency is less than 1 MHz.

Yes, the device operate in the frequency range from 148.5-360KHz

b) Output power from each primary coil is less than or equal to 15 watts.

YES, the maximum output power of the primary coil is 5W.

c) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils

Yes, the transfer system includes only single primary and secondary coils

d) Client device is placed directly in contact with the transmitter.

Yes, client device is placed directly in contact with the transmitter.

e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

Yes, the EUT is a Wireless Charging mobile.

f) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Yes, the EUT field strength levels are 50% X MPE limit.

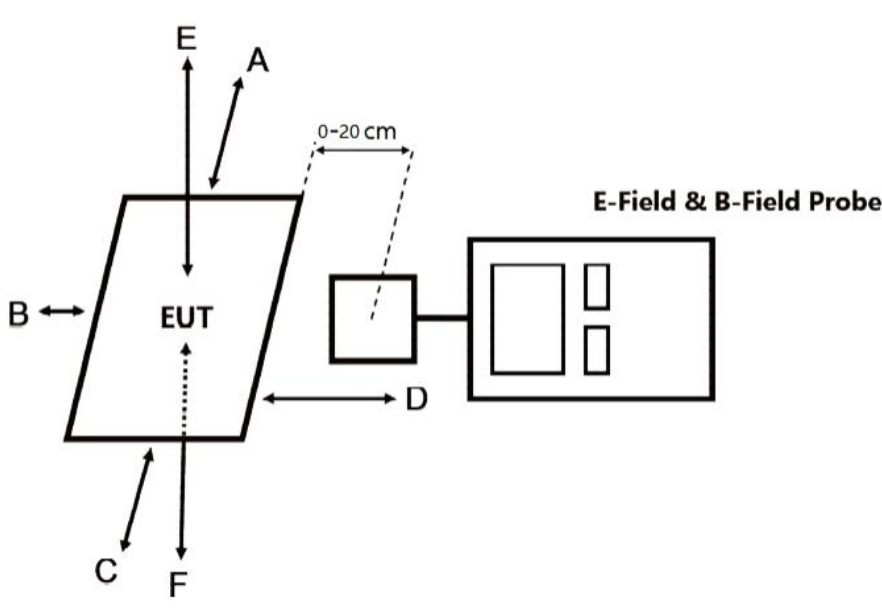
TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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 Exposure				
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
300-1,500			f/300	6
1,500-100,000			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
300-1,500			f/1500	30
1,500-100,000			1.0	30

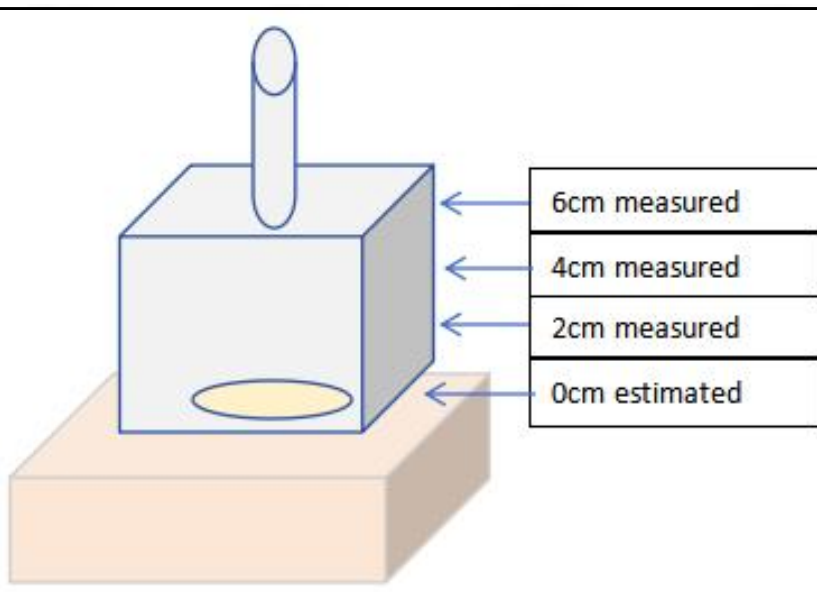
f = frequency in MHz * = Plane-wave equivalent power density

7 Test Settings

Test Setup



The diagram illustrates the test setup. A rectangular Equipment Under Test (EUT) is shown with measurement points A, B, C, D, E, and F. Point A is at the top right corner, B is at the top left corner, C is at the bottom left corner, D is at the bottom right corner, E is at the top center, and F is at the bottom center. A dashed line indicates a distance of 0-20 cm between the EUT and the E-Field & B-Field Probe. The probe is connected to a measurement device.



The diagram shows a cube with a measurement probe placed on top. The probe is positioned at the center of the top face. The distance from the center of the probe to the edge of the device is measured at 0cm, 2cm, 4cm, and 6cm. The 0cm measurement is estimated, while the others are measured.

Note1: The sensitive elements are located approximately 8mm below the exxternal surface

Note2: Measurements should be made from all sides and the top of the primary/client pair, with the 0/2/4/6/8/10/12/14/16/18/20cm measured from the center of the probe(s) to the edge of the device.

The RF exposure test was performed in anechoic chamber.

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.

The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.

The EUT was measured according to the dictates of KDB 680106 D01 v04.

8 Exposure Assessment

8.1 E-Field Strength Test Date

➤ E-Field Strength at 2/4/6/8/10/12/14/16/18/20cm from the edges surrounding the EUT:

Charging Battery Level	Measured E-Field Strength Values (V/m)							FCC E-Field Strength Limits (V/m)
	Measured Distance (cm)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	2	4.4341	4.8641	4.4293	4.5590	7.4646	7.3266	614
50%	2	4.3234	5.1225	4.7537	4.7643	7.8577	7.4977	614
1%	2	4.6351	5.1259	4.6242	4.4570	7.6873	7.6240	614
99%	4	4.0228	4.5467	4.1360	4.2210	7.2843	6.9460	614
50%	4	3.9126	4.7465	4.3095	4.2492	7.4944	7.1181	614
1%	4	4.2248	4.8793	4.3956	4.2529	7.5902	7.2895	614
99%	6	3.6633	4.4069	3.9510	3.9485	7.1473	6.7800	614
50%	6	3.7850	4.5452	4.1059	3.9961	7.3891	6.9517	614
1%	6	4.0120	4.7047	4.2152	4.1149	7.5203	7.1781	614
99%	8	3.5160	4.3565	3.8300	3.8284	7.0628	6.6656	614
50%	8	3.7041	4.4698	3.9795	3.9425	7.2882	6.8548	614
1%	8	3.8935	4.6196	4.0928	4.0553	7.5128	7.0811	614
99%	10	2.7626	3.7152	3.3017	3.2637	6.0814	5.7229	614
50%	10	2.9137	3.8666	3.4145	3.3767	6.3076	5.9116	614
1%	10	3.0640	3.9786	3.5273	3.4897	6.4962	6.1005	614
99%	12	2.0835	3.2253	2.8493	2.8103	5.2513	4.9331	614
50%	12	2.1967	3.3010	2.9250	2.8875	5.4404	5.0829	614
1%	12	2.3473	3.4145	3.0383	3.0000	5.5914	5.2340	614
99%	14	1.4816	2.7728	2.4330	2.4328	4.5362	4.2164	614
50%	14	1.5935	2.8482	2.5092	2.5088	4.6860	4.3682	614
1%	14	1.7078	2.9247	2.5847	2.5855	4.8361	4.5181	614
99%	16	0.9914	2.3584	2.0949	2.0940	3.9332	3.6504	614
50%	16	1.0659	2.4340	2.1707	2.1330	4.0454	3.7633	614
1%	16	1.1777	2.5102	2.2456	2.2076	4.1598	3.8766	614
99%	18	0.5384	2.0193	1.7932	1.7926	3.4046	3.1231	614
50%	18	0.6504	2.0953	1.8692	1.8314	3.4806	3.2345	614
1%	18	0.7259	2.1707	1.9064	1.9048	3.5930	3.3115	614
99%	20	0.1610	1.7551	1.5290	1.5297	2.9512	2.6701	614
50%	20	0.2374	1.7927	1.6038	1.5679	3.0282	2.7827	614
1%	20	0.3125	1.8691	1.6426	1.5936	3.1036	2.8594	614

Note: V/m= A/m *377

8.2 H-Field Strength Test Date:

➤ H-Field Strength at 2/4/6 8/10/12/14/16/18/20cm from the edges surrounding the EUT

Charging Battery Level	Measured E-Field Strength Values (V/m)								FCC H-Field Strength Limits (A/m)
	Measured Distance (cm)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	2	uT	0.0397	0.0436	0.0353	0.0290	0.0618	0.0689	--
99%	2	A/m	0.0318	0.0349	0.0282	0.0232	0.0495	0.0552	1.63
50%	2	uT	0.0463	0.0394	0.0318	0.0309	0.0618	0.0726	--
50%	2	A/m	0.0370	0.0315	0.0255	0.0247	0.0494	0.0581	1.63
1%	2	uT	0.0432	0.0414	0.0341	0.0354	0.0599	0.0684	--
1%	2	A/m	0.0346	0.0331	0.0273	0.0283	0.0479	0.0547	1.63
99%	4	uT	0.0304	0.0274	0.0219	0.0255	0.0376	0.0430	--
99%	4	A/m	0.0243	0.0219	0.0175	0.0204	0.0301	0.0344	1.63
50%	4	uT	0.0353	0.0260	0.0230	0.0247	0.0385	0.0466	--
50%	4	A/m	0.0282	0.0208	0.0184	0.0197	0.0308	0.0373	1.63
1%	4	uT	0.0344	0.0300	0.0269	0.0238	0.0352	0.0460	--
1%	4	A/m	0.0275	0.0240	0.0215	0.0191	0.0281	0.0368	1.63
99%	6	uT	0.0245	0.0218	0.0175	0.0165	0.0331	0.0436	--
99%	6	A/m	0.0196	0.0174	0.0140	0.0132	0.0265	0.0349	1.63
50%	6	uT	0.0252	0.0229	0.0182	0.0190	0.0336	0.0451	--
50%	6	A/m	0.0201	0.0183	0.0145	0.0152	0.0269	0.0361	1.63
1%	6	uT	0.0236	0.0229	0.0207	0.0211	0.0317	0.0430	--
1%	6	A/m	0.0189	0.0183	0.0165	0.0169	0.0253	0.0344	1.63
99%	8	uT	0.0215	0.0164	0.0134	0.0159	0.0269	0.0271	--
99%	8	A/m	0.0172	0.0131	0.0107	0.0128	0.0215	0.0217	1.63
50%	8	uT	0.0231	0.0166	0.0146	0.0160	0.0278	0.0273	--
50%	8	A/m	0.0184	0.0133	0.0117	0.0128	0.0222	0.0219	1.63
1%	8	uT	0.0245	0.0188	0.0154	0.0156	0.0291	0.0272	--
1%	8	A/m	0.0196	0.0150	0.0123	0.0125	0.0233	0.0218	1.63
99%	10	uT	0.0197	0.0136	0.0118	0.0138	0.0235	0.0226	--
99%	10	A/m	0.0157	0.0109	0.0094	0.0111	0.0188	0.0181	1.63
50%	10	uT	0.0204	0.0150	0.0125	0.0151	0.0245	0.0228	--
50%	10	A/m	0.0163	0.0120	0.0100	0.0121	0.0196	0.0183	1.63
1%	10	uT	0.0207	0.0157	0.0118	0.0148	0.0257	0.0240	--

1%	10	A/m	0.0165	0.0126	0.0095	0.0119	0.0206	0.0192	1.63
99%	12	uT	0.0169	0.0126	0.0102	0.0117	0.0204	0.0191	--
99%	12	A/m	0.0135	0.0101	0.0081	0.0094	0.0163	0.0153	1.63
50%	12	uT	0.0179	0.0129	0.0120	0.0114	0.0219	0.0203	--
50%	12	A/m	0.0143	0.0103	0.0096	0.0091	0.0175	0.0162	1.63
1%	12	uT	0.0173	0.0149	0.0126	0.0127	0.0220	0.0206	--
1%	12	A/m	0.0138	0.0119	0.0100	0.0102	0.0176	0.0165	1.63
99%	14	uT	0.0143	0.0123	0.0096	0.0101	0.0187	0.0181	--
99%	14	A/m	0.0115	0.0098	0.0077	0.0080	0.0150	0.0145	1.63
50%	14	uT	0.0165	0.0120	0.0102	0.0109	0.0173	0.0174	--
50%	14	A/m	0.0132	0.0096	0.0081	0.0087	0.0139	0.0139	1.63
1%	14	uT	0.0148	0.0125	0.0099	0.0109	0.0178	0.0187	--
1%	14	A/m	0.0118	0.0100	0.0080	0.0087	0.0143	0.0149	1.63
99%	16	uT	0.0135	0.0101	0.0088	0.0079	0.0168	0.0150	--
99%	16	A/m	0.0108	0.0081	0.0070	0.0063	0.0134	0.0120	1.63
50%	16	uT	0.0121	0.0116	0.0088	0.0099	0.0157	0.0155	--
50%	16	A/m	0.0097	0.0093	0.0070	0.0079	0.0125	0.0124	1.63
1%	16	uT	0.0140	0.0091	0.0099	0.0093	0.0171	0.0160	--
1%	16	A/m	0.0112	0.0073	0.0080	0.0074	0.0137	0.0128	1.63
99%	18	uT	0.0118	0.0088	0.0079	0.0088	0.0136	0.0127	--
99%	18	A/m	0.0095	0.0071	0.0063	0.0070	0.0109	0.0102	1.63
50%	18	uT	0.0122	0.0091	0.0080	0.0088	0.0139	0.0140	--
50%	18	A/m	0.0097	0.0073	0.0064	0.0070	0.0111	0.0112	1.63
1%	18	uT	0.0119	0.0094	0.0081	0.0089	0.0152	0.0143	--
1%	18	A/m	0.0095	0.0076	0.0065	0.0072	0.0122	0.0114	1.63
99%	20	uT	0.0107	0.0070	0.0058	0.0088	0.0104	0.0102	--
99%	20	A/m	0.0085	0.0056	0.0046	0.0070	0.0083	0.0082	1.63
50%	20	uT	0.0109	0.0082	0.0070	0.0073	0.0125	0.0123	--
50%	20	A/m	0.0088	0.0066	0.0056	0.0059	0.0100	0.0099	1.63
1%	20	uT	0.0089	0.0094	0.0066	0.0067	0.0130	0.0106	--
1%	20	A/m	0.0071	0.0076	0.0053	0.0054	0.0104	0.0085	1.63

Note: A/m=uT/1.25

8.3 Estimated Model

According to the formula:

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

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

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 .

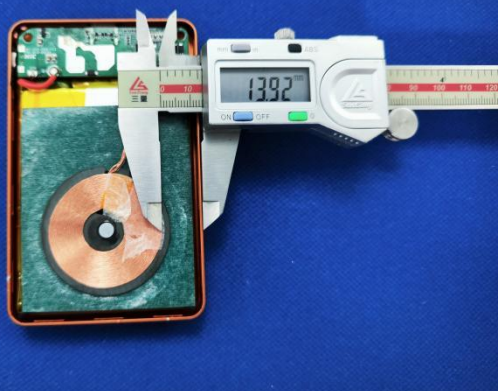
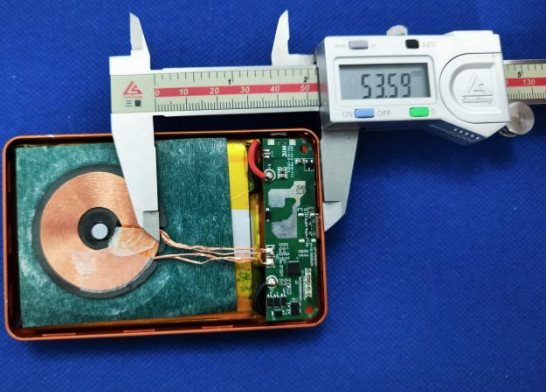
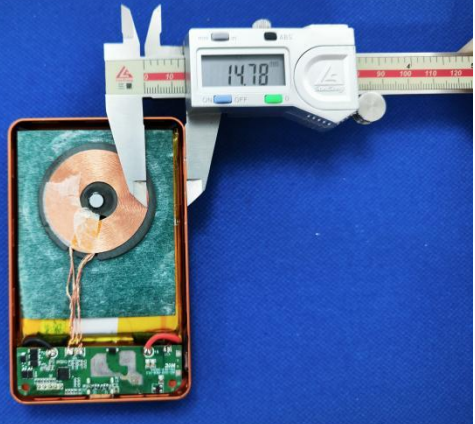
Therefore, From the measurement H_6 we can estimate the values of H_4, H_2, H_0 :

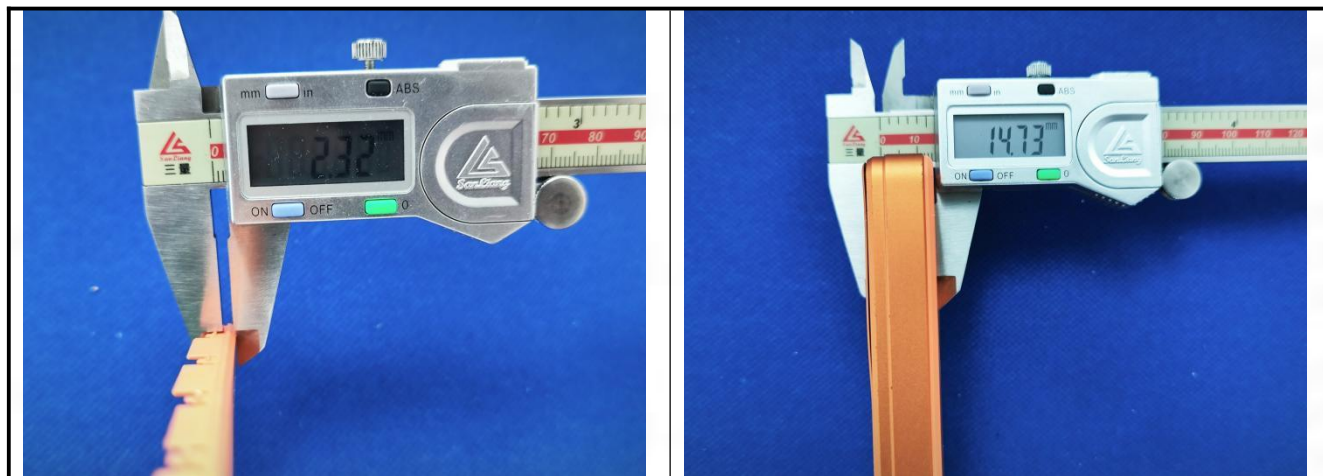
$$H_4 = H_6 * r_6 / r_4$$

$$H_2 = H_6 * r_6 / r_2$$

$$H_0 = H_6 * r_6 / r_0$$

The values of “ r ” are shown in the following table:

A:12.59mm	B:13.92mm
	
C:53.59mm	D:14.78mm
	
E:2.32mm	F:14.73mm



➤ **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
0	1.26	1.39	5.36	1.48	0.23	1.47
2	3.26	3.39	7.36	3.48	2.23	3.47
4	5.26	5.39	9.36	5.48	4.23	5.47
6	7.26	7.39	11.36	7.48	6.23	7.47
8	9.26	9.39	13.36	9.48	8.23	9.47
10	11.26	11.39	15.36	11.48	10.23	11.47
12	13.26	13.39	17.36	13.48	12.23	13.47
14	15.26	15.39	19.36	15.48	14.23	15.47
16	17.26	17.39	21.36	17.48	16.23	17.47
18	19.26	19.39	23.36	19.48	18.23	19.47
20	21.26	21.39	25.36	21.48	20.23	21.47

➤ **The result is calculated by the above formula:**

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

Charging Battery Level	Measured E-Field Strength Values (V/m)								FCC H-Field Strength Limits (A/m)
	Measured Distance (cm)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	0	A/m	0.1129	0.1005	0.0806	0.0759	0.1526	0.2008	1.63
50%	0	A/m	0.1161	0.1054	0.0837	0.0874	0.1551	0.2079	1.63
1%	0	A/m	0.1089	0.1053	0.0953	0.0974	0.1460	0.1984	1.63
99%	2	A/m	0.0436	0.0388	0.0311	0.0293	0.0590	0.0776	1.63
50%	2	A/m	0.0449	0.0407	0.0324	0.0338	0.0599	0.0804	1.63
1%	2	A/m	0.0421	0.0407	0.0368	0.0376	0.0564	0.0767	1.63
99%	4	A/m	0.0270	0.0241	0.0193	0.0182	0.0365	0.0481	1.63
50%	4	A/m	0.0278	0.0252	0.0201	0.0209	0.0372	0.0498	1.63
1%	4	A/m	0.0261	0.0252	0.0228	0.0233	0.0350	0.0475	1.63

8.4 Comparison of evaluation data and test data

➤ We compare the test value of 4cm/2cm with the estimated value:

Test Value									
Charging Battery Level	Measured E-Field Strength Values (V/m)								FCC H-Field Strength Limits (A/m)
	Measured Distance (cm)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	2	A/m	0.0318	0.0349	0.0282	0.0232	0.0495	0.0552	1.63
50%	2	A/m	0.0370	0.0315	0.0255	0.0247	0.0494	0.0581	1.63
1%	2	A/m	0.0346	0.0331	0.0273	0.0283	0.0479	0.0547	1.63
99%	4	A/m	0.0243	0.0219	0.0175	0.0204	0.0301	0.0344	1.63
50%	4	A/m	0.0282	0.0208	0.0184	0.0197	0.0308	0.0373	1.63
1%	4	A/m	0.0275	0.0240	0.0215	0.0191	0.0281	0.0368	1.63
Estimated Value									
Charging Battery Level	Measured E-Field Strength Values (V/m)								FCC H-Field Strength Limits (A/m)
	Measured Distance (cm)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	2	A/m	0.0436	0.0388	0.0311	0.0293	0.0590	0.0776	1.63
50%	2	A/m	0.0449	0.0407	0.0324	0.0338	0.0599	0.0804	1.63
1%	2	A/m	0.0421	0.0407	0.0368	0.0376	0.0564	0.0767	1.63
99%	4	A/m	0.0270	0.0241	0.0193	0.0182	0.0365	0.0481	1.63
50%	4	A/m	0.0278	0.0252	0.0201	0.0209	0.0372	0.0498	1.63
1%	4	A/m	0.0261	0.0252	0.0228	0.0233	0.0350	0.0475	1.63

➤ The corresponding deviation value is calculated:

Charging Battery Level	Deviation value								Limits
	Measured Distance (cm)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	2	A/m	-27.15%	-10.12%	-9.30%	-20.89%	-16.09%	-28.94%	30%
50%	2	A/m	-17.50%	-22.63%	-21.30%	-26.76%	-17.52%	-27.69%	30%
1%	2	A/m	-17.90%	-18.69%	-25.93%	-24.74%	-15.03%	-28.61%	30%
99%	4	A/m	-9.97%	-8.92%	-9.37%	12.24%	-17.74%	-28.56%	30%
50%	4	A/m	1.47%	-17.66%	-8.13%	-5.72%	-17.05%	-25.20%	30%
1%	4	A/m	5.52%	-4.95%	-5.68%	-18.30%	-19.54%	-22.53%	30%

➤ 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 0cm are reliable.

9 Test Setup Photos



Side(C)



Side(A)



Side(B)



Side(D)



Top(E)



Bottom(F)



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--END OF REPORT--