

Health Test Report

For

Applicant name: AICELLO TAIWAN CO., LTD.
Address: 12F-1, NO.146, Ming Chyuan W. Rd., Datong Dist., Taipei, Taiwan
EUT name: Magnetic Wireless Power Bank
Brand name: N/A
Model number: PBS001
Series model number: /
FCC ID: 2BVZW-PBS001

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: BTF260429R00902
Test standards: 47 CFR Part 1 §1.1310
47 CFR Part 2 §2.1093
KDB 680106 D01 Wireless Power Transfer v04
Test conclusion: Pass
Date of sample receipt: 2026-4-28
Test date: 2026-4-28 to 2026-5-9
Date of issue: 2026-5-9

Prepared by:



Chris Liu /Project engineer

Approved by:



Ryan C. EMC manager

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue date	Revisions content
R_V0	2026-5-9	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.
- **ISED – CAB identifier.: CN0135**
The 3m Semi-anechoic chamber of BTF Testing Lab (Shenzhen) Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 27844.
- **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:	AICELLO TAIWAN CO., LTD.
Address:	12F-1, NO.146, Ming Chyuan W. Rd., Datong Dist., Taipei, Taiwan

2.2 Manufacturer Information

Company name:	Jiangyin Aicello New Materials Technology Co., Ltd.
Address:	Room 1009, Building A3, Tian'an Digital City, No. 55, Changshan Avenue, Jiangyin , Jiangsu ,China

2.3 Factory Information

Company name:	Jiangyin Aicello New Materials Technology Co., Ltd.
Address:	Room 1009, Building A3, Tian'an Digital City, No. 55, Changshan Avenue, Jiangyin , Jiangsu ,China

2.4 General Description of Equipment under Test (EUT)

EUT name	Magnetic Wireless Power Bank
Under test model name	PBS001
Series model name	/
Description of model name differentiation	/
Hardware Version	/
Software Version	/
Rating:	Battery Energy: 5000mAh, 3.85V/38.5Wh(two cells in series) USB-C/cable IN: DC 5V/3A, DC 9V/3A, DC 12V/2.5A, DC 15V/2A, DC 20V/1.5A, USB-C/cable OUT: DC 5V/3A, DC 9V/3A, DC 12V/2.92A, DC 15V/2.33A, DC 20V/1.75A Wireless Charger: 5W/7.5W/10W/15W/MPP25W

2.5 Technical Information

Operation frequency:	111kHz~205kHz for WPT 5W/7.5W/10W/15W 362.9kHz for WPT 25W
Modulation technology:	ASK
Antenna type:	Inductive loop 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	/	/	/
Adapter	Apple Inc.	A2166	/	/	/

6 Test Requirement

According to the section 3 of KDB 680106 D01 Wireless Power Transfer v04

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

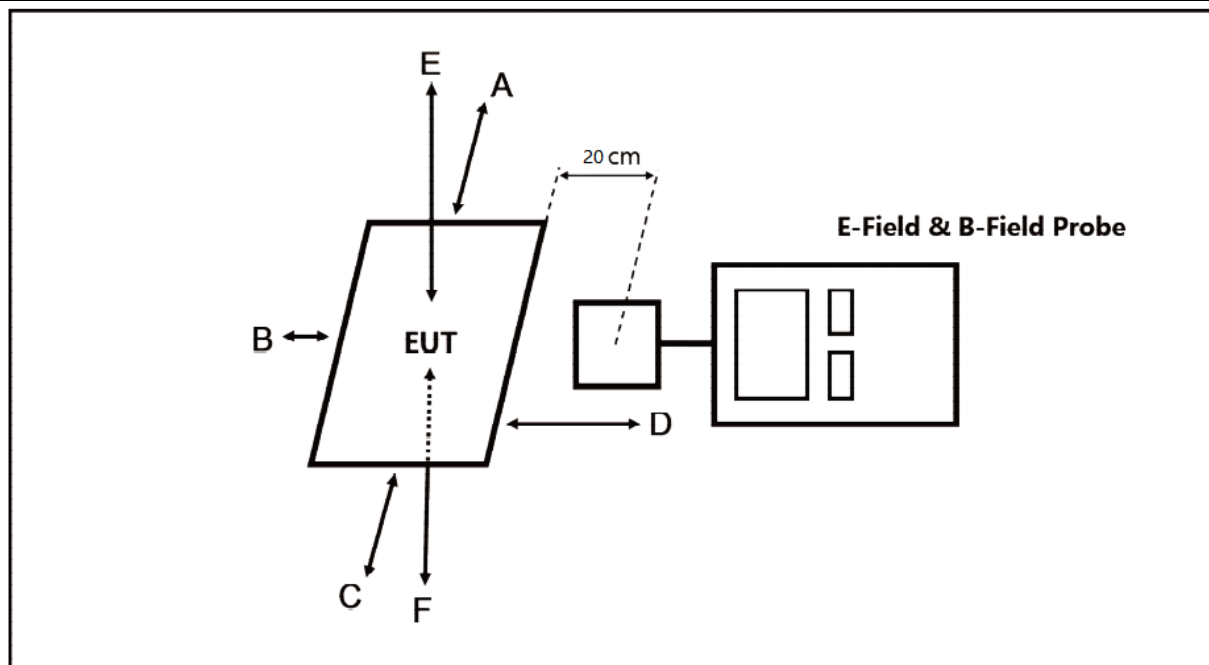
f = frequency in MHz * = Plane-wave equivalent power density

*=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).

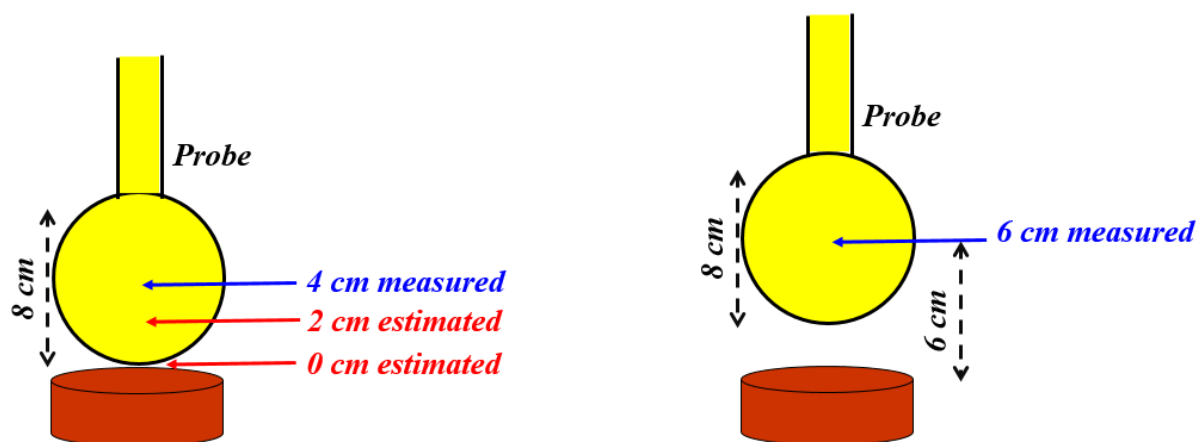
7 Test Settings

Test Setup



For mobile exposure conditions:

- The RF exposure test was performed in anechoic chamber.
- E and H-field measurements should be made with the center of the probe at a distance of 20 cm above all the surface of the primary/client pair
- The highest emission level was recorded and compared with limit.
- The EUT was measured according to the dictates of KDB680106 D01 Wireless Power Transfer v04



For portable exposure conditions:

- The RF exposure test was performed in anechoic chamber.
- Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm
- The highest emission level was recorded and compared with limit.
- The EUT was measured according to the dictates of KDB680106 D01 Wireless Power Transfer v04

Test Procedure:

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.

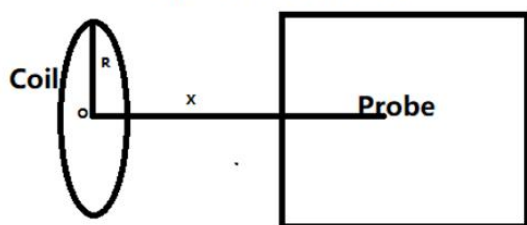
The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.

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

Estimated method for portable RF Exposure condition:

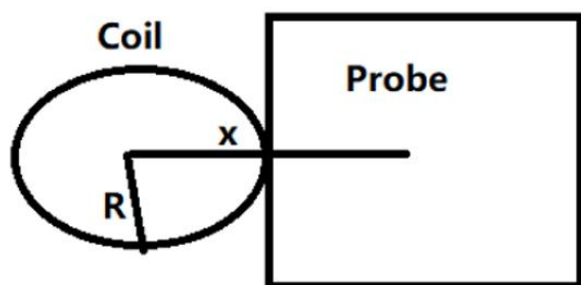
We use Biot-Savart formula theory to estimate the strength of the magnetic field that the measuring instrument cannot measure. According to Biot-Savart formula:

Top & Bottom Side:



$$B = \frac{\mu_0 * I * N * R^2}{2 * (R^2 + x^2)^{3/2}}$$

Front, left, right & rear Side:



$$B = \frac{\mu_0 * I * N}{2 * x}$$

B: means H-field value;

μ_0 : is space permeability; $\mu_0=4\pi*10^{-7}$;

I: A current element passing through a coil;

R: means the Radius of coil;

N: Number of turns;

x: means the evaluated point to the coil center (For top & bottom side: x=test distance; For other side: x=test distance + R)

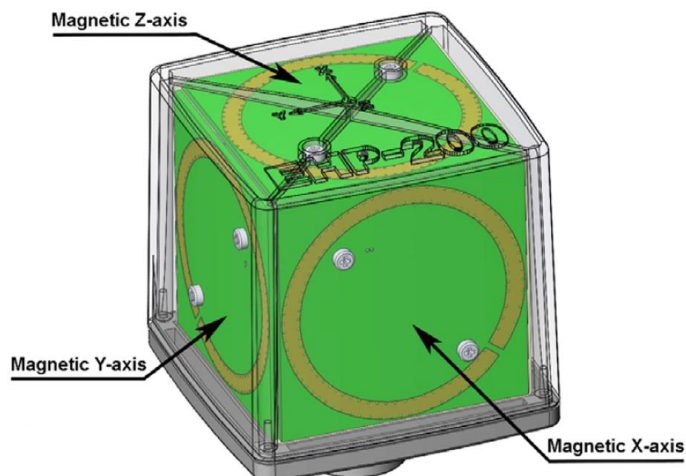
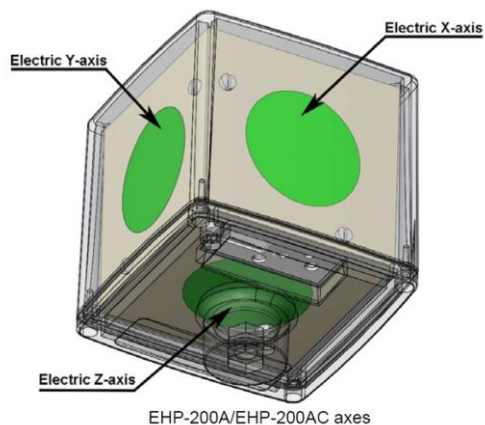
For validation purposes:

If the value to show a 30% agreement between the mode and the (E- and/or H-field) probe measurements for the two closest points to the device surface, and with 2cm increments. Then this extrapolation method is reasonable. Note: The percent ratio of agreement is the difference between the estimated and measured values divided by the average of the estimated and measured values.

Note: The percent ratio of agreement is the difference between the estimated and measured values divided by the average of the estimated and measured values.

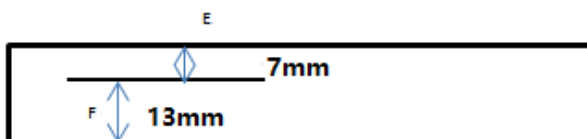
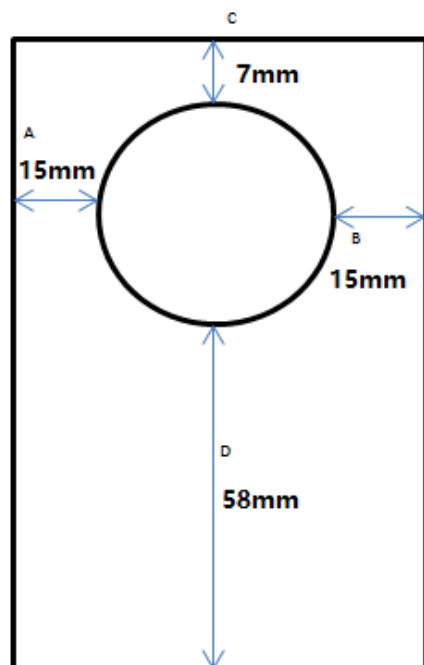
Note1: The sensitive elements are located approximately 8mm below the external surface. So the actual 0cm field strengths need to be estimated for the positions that are not reachable. The Extrapolated Value Calculation Method please Refer to the formula list above

	Probe	Length	Width	Height
		109mm	92mm	92mm



The sensitive elements are located approximately 8 mm below the external surface

EUT dimensions:



Note: Length × Width × Height= 107*71.3*20 ± 0.4mm
according to antenna specification, Radius of coil R is 0.0199m, Number of turns N is 11

8 Exposure Assessment

8.1 Test mode

No.	Test Modes
TM1	Charging(DC 5V/3A) + Wireless output (5W, max allowed)
TM2	Charging(DC 9V/3A) + Wireless output (5W, max allowed)
TM3	Charging(DC 12V/2.5A) + Wireless output (5W, max allowed)
TM4	Charging(DC 15V/2A) + Wireless output (5W, max allowed)
TM5	Charging(DC 20V/1.5A) + Wireless output (5W, max allowed)
TM6	Wireless output (5W)
TM7	Wireless output (7.5W)
TM8	Wireless output (10W)
TM9	Wireless output (15W)
TM10	Wireless output (25W)
Remark: All modes have been tested. The worst mode reported	

8.2 H-Field Strength Test Data

(worst condition 25W)

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

Measured Distance (cm)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
6	0.0819	0.0924	0.0917	0.0752	0.0505	0.0611	1.63
8	0.0763	0.0853	0.0853	0.0652	0.0346	0.0411	1.63
10	0.0710	0.0722	0.0707	0.0537	0.0235	0.0285	1.63
12	0.0597	0.0598	0.0687	0.0489	0.0161	0.0169	1.63
14	0.0541	0.0551	0.0647	0.0404	0.0103	0.0116	1.63
16	0.0505	0.0522	0.0614	0.0354	0.0083	0.0092	1.63
18	0.0470	0.0427	0.0528	0.0320	0.0054	0.0059	1.63
20	0.0430	0.0383	0.0501	0.0294	0.0033	0.0028	1.63

Estimated the results of 8cm through 10 cm

Test Position	Measured Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits (%)
A	0.0763	0.0833	8.77	30
B	0.0853	0.0839	-1.65	30
C	0.0853	0.0822	-3.70	30
D	0.0652	0.0602	-7.97	30

E	0.0346	0.0408	16.45	30
F	0.0411	0.0482	15.90	30

Estimated the results of 6cm through 8 cm

Test Position	Measured Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits (%)
A	0.0819	0.0911	10.64	30
B	0.0924	0.1019	9.78	30
C	0.0917	0.1033	11.90	30
D	0.0752	0.0741	-1.47	30
E	0.0505	0.0677	-29.10	30
F	0.0611	0.0722	16.65	30

Test Position	Estimated Value(A/m)			Limits (A/m)
	4cm	2cm	0cm	
A	0.1037	0.1414	0.2222	1.63
B	0.1147	0.1511	0.2214	1.63
C	0.1138	0.1499	0.2196	1.63
D	0.0871	0.1650	0.2034	1.63
E	0.1178	0.3605	1.5114	1.63
F	0.1341	0.3737	1.4546	1.63

➤ 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

Please refer to the Appendix I Test Setup Photos

10 EUT Constructional Details (EUT Photos)

Please refer to the Appendix II External Photos & Appendix III External Photos



BTF Testing Lab (Shenzhen) Co., Ltd.

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Bao'an District, Shenzhen, Guangdong, China

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