

TEST REPORT

Report No.: BCTC2506974944-2E

Applicant: Shenzhen Xiaodi Network Technology Co.,Ltd.

Product Name: Power bank

Test Model: B697

Tested Date: 2025-06-27 to 2025-07-04

Issued Date: 2025-07-21



Shenzhen BCTC Testing Co., Ltd.

FCC ID:2BAX5-45188

Product Name: Power bank

Trademark: N/A

Model/Type Reference: B697,B739,B743,B758,B759,B708,B832,B729,B735,B738,B750,B728,B784,B695,
B803,B805,B806,B807,B808,B809,B810,B819,B820,B821,B822,B823,B824,B850,
B851,B852,B860,B861,B862,B865,B866,B697C

Prepared For: Shenzhen Xiaodi Network Technology Co.,Ltd.

Address: RM 305, 3F, BLDG No. 4, Demei Industrial CTR,Fukang Community, Longhua St.,
Longhua District,Shenzhen,China

Manufacturer: Shenzhen Xiaodi Network Technology Co.,Ltd.

Address: RM 305, 3F, BLDG No. 4, Demei Industrial CTR,Fukang Community, Longhua St.,
Longhua District,Shenzhen,China

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road,
Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Sample Received Date: 2025-06-27

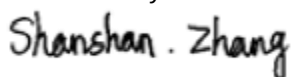
Sample Tested Date: 2025-06-27 to 2025-07-04

Report No.: BCTC2506974944-2E

Test Standards: FCC CFR 47 part1, 1.1307(b), 1.1310
KDB 680106 D01 Wireless Power Transfer v04

Test Results: PASS

Tested by:



Shanshan. Zhang / Project Handler

Approved by:



Zero Zhou/Reviewer

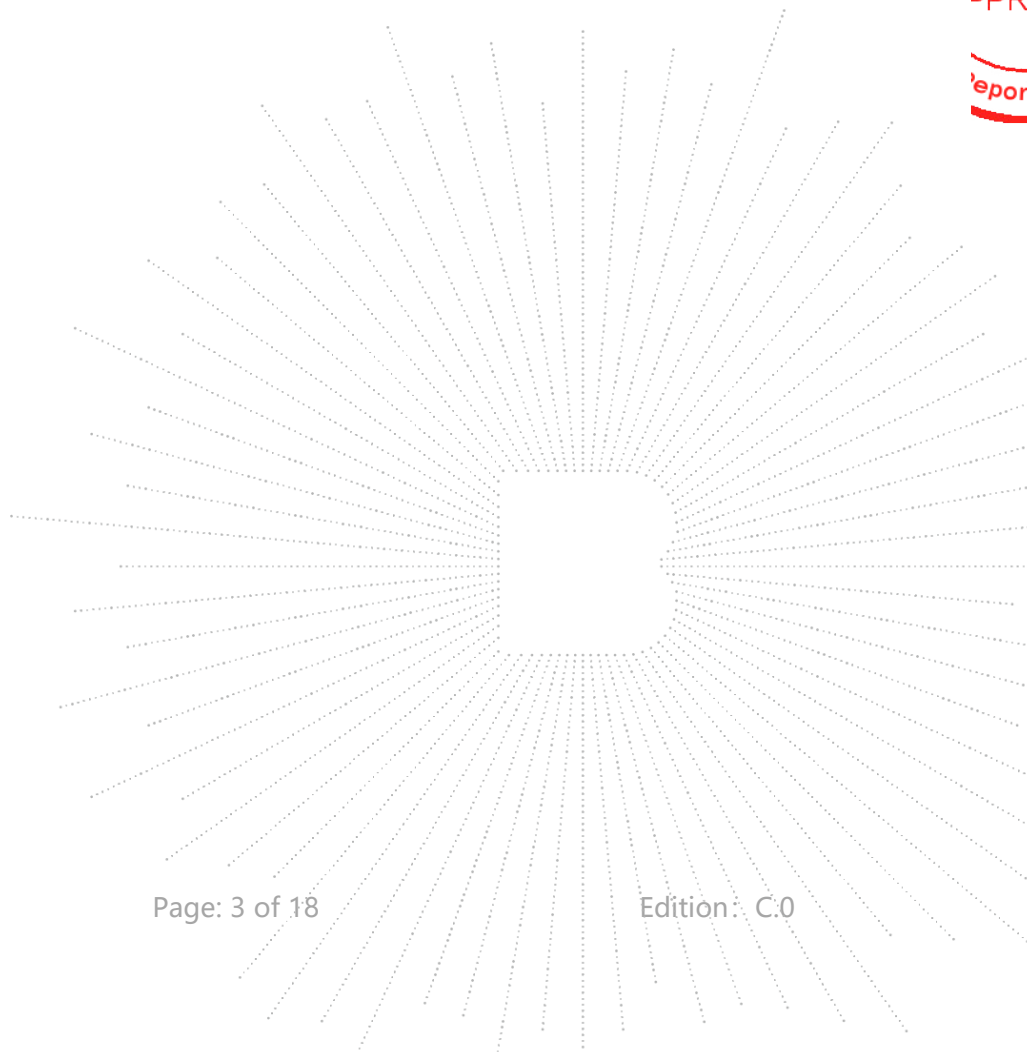
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(Note: N/A Means Not Applicable)

BCTC
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Report



1. Version

Report No.	Issue Date	Description	Approved
BCTC2506974944-2E	2025-07-21	Original	Valid

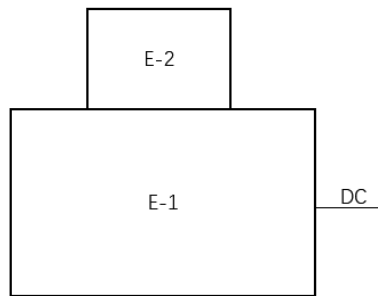
2. Product Information

2.1 Product Information

Model/Type reference:	B697,B739,B743,B758,B759,B708,B832,B729,B735,B738,B750,B728,B784,B695,B803,B805,B806,B807,B808,B809,B810,B819,B820,B821,B822,B823,B824,B850,B851,B852,B860,B861,B862,B865,B866,B697C
Model differences:	The following models of units we produce are identical in electrical, mechanical and physical structure; The difference is only in the model name, we finally have B697as test model.
Hardware Version:	N/A
Software Version:	N/A
Type of Modulation:	ASK
Operation Frequency:	112-205KHz 300-350KHz
Antenna installation:	Loop coil antenna
Ratings:	Input:Type-c:5V/3A, 9V/2A, 12V/1.5A PD18w Output:Type-C: DC5V=3A 9V=2.22A 10V=2.25A (22.5W Max) USB-A:5V/2A,10W Cable output: type-c1/c2:DC5V=3A 9V=2.22A 10V=2.25A (SCP) 12V=1.67A (PD20W/22.5W Max) Mobile magnetic output: 15W max Apple watch output: 2.5W max
Battery:	DC 3.85V/10000mAh

2.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Power bank	N/A	B697	N/A	EUT
E-2	Dummy load	N/A	DL01	N/A	Dummy load
E-3	Adapter	N/A	KA3601A-125288 0US	N/A	Auxiliary



Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

2.3 Test Mode

DC Mode	Mode 1	Wireless Charging (Full load)15W/2.5W
	Mode 2	Wireless Charging (Half load)
	Mode 3	Wireless Charging (Null load)

Note: All test mode were tested and passed, only shows the worst case mode which were recorded in this report.

BCTC CO., LTD.

3. Test Facility And Test Instrument Used

3.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

ISED CAB identifier: CN0017

3.2 Test Instrument Used

EMF Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Electromagnet -ic radiation tester	Wavecontrol	SMP160	19SN0980	May 14, 2025	May 13, 2026
Electromagne- tic field probe	Wavecontrol	WP400-3	20WP120082	May 14, 2025	May 13, 2026
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\

The probe radius is 3.3 cm.

4. Method Of Measurement

4.1 Applicable Standard

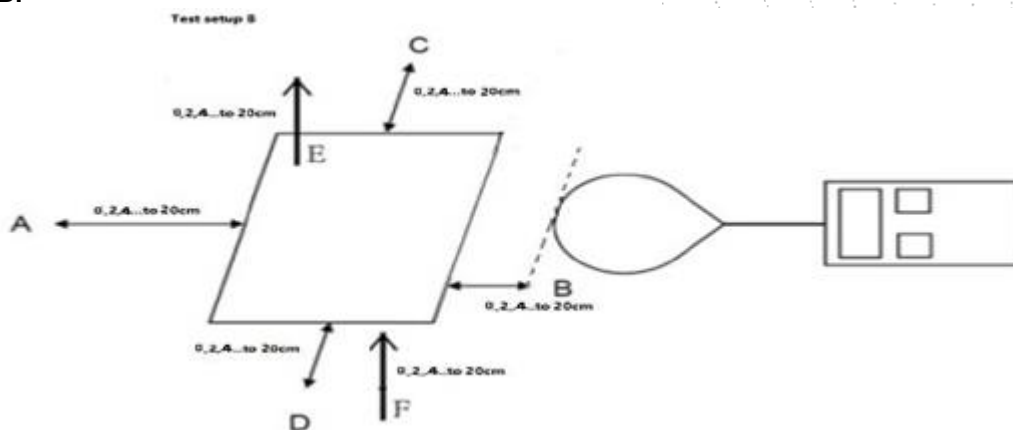
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01v04: RF Exposure Wireless Charging Apps v04.

4.2 Block Diagram Of Test Setup

A:



B:



4.3 Limit

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

4.4 Test procedure

- The RF exposure test was performed in anechoic chamber.
- The measurement probe was placed at 0 cm surrounding the device for test setup A; and the measurement Probe was placed from 0 cm to 20 cm, in 2 cm maximum increment measured from the edge of the device For the test setup B.
- The highest emission level was recorded and compared with limit as soon as measurement of each
- 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 KDB680106 D01v04.
- Remark: The EUT's test position A, B, C, D , E and F is valid for the E and H field measurements.

4.5 Equipment Approval Considerations

The EUT does comply with item 5(b) of KDB 680106 D01v04

1) Power transfer frequency is less than 1MHz

Yes, the device operate in the frequency range from 112-205kHz,300-350KHz

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

Yes, the maximum output power of the primary coil is 15W.

3) A client device providing the maximum permitted load is placed in physical contact with the transmitter.

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

4) Only § 2.1091-Mobile exposure conditions apply

No, the EUT is portable condition assessment

5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1.

Yes, Conform to

6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time.

Yes, confirm.

4.6 E and H field Strength

Mobile: Test Mode 1 (the worst mode)

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery level	Frequency Range (MHz)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position Top(uT)
99%	0.112-0.205	0.478	0.472	0.506	0.508	0.497	0.472

Battery level	Frequency Range (MHz)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position Top(A/m)	50% Limits Test (A/m)	Limits Test (A/m)
99%	0.112-0.205	0.382	0.377	0.405	0.407	0.397	0.377	0.814	1.63

Note: A/m = uT ÷ 1.25

Battery level	Frequency Range (MHz)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
99%	0.112-0.205	0.235	0.240	0.225	0.239	0.238	614

Portable: Test Mode 1 (the worst mode)

Full Load

E-Field Strength at (distance from 2cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
2	0.103	0.095	0.095	0.098	0.105	614
4	0.108	0.105	0.097	0.109	0.096	614
6	0.106	0.102	0.108	0.102	0.103	614
8	0.092	0.091	0.105	0.097	0.100	614
10	0.097	0.109	0.099	0.100	0.109	614
12	0.102	0.092	0.108	0.106	0.098	614
14	0.109	0.108	0.091	0.096	0.091	614
16	0.096	0.093	0.101	0.094	0.094	614
18	0.106	0.108	0.104	0.092	0.098	614
20	0.097	0.102	0.100	0.103	0.107	614

H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.1398	0.1030	0.0918	0.1154	0.0559	0.0583
4	0.0543	0.0324	0.0318	0.0369	0.0214	0.0233
6	0.0251	0.0139	0.0138	0.0186	0.0115	0.0125
8	0.0193	0.0080	0.0086	0.0133	0.0070	0.0088
10	0.0195	0.0070	0.0082	0.0132	0.0062	0.0083
12	0.0194	0.0075	0.0074	0.0121	0.0060	0.0084
14	0.0190	0.0069	0.0076	0.0132	0.0067	0.0081
16	0.0189	0.0078	0.0081	0.0132	0.0058	0.0081
18	0.0187	0.0071	0.0076	0.0128	0.0072	0.0090
20	0.0185	0.0068	0.0084	0.0121	0.0064	0.0086

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.1118	0.0824	0.0734	0.0923	0.0447	0.0466	1.63
4	0.0434	0.0259	0.0254	0.0295	0.0171	0.0186	1.63
6	0.0201	0.0111	0.0110	0.0149	0.0092	0.0100	1.63
8	0.0154	0.0064	0.0069	0.0106	0.0056	0.0070	1.63
10	0.0156	0.0056	0.0066	0.0106	0.0050	0.0066	1.63
12	0.0155	0.0060	0.0059	0.0097	0.0048	0.0067	1.63
14	0.0152	0.0055	0.0061	0.0106	0.0054	0.0065	1.63
16	0.0151	0.0062	0.0065	0.0106	0.0046	0.0065	1.63
18	0.0150	0.0057	0.0061	0.0102	0.0058	0.0072	1.63
20	0.0148	0.0054	0.0067	0.0097	0.0051	0.0069	1.63

Note: $A/m = uT/1.25$

Using Biot-Savart Law, the value of 0cm can be estimated through the test results of 2cm:

Distance: 0cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.8621	0.6354	0.5660	0.7117	0.1820	0.1897	1.63

Using Biot-Savart Law, the value of 2cm can be estimated through the test results of 4cm:

Distance: 2cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.1447	0.0863	0.0847	0.0983	0.0518	0.0564	1.63

Agreement Ratio

Distance: 2cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.1118	0.1447	25.60%	30%
Point B	0.0824	0.0863	4.67%	30%
Point C	0.0734	0.0847	14.21%	30%
Point D	0.0923	0.0983	6.31%	30%
Point E	0.0447	0.0518	14.70%	30%
Point F	0.0466	0.0564	18.88%	30%
Test result: Pass				

Using Biot-Savart Law, the value of 4cm can be estimated through the test results of 6cm:

Distance: 4cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.0473	0.0261	0.0259	0.0351	0.0214	0.0232	1.63

Agreement Ratio

Distance: 4cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.0434	0.0473	8.61%	30%
Point B	0.0259	0.0261	0.88%	30%
Point C	0.0254	0.0259	1.84%	30%
Point D	0.0295	0.0351	17.27%	30%
Point E	0.0171	0.0214	22.15%	30%
Point F	0.0186	0.0232	21.98%	30%
Test result: Pass				

Mobile: Test Mode 1 (the worst mode)

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery level	Frequency Range (MHz)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position Top(uT)
99%	0.300-0.350	0.482	0.487	0.468	0.484	0.468	0.485

Battery level	Frequency Range (MHz)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position Top(A/m)	50% Limits Test (A/m)	Limits Test (A/m)
99%	0.300-0.350	0.386	0.390	0.375	0.387	0.374	0.370	0.385	1.63

Note: A/m=uT÷1.25

Battery level	Frequency Range (MHz)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
99%	0.300-0.350	0.232	0.233	0.243	0.250	0.231	614

E-Field Strength at (distance from 2cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
2	0.095	0.104	0.092	0.105	0.090	614
4	0.107	0.106	0.101	0.091	0.110	614
6	0.098	0.095	0.098	0.104	0.105	614
8	0.107	0.105	0.106	0.094	0.108	614
10	0.102	0.090	0.100	0.103	0.104	614
12	0.096	0.097	0.103	0.104	0.108	614
14	0.101	0.102	0.101	0.109	0.104	614
16	0.099	0.098	0.095	0.105	0.100	614
18	0.093	0.095	0.102	0.103	0.107	614
20	0.101	0.098	0.095	0.098	0.108	614

Portable: Test Mode 1 (the worst mode)

H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.1384	0.1041	0.0924	0.1170	0.0573	0.0575
4	0.0528	0.0326	0.0339	0.0380	0.0226	0.0230
6	0.0240	0.0149	0.0161	0.0204	0.0120	0.0133
8	0.0185	0.0089	0.0108	0.0154	0.0079	0.0101
10	0.0174	0.0086	0.0110	0.0147	0.0072	0.0094
12	0.0174	0.0085	0.0095	0.0145	0.0080	0.0097
14	0.0187	0.0091	0.0098	0.0146	0.0076	0.0098
16	0.0185	0.0080	0.0102	0.0151	0.0070	0.0099
18	0.0177	0.0077	0.0105	0.0147	0.0069	0.0089
20	0.0176	0.0088	0.0098	0.0153	0.0071	0.0103

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.1107	0.0833	0.0739	0.0936	0.0458	0.0460	1.63
4	0.0422	0.0261	0.0271	0.0304	0.0181	0.0184	1.63
6	0.0192	0.0119	0.0129	0.0163	0.0096	0.0106	1.63
8	0.0148	0.0071	0.0086	0.0123	0.0063	0.0081	1.63
10	0.0139	0.0069	0.0088	0.0118	0.0058	0.0075	1.63
12	0.0139	0.0068	0.0076	0.0116	0.0064	0.0078	1.63
14	0.0150	0.0073	0.0078	0.0117	0.0061	0.0078	1.63
16	0.0148	0.0064	0.0082	0.0121	0.0056	0.0079	1.63
18	0.0142	0.0062	0.0084	0.0118	0.0055	0.0071	1.63
20	0.0141	0.0070	0.0078	0.0122	0.0057	0.0082	1.63

Note: $A/m = uT/1.25$

Using Biot-Savart Law, the value of 0cm can be estimated through the test results of 2cm:

Distance: 0cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.8536	0.6423	0.5698	0.7217	0.1865	0.1873	1.63

Using Biot-Savart Law, the value of 2cm can be estimated through the test results of 4cm:

Distance: 2cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.1407	0.0870	0.0903	0.1013	0.0548	0.0558	1.63

Agreement Ratio

Distance: 2cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.1107	0.1407	23.83%	30%
Point B	0.0833	0.0870	4.37%	30%
Point C	0.0739	0.0903	19.99%	30%
Point D	0.0936	0.1013	7.94%	30%
Point E	0.0458	0.0548	17.89%	30%
Point F	0.0460	0.0558	19.18%	30%
Test result: Pass				

Using Biot-Savart Law, the value of 4cm can be estimated through the test results of 6cm:

Distance: 4cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.0452	0.0280	0.0304	0.0384	0.0223	0.0246	1.63

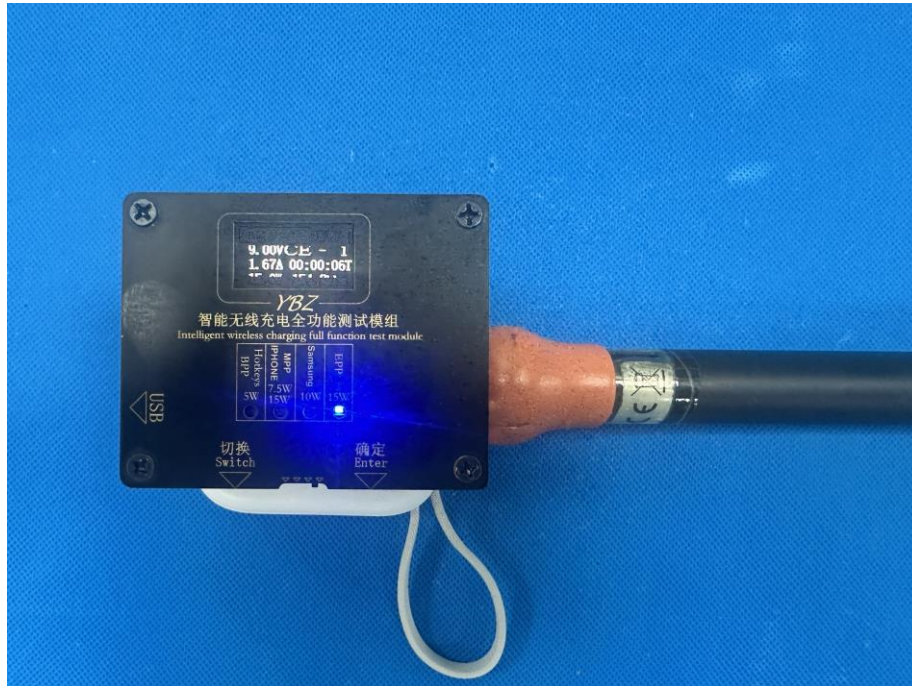
Agreement Ratio

Distance: 4cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.0422	0.0452	6.84%	30%
Point B	0.0261	0.0280	7.22%	30%
Point C	0.0271	0.0304	11.37%	30%
Point D	0.0304	0.0384	23.25%	30%
Point E	0.0181	0.0223	20.96%	30%
Point F	0.0184	0.0246	28.99%	30%
Test result: Pass				

5. Photographs Of Test Set-Up

Mobile: Test Mode 1-3



STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

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