

# TEST REPORT

Report No.: BCTC2501296787-2E

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Applicant: GoDirectInc.com,Inc.

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Product Name: Wireless Power Bank

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Test Model: GI-PB10K-C1-WH

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Tested Date: 2024-12-31 to 2025-01-08

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Issued Date: 2025-05-26

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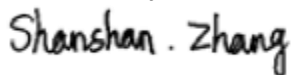
Shenzhen **BCTC** Testing Co., Ltd.



**FCC ID:2BKO4GI-PB10K-C1**

Product Name: Wireless Power Bank  
Trademark: N/A  
Model/Type Reference: GI-PB10K-C1-WH  
Prepared For: GoDirectInc.com,Inc.  
Address: 489 Yorbita Rd #B, La Puente, CA 91744 USA  
Manufacturer: Vina International Holdings LTD  
Address: 101-2,201-2, D building, No.26 East Chang Long RD, FuChengAo, Pinghu Town, LongGang 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: 2024-12-31  
Sample Tested Date: 2024-12-31 to 2025-01-08  
Report No.: BCTC2501296787-2E  
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

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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(Note: N/A Means Not Applicable)

BCTC  
BCTC  
PPR  
Report

**1. Version**

| Report No.        | Issue Date | Description | Approved |
|-------------------|------------|-------------|----------|
| BCTC2501296787-2E | 2025-05-26 | Original    | Valid    |

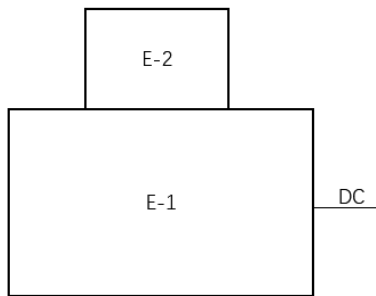
## 2. Product Information

### 2.1 Product Information

|                       |                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model/Type reference: | GI-PB10K-C1-WH                                                                                                                                                           |
| Model differences:    | N/A                                                                                                                                                                      |
| Hardware Version:     | N/A                                                                                                                                                                      |
| Software Version:     | N/A                                                                                                                                                                      |
| Type of Modulation:   | ASK                                                                                                                                                                      |
| Operation Frequency:  | 112-205KHz<br>300-350KHz                                                                                                                                                 |
| Antenna installation: | Loop coil antenna                                                                                                                                                        |
| Ratings:              | USB-C(Input): 5V=3A or 9V=2A or 12V=1.5A(18W)<br>USB-C(Output): 5V=3A or 9V=2.22A or 10V=2.25A or 12V=1.67A(Max)<br>Wireless Output: 15W(Max)<br>Watch Output: 2.5W(Max) |
| Battery:              | DC 3.85V, 10000mAh                                                                                                                                                       |

### 2.2 Support Equipment

| No. | Device Type                  | Brand | Model             | Series No. | Note       |
|-----|------------------------------|-------|-------------------|------------|------------|
| E-1 | Wireless mobile power supply | N/A   | GI-PB10K-C1-WH    | N/A        | EUT        |
| E-2 | Dummy load                   | N/A   | DL01              | N/A        | Dummy load |
| E-3 | Adapter                      | N/A   | KA3601A-1252880US | 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) |
|         | 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.

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<br>-ic radiation<br>tester | Wavecontrol  | SMP160  | 19SN0980       | May 16, 2024 | May 15, 2025 |
| Electromagne-<br>tic field probe         | Wavecontrol  | WP400-3 | 20WP120082     | May 16, 2024 | May 15, 2025 |
| Software                                 | Frad         | EZ-EMC  | EMC-CON<br>3A1 | \            | \            |

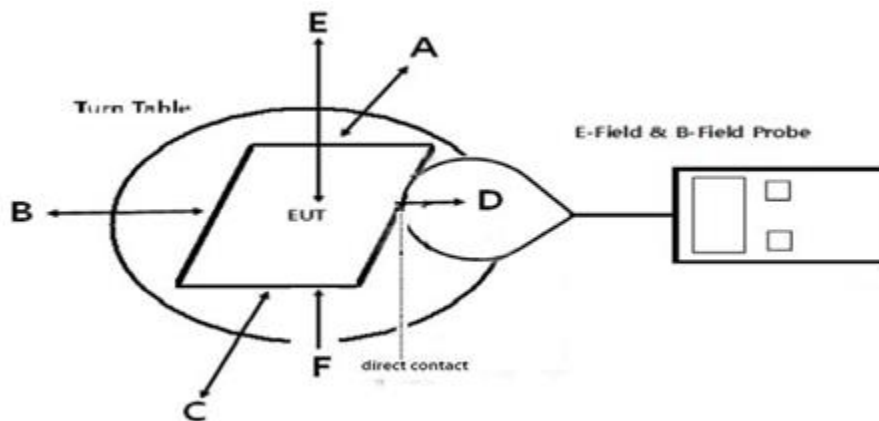
## 4. Method Of Measurement

### 4.1 Applicable Standard

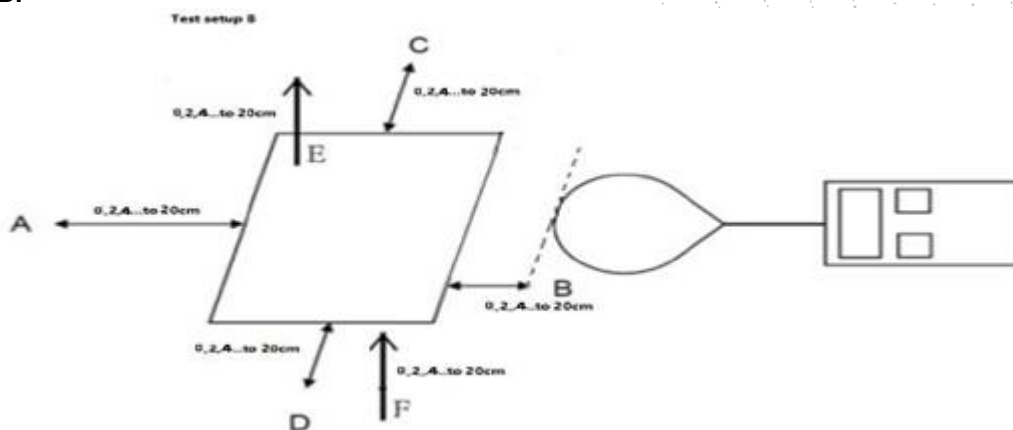
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According 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 <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> 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 <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> 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

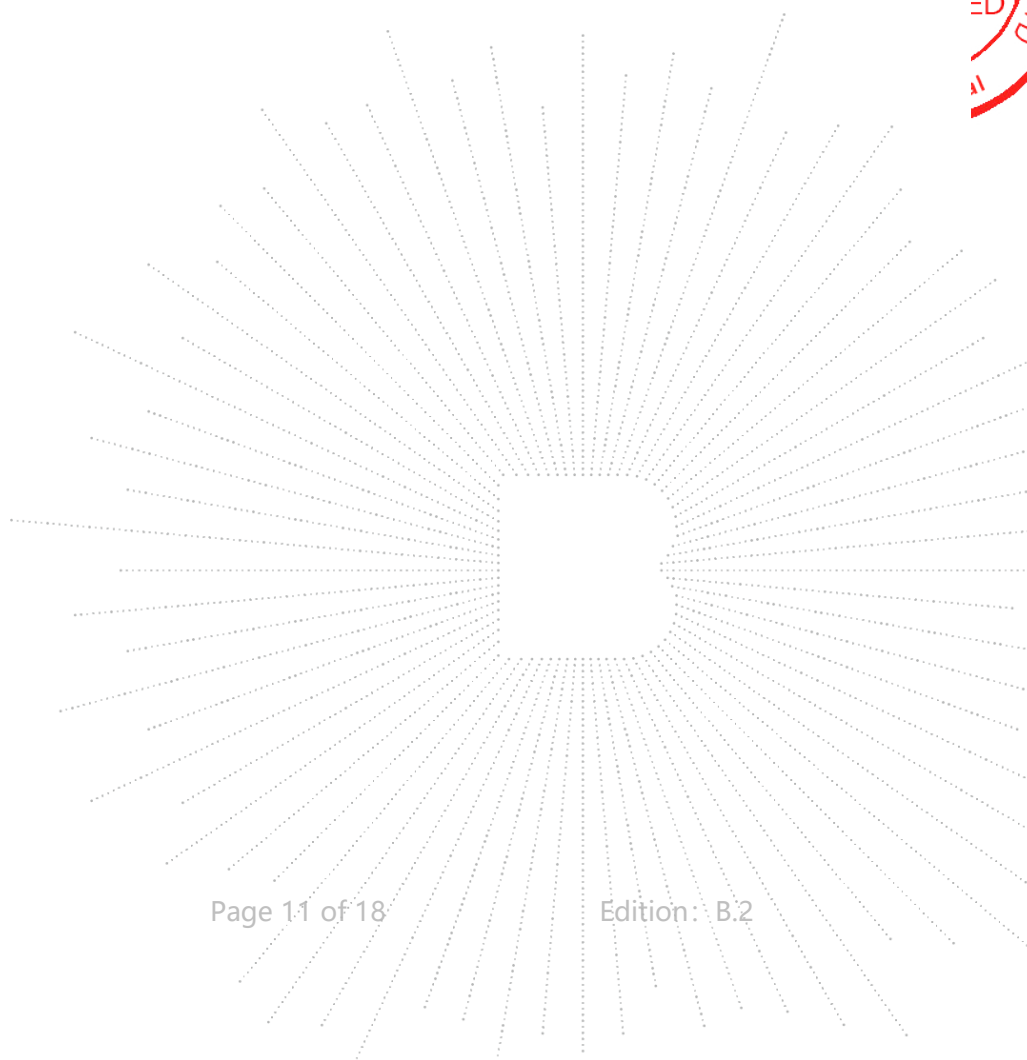
Mobile: Test Mode 1 (the worst mode) Frequency Range (MHz): 0.112-0.205(The data)

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           | 0.483               | 0.482               | 0.483               | 0.505               | 0.498               | 0.480                 |

| 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           | 0.386                | 0.386                | 0.386                | 0.404                | 0.399                | 0.384                  | 0.814                 | 1.63              |

Note:A/m=uT÷1.25



Portable: Test Mode 1 (the worst mode) Frequency Range (MHz): 0.112-0.205(The data)

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                  | 0.1396              | 0.1038              | 0.0918              | 0.1168              | 0.0568              | 0.0575              |
| 4                  | 0.0290              | 0.0310              | 0.0206              | 0.0360              | 0.0084              | 0.0143              |
| 6                  | 0.0253              | 0.0139              | 0.015               | 0.0196              | 0.0121              | 0.0123              |
| 8                  | 0.0194              | 0.0089              | 0.0094              | 0.0138              | 0.0084              | 0.0095              |
| 10                 | 0.0191              | 0.0086              | 0.0095              | 0.0131              | 0.0083              | 0.0093              |
| 12                 | 0.0182              | 0.0077              | 0.0089              | 0.0138              | 0.0077              | 0.0089              |
| 14                 | 0.0185              | 0.0083              | 0.0087              | 0.0131              | 0.0078              | 0.0086              |
| 16                 | 0.0187              | 0.0085              | 0.0083              | 0.0128              | 0.0085              | 0.0084              |
| 18                 | 0.0183              | 0.0086              | 0.0089              | 0.0135              | 0.0073              | 0.0083              |
| 20                 | 0.0192              | 0.0088              | 0.0092              | 0.0135              | 0.0077              | 0.0095              |

| 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                  | 0.1117               | 0.0830               | 0.0734               | 0.0934               | 0.0454               | 0.0460               | 1.63         |
| 4                  | 0.0232               | 0.0248               | 0.0165               | 0.0288               | 0.0067               | 0.0114               | 1.63         |
| 6                  | 0.0202               | 0.0111               | 0.0120               | 0.0157               | 0.0097               | 0.0098               | 1.63         |
| 8                  | 0.0155               | 0.0071               | 0.0075               | 0.0110               | 0.0067               | 0.0076               | 1.63         |
| 10                 | 0.0153               | 0.0069               | 0.0076               | 0.0105               | 0.0066               | 0.0074               | 1.63         |
| 12                 | 0.0146               | 0.0062               | 0.0071               | 0.0110               | 0.0062               | 0.0071               | 1.63         |
| 14                 | 0.0148               | 0.0066               | 0.0070               | 0.0105               | 0.0062               | 0.0069               | 1.63         |
| 16                 | 0.0150               | 0.0068               | 0.0066               | 0.0102               | 0.0068               | 0.0067               | 1.63         |
| 18                 | 0.0146               | 0.0069               | 0.0071               | 0.0108               | 0.0058               | 0.0066               | 1.63         |
| 20                 | 0.0154               | 0.0070               | 0.0074               | 0.0108               | 0.0062               | 0.0076               | 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%     | 0.4563               | 0.3391               | 0.2999               | 0.3816               | 0.2359               | 0.2390               | 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%     | 0.0948               | 0.1013               | 0.0674               | 0.1177               | 0.0348               | 0.0592               | 1.63         |

Agreement Ratio

Distance: 2cm

| Mode 1            |                     |                |                 |       |
|-------------------|---------------------|----------------|-----------------|-------|
| Test Position     | Measure Value (A/m) | Valuation(A/m) | Agreement ratio | Limit |
| Point A           | 0.1117              | 0.0948         | 16.37%          | 30%   |
| Point B           | 0.0830              | 0.1013         | 19.86%          | 30%   |
| Point C           | 0.0734              | 0.0674         | 8.52%           | 30%   |
| Point D           | 0.0934              | 0.1177         | 23.02%          | 30%   |
| Point E           | 0.0454              | 0.0348         | 26.43%          | 30%   |
| Point F           | 0.0460              | 0.0592         | 25.10%          | 30%   |
| Test result: Pass |                     |                |                 |       |

Mobile: Test Mode 1 (the worst mode) Frequency Range (MHz): 0.300-0.350(The data)

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           | 0.481               | 0.519               | 0.497               | 0.466               | 0.474               | 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           | 0.385                | 0.416                | 0.398                | 0.373                | 0.380                | 0.388                  | 0.385                 | 1.63              |

Note:A/m=uT÷1.25



Portable: Test Mode 1 (the worst mode) Frequency Range (MHz): 0.300-0.350(The data)

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                  | 0.1385              | 0.1039              | 0.0931              | 0.1158              | 0.0563              | 0.0569              |
| 4                  | 0.0415              | 0.0326              | 0.0286              | 0.0370              | 0.0143              | 0.0130              |
| 6                  | 0.0251              | 0.0144              | 0.0161              | 0.0186              | 0.0119              | 0.0113              |
| 8                  | 0.0194              | 0.0090              | 0.0105              | 0.0131              | 0.0074              | 0.0075              |
| 10                 | 0.0188              | 0.0078              | 0.0094              | 0.0126              | 0.0074              | 0.0072              |
| 12                 | 0.0190              | 0.0088              | 0.0095              | 0.0129              | 0.0066              | 0.0076              |
| 14                 | 0.0196              | 0.0078              | 0.0106              | 0.0121              | 0.0063              | 0.0068              |
| 16                 | 0.0186              | 0.0085              | 0.0101              | 0.0123              | 0.0062              | 0.0072              |
| 18                 | 0.0193              | 0.0079              | 0.0104              | 0.0124              | 0.0073              | 0.0070              |
| 20                 | 0.0182              | 0.0087              | 0.0106              | 0.0119              | 0.0070              | 0.0064              |

| 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                  | 0.1108               | 0.0831               | 0.0745               | 0.0926               | 0.0450               | 0.0455               | 1.63         |
| 4                  | 0.0332               | 0.0261               | 0.0229               | 0.0296               | 0.0114               | 0.0104               | 1.63         |
| 6                  | 0.0201               | 0.0115               | 0.0129               | 0.0149               | 0.0095               | 0.0090               | 1.63         |
| 8                  | 0.0155               | 0.0072               | 0.0084               | 0.0105               | 0.0059               | 0.0060               | 1.63         |
| 10                 | 0.0150               | 0.0062               | 0.0075               | 0.0101               | 0.0059               | 0.0058               | 1.63         |
| 12                 | 0.0152               | 0.0070               | 0.0076               | 0.0103               | 0.0053               | 0.0061               | 1.63         |
| 14                 | 0.0157               | 0.0062               | 0.0085               | 0.0097               | 0.0050               | 0.0054               | 1.63         |
| 16                 | 0.0149               | 0.0068               | 0.0081               | 0.0098               | 0.0050               | 0.0058               | 1.63         |
| 18                 | 0.0154               | 0.0063               | 0.0083               | 0.0099               | 0.0058               | 0.0056               | 1.63         |
| 20                 | 0.0146               | 0.0070               | 0.0085               | 0.0095               | 0.0056               | 0.0051               | 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%     | 1.7135               | 1.2851               | 1.1521               | 1.4320               | 0.2853               | 0.2885               | 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%     | 0.1356               | 0.1066               | 0.0936               | 0.1209               | 0.0592               | 0.0540               | 1.63         |

Agreement Ratio

Distance: 2cm

| Mode 1            |                     |                |                 |       |
|-------------------|---------------------|----------------|-----------------|-------|
| Test Position     | Measure Value (A/m) | Valuation(A/m) | Agreement ratio | Limit |
| Point A           | 0.1108              | 0.1356         | 20.13%          | 30%   |
| Point B           | 0.0831              | 0.1066         | 24.78%          | 30%   |
| Point C           | 0.0745              | 0.0936         | 22.72%          | 30%   |
| Point D           | 0.0926              | 0.1209         | 26.51%          | 30%   |
| Point E           | 0.0450              | 0.0592         | 27.26%          | 30%   |
| Point F           | 0.0455              | 0.0540         | 17.09%          | 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:**

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

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: <http://www.chnbctc.com>

Consultation E-mail: [bctc@bctc-lab.com.cn](mailto:bctc@bctc-lab.com.cn)

Complaint/Advice E-mail: [advice@bctc-lab.com.cn](mailto:advice@bctc-lab.com.cn)

\*\*\*\*\* END \*\*\*\*\*