

# TEST REPORT

Report No.: **BCTC2506018653E**

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Applicant: **Shenzhen Kuxiu Communication Co., Ltd.**

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Product Name: **Ultra-Slim Magnetic Power Bank**

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Test Model: **B10**

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Tested Date: **2025-06-11 to 2025-06-23**

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Issued Date: **2025-06-23**

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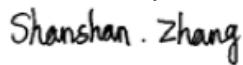
**Shenzhen BCTC Testing Co., Ltd.**



**FCC ID: 2A698-B10**

Product Name: Ultra-Slim Magnetic Power Bank  
Trademark: KU XIU  
Model/Type Reference: B10  
B10Q, B16, B18, B20, J11, J16, J20  
Prepared For: Shenzhen Kuxiu Communication Co., Ltd.  
Address: Room 301, Bldg. 8, Minle Ind. Zone, Minle Community, Minzhi Str., Longhua Dist., Shenzhen Guangdong, China  
Manufacturer: Shenzhen Kuxiu Communication Co., Ltd.  
Address: Room 301, Bldg. 8, Minle Ind. Zone, Minle Community, Minzhi Str., Longhua Dist., Shenzhen Guangdong, 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: 2025-06-11  
Sample Tested Date: 2025-06-11 to 2025-06-23  
Issue Date: 2025-06-23  
Report No.: BCTC2506018653E  
Test Standards: FCC CFR 47 part1, 1.1307(b), 1.1310  
FCC CFR 47 part2, 2.1091  
KDB680106 D01v04: RF Exposure Wireless Charging Apps 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)

## 1. Version

Report No.	Issue Date	Description	Approved
BCTC2506018653E	2025-06-23	Original	Valid

## 2. Product Information

### 2.1 Product Information

Model/Type Reference: B10  
 B10Q, B16, B18, B20, J11, J16, J20  
 Model Differences: All models were in same PCB layout and internal structure, no Electromagnetic Compatibility and radio function changed, Only the product name and appearance color difference for commercial purpose  
 Hardware Version: N/A  
 Software Version: N/A  
 Operation Frequency: 112-148kHz  
 Modulation: ASK  
 Antenna installation: loop coil antenna  
 Rating: DC 3.7V

### 2.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Ultra-Slim Magnetic Power Bank	KU XIU	B10	---	EUT
E-2	Adapter	UGREEN	CD122	---	Auxiliary
E-3	Phone	XIAOMI	Mi 11 Pro	---	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

Test Mode 1	Phone 15W(112-148kHz)
Test Mode 2	Adapter+Phone 5W(112-148kHz)

#### Note:

1. All test mode were tested and passed, only shows the worst case mode which were recorded in this report.
2. When the EUT is in charging mode, the wireless output only support 5W.

### 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.
Magnetic Amplitude and Gradient Probe System	Schmid & Partner Engineering AG	MAGPy-8H3D+E3D V2	3077	2024-12-11	2025-12-10
Magnetic Amplitude and Gradient Probe System	Schmid & Partner Engineering AG	MAGPy-DAS V2	3066	2024-12-11	2025-12-10
Software	Schmid & Partner Engineering AG	MAGPy 2.8	2.8.1	/	/

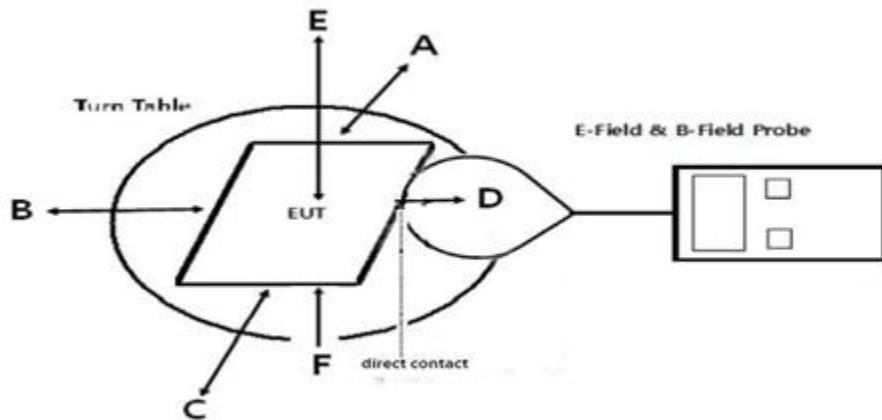
## 4. Method Of Measurement

### 4.1 Applicable Standard

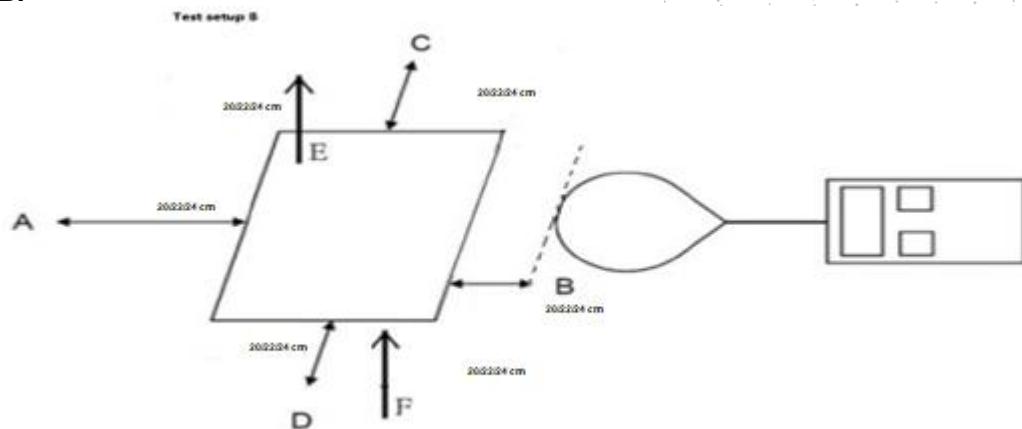
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According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

- a)The RF exposure test was performed in anechoic chamber.
- b)The measurement probe was placed at 0 cm surrounding the device for test setup A; and the measurement Probe was placed at 20/22/24 cm for the test setup B.
- c)The highest emission level was recorded and compared with limit as soon as measurement of each
- d)The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- d)The EUT was measured according to the dictates of KDB680106 D01v04
- f)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 112-148kHz.

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 2

H-Field Strength at 20 cm surrounding the EUT and 20cm above the top surface of the EUT  
(We measured the distance of 20cm, 22cm and 24cm, and recorded the test data of the worst 20cm.)

Test mode	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)
Full Load	0.12	0.20	0.08	0.08	0.06	0.11	0.815	1.63

E-Field Strength at 20 cm surrounding the EUT and 20cm above the top surface of the EUT  
(We measured the distance of 20cm, 22cm and 24cm, and recorded the test data of the worst 20cm.)

Test mode	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)
Full Load	0.09	0.10	0.08	0.07	0.13	0.07	307	614

Portable: Test Mode 1

H-Field Strength at 0 cm surrounding the EUT and 0 above the top surface of the EUT

Test mode	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)
Full Load	0.62	1.58	1.47	1.46	1.39	1.09	0.815	1.63

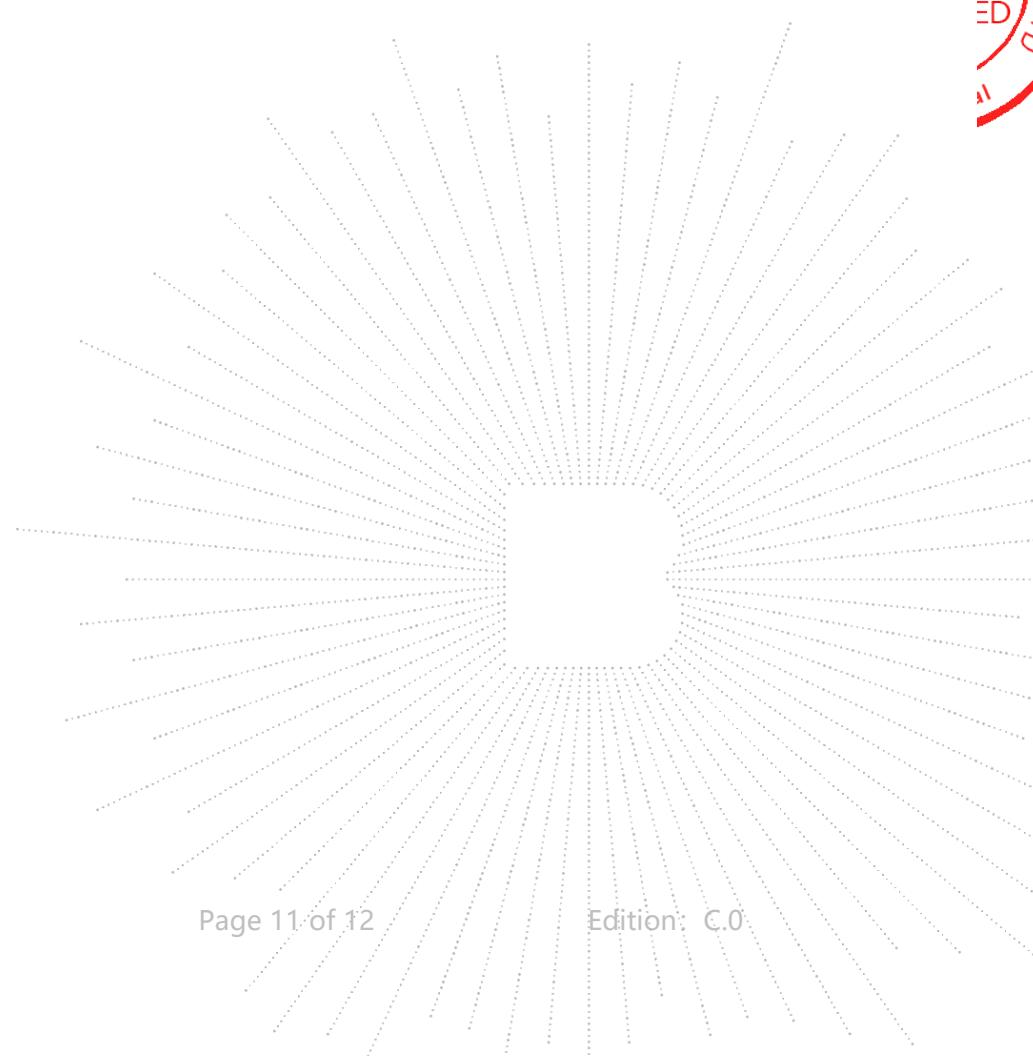
E-Field Strength at 0 cm surrounding the EUT and 0 above the top surface of the EUT

Test mode	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)
Full Load	0.64	0.58	1.01	0.96	1.39	0.22	307	614

## 5. Photographs Of Test Set-Up

NOTE: Appendix-Test Photos

STING  
C  
ED  
N



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

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