

# RF EXPOSURE Test Report

**Product:** Traveling Wireless Power Bank

**Trade Mark:** KU XIU

**Model Number:** K1 ULTRA

**FCC ID:** 2A698-K1ULTRA

**Prepared for**

Shenzhen Kuxiu Communication Co., Ltd.  
Rm.301, Bldg.8, Minle Ind. Zone, Minzhi Str., Minle Community, Longhua  
Dist., Shenzhen Guangdong, China

**Prepared by**

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## TEST RESULT CERTIFICATION

**Applicant's Name** ..... : Shenzhen Kuxiu Communication Co., Ltd.  
**Address** ..... : Rm.301, Bldg.8, Minle Ind. Zone, Minzhi Str., Minle Community,  
Longhua Dist., Shenzhen Guangdong, China  
**Manufacturer's Name** ..... : Shenzhen Kuxiu Communication Co., Ltd.  
**Address** ..... : Rm.301, Bldg.8, Minle Ind. Zone, Minzhi Str., Minle Community,  
Longhua Dist., Shenzhen Guangdong, China

### Product description

**Product name** ..... : Traveling Wireless Power Bank  
**Model Number** ..... : K1 ULTRA

**Standards** ..... : FCC CFR 47 PART 1 , 1.1310

**Test procedure** ..... : KDB 680106 D01 Wireless Power Transfer v04

This device described above has been tested by Shenzhen HongBiao Certification& Testing Co., Ltd and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

**Date of Test** ..... :

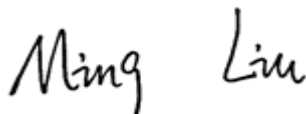
**Date (s) of performance of tests** ..... : Oct. 30, 2025~Nov. 19, 2025

**Test Result** ..... : **Pass**

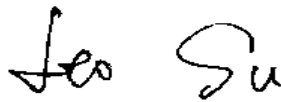
**Testing Engineer** :

  
( Z o e S u )

**Technical Manager** :

  
( M i n g L i u )

**Authorized Signatory** :

  
( L e o S u )

[illegible]

# 1 General Description

## 1.1 Description of EUT

|                            |                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name:              | Traveling Wireless Power Bank                                                                                                                                                                                                                                                |
| Model name:                | K1 ULTRA                                                                                                                                                                                                                                                                     |
| Series Model:              | K1 TURBO, K1 PROMAX, K1S, K1 MAX                                                                                                                                                                                                                                             |
| Different of series model: | All the models are the same circuit and module, except the colour and model No..                                                                                                                                                                                             |
| Operation frequency:       | Phone: 127-205kHz, 360kHz<br>Earbuds: 127-205kHz<br>Watch: 326.5kHz, 1778kHz                                                                                                                                                                                                 |
| Operational mode:          | Wireless charging                                                                                                                                                                                                                                                            |
| Modulation type:           | ASK                                                                                                                                                                                                                                                                          |
| Antenna type:              | Coil Antenna                                                                                                                                                                                                                                                                 |
| Hardware version:          | V1.0                                                                                                                                                                                                                                                                         |
| Software version:          | V1.0                                                                                                                                                                                                                                                                         |
| Battery:                   | 5000mAh/7.74VDC/38.7Wh                                                                                                                                                                                                                                                       |
| Power supply:              | Capacity: 5000mAh/7.74VDC/38.7Wh<br>Rated Capacity: 6000mAh(5V=2.4A)<br>USB-C Input: 5V=3A, 9V=3A,12V=2.5A,15V=2A<br>USB-C Output: 5V=3A, 9V=3A,12V=2.5A,15V=2A<br>Wireless Output For Phone: 25W Max<br>For Watch: 5W Max<br>For Earbuds: 5W Max<br>Total Output: 5V=3A Max |
| Adapter information:       | N/A                                                                                                                                                                                                                                                                          |

## 1.2 Test Mode

| Pretest Test Mode | Description of Mode                                        |
|-------------------|------------------------------------------------------------|
| 1                 | Wireless Output Phone: 25W                                 |
| 2                 | AC/DC Adapter + Wireless Output (Earbuds: 5W+ Watch: 2.5W) |
| 3                 | AC/DC Adapter + Wireless Output (Earbuds: 5W+ Watch: 5W)   |
| 4                 | AC/DC Adapter + Wireless Output (Phone: 5W+ Watch: 2.5W)   |
| 5                 | AC/DC Adapter + Wireless Output (Phone: 7.5W+ Watch: 2.5W) |
| 6                 | AC/DC Adapter + Wireless Output (Phone: 10W+ Watch: 2.5W)  |
| 7                 | AC/DC Adapter + Wireless Output (Phone: 15W+ Watch: 2.5W)  |

|    |                                                          |
|----|----------------------------------------------------------|
| 8  | AC/DC Adapter + Wireless Output (Phone: 5W+ Watch: 5W)   |
| 9  | AC/DC Adapter + Wireless Output (Phone: 7.5W+ Watch: 5W) |
| 10 | AC/DC Adapter + Wireless Output (Phone: 10W+ Watch: 5W)  |
| 11 | AC/DC Adapter + Wireless Output (Phone: 15W+ Watch: 5W)  |
| 12 | Wireless Output (Earbuds: 5W+ Watch: 2.5W)               |
| 13 | Wireless Output (Earbuds: 5W+ Watch: 5W)                 |
| 14 | Wireless Output (Phone: 5W+ Watch: 2.5W)                 |
| 15 | Wireless Output (Phone: 7.5W+ Watch: 2.5W)               |
| 16 | Wireless Output (Phone: 10W+ Watch: 2.5W)                |
| 17 | Wireless Output (Phone: 15W+ Watch: 2.5W)                |
| 18 | Wireless Output (Phone: 5W+ Watch: 5W)                   |
| 19 | Wireless Output (Phone: 7.5W+ Watch: 5W)                 |
| 20 | Wireless Output (Phone: 10W+ Watch: 5W)                  |
| 21 | Wireless Output (Phone: 15W+ Watch: 5W)                  |

### 1.3 Test Setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

### 1.4 Ancillary Equipment

| Equipment | Model         | S/N                      | Manufacturer                                      |
|-----------|---------------|--------------------------|---------------------------------------------------|
| Adapter   | TA65B         | 2S36003438<br>PL97T09582 | Nanjing Bolande Electronic<br>Technology Co., Ltd |
| Load      | YBZ1.1        | 86631yp378-<br>220519    | YBZ                                               |
| Phone     | iPhone 12 Pro | DNPF9UL20<br>D9L         | Apple Inc.                                        |

## 2 Test Facilities and Accreditations

### 2.1 Test Laboratory

|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site             | Shenzhen HongBiao Certification& Testing Co., Ltd                                                                                                 |
| Test Site Location    | Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, China |
| Telephone:            | (86-755) 2998 9321                                                                                                                                |
| Fax:                  | (86-755) 2998 5110                                                                                                                                |
| FCC Registration No.: | CN1341                                                                                                                                            |
| A2LA Certificate No.: | 6765.01                                                                                                                                           |

### 2.2 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

|                    |              |
|--------------------|--------------|
| Temperature:       | 15°C~35°C    |
| Relative Humidity: | 20%~75%      |
| Air Pressure:      | 98kPa~101kPa |

### 2.3 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

The data and results quoted in this document are true and accurate values, and uncertainties are not involved in the calculations.

In addition, components and mass production processes that are similar to testing equipment may introduce additional deviations, and the manufacturer is solely responsible for the continued compliance of the equipment.

| Measurement Frequency Range | U, (dB)            | Note |
|-----------------------------|--------------------|------|
| RF frequency                | $2 \times 10^{-5}$ |      |
| E-field                     | $\pm 2.5$ dB       |      |
| H-field                     | $\pm 4.2$ dB       |      |
| Temperature                 | $\pm 1$ degree     |      |
| Humidity                    | $\pm 5$ %          |      |

### 2.4 Test Software

| Software name | Manufacturer                    | Model      | Version |
|---------------|---------------------------------|------------|---------|
| MAGPy V2.6    | Schmid & Partner Engineering AG | MAGPy V2.6 | V2.6    |

3 List of Test Equipment

| Item | Equipment No. | Equipment name                               | Manufacture r                   | Model           | Serial No. | Calibration date | Due date   |
|------|---------------|----------------------------------------------|---------------------------------|-----------------|------------|------------------|------------|
| 1    | HB-E077       | Magnetic Amplitude and Gradient Probe System | Schmid & Partner Engineering AG | MAGPy -8H3D+E3D | 3107       | 2024-03-15       | 2026-03-14 |
| 2    | HB-E078       | Magnetic Amplitude and Gradient Probe System | Schmid & Partner Engineering AG | MAGPy-DAS       | 3097       | 2024-03-15       | 2026-03-14 |

Note: the calibration interval of the above test instruments is 24 months and the calibrations are traceable to international system unit (SI).

## 4 RF Exposure

### 4.1 Maximum Permissible Exposure

#### 4.1.1. Limit

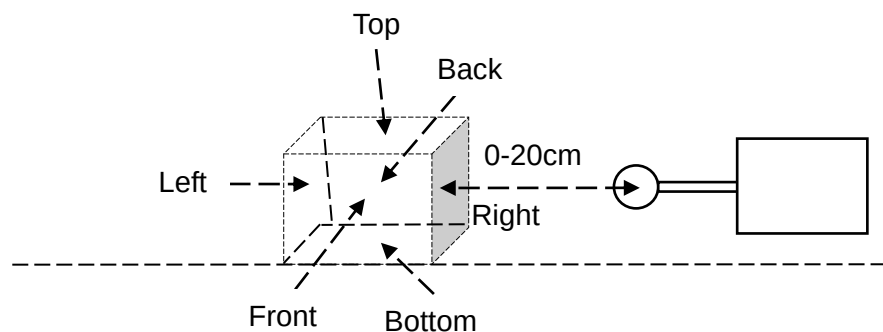
| Frequency range(MHz)                                    | Electric field strength(V/m) | Magnetic field strength(A/m) | Power density(mW/cm <sup>2</sup> ) | Averaging time(minutes) |
|---------------------------------------------------------|------------------------------|------------------------------|------------------------------------|-------------------------|
| (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 <sup>2</sup>                | 6                       |
| 30-300                                                  | 61.4                         | 0.163                        | 1.0 6                              | 6                       |
| 300-1500                                                |                              |                              | f/300                              | 6                       |
| 1500-100000                                             |                              |                              | 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 <sup>2</sup>                | 30                      |
| 30-300                                                  | 27.5                         | 0.073                        | 0.2                                | 30                      |
| 300-1500                                                |                              |                              | f/1500                             | 30                      |
| 1500-100000                                             |                              |                              | 1                                  | 30                      |

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

#### 4.1.2. Test Procedures

- 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.

#### 4.1.3. Test Setup



#### 4.1.4. Test Result

For portable exposure condition:

Operating modes with client device (1 %, 50%, 99% battery status of client device) have been test, only show the data of worst case of 1% battery status of client device.

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each edge/top surface of the host/client pair were also evaluated for portable use conditions. The report reflects data for the worst 0 cm test distance mode only.

Test condition 1: Mode 6 operating mode with client device (1 % battery status of client device).

Measurement results directly tested using MAGPy.

| Maximum permissible Exposure(Phone: 127-205kHz + Watch: 326.5kHz) |            |                   |               |              |
|-------------------------------------------------------------------|------------|-------------------|---------------|--------------|
| Battery levels                                                    | Test sides | Test distance(cm) | E –field(V/m) | H–field(A/m) |
| <1%                                                               | Top        | 0                 | 48.9          | 0.53         |
| <1%                                                               | Left       | 0                 | 27.7          | 0.45         |
| <1%                                                               | Right      | 0                 | 4.09          | 0.54         |
| <1%                                                               | Front      | 0                 | 3.62          | 0.76         |
| <1%                                                               | Back       | 0                 | 20.8          | 0.44         |
| <1%                                                               | Bottom     | 0                 | 38.1          | 1.4          |
| Limit                                                             |            |                   | 614           | 1.63         |
| Margin Limit (%)                                                  |            |                   | 7.96%         | 85.89%       |

When setting MAGPy to select compliance location as probe tip, the measured value is extrapolated to 0mm as the result.

| Maximum permissible Exposure(Phone: 127-205kHz + Watch: 326.5kHz) |            |                   |               |              |
|-------------------------------------------------------------------|------------|-------------------|---------------|--------------|
| Battery levels                                                    | Test sides | Test distance(cm) | E –field(V/m) | H–field(A/m) |
| <1%                                                               | Top        | 0                 | 19.7          | 0.68         |
| <1%                                                               | Left       | 0                 | 23            | 0.55         |
| <1%                                                               | Right      | 0                 | 14.3          | 0.74         |
| <1%                                                               | Front      | 0                 | 4.22          | 0.86         |
| <1%                                                               | Back       | 0                 | 20.2          | 0.42         |
| <1%                                                               | Bottom     | 0                 | 22.8          | 1.5          |
| Limit                                                             |            |                   | 614           | 1.63         |
| Margin Limit (%)                                                  |            |                   | 3.75%         | 92.02%       |

Test condition 2: Mode 11 operating mode with client device (1 % battery status of client device).  
Measurement results directly tested using MAGPy.

| Maximum permissible Exposure(Phone: 360kHz + Watch: 1778kHz) |            |                   |               |              |
|--------------------------------------------------------------|------------|-------------------|---------------|--------------|
| Battery levels                                               | Test sides | Test distance(cm) | E –field(V/m) | H–field(A/m) |
| <1%                                                          | Top        | 0                 | 8.5           | 0.29         |
| <1%                                                          | Left       | 0                 | 119           | 0.24         |
| <1%                                                          | Right      | 0                 | 10            | 0.19         |
| <1%                                                          | Front      | 0                 | 18            | 0.25         |
| <1%                                                          | Back       | 0                 | 17.4          | 0.33         |
| <1%                                                          | Bottom     | 0                 | 26.3          | 0.13         |
| Limit                                                        |            |                   | 614           | 1.63         |
| Margin Limit (%)                                             |            |                   | 19.38%        | 20.25%       |

When setting MAGPy to select compliance location as probe tip, the measured value is extrapolated to 0mm as the result.

| Maximum permissible Exposure(Phone: 360kHz + Watch: 1778kHz) |            |                   |               |              |
|--------------------------------------------------------------|------------|-------------------|---------------|--------------|
| Battery levels                                               | Test sides | Test distance(cm) | E –field(V/m) | H–field(A/m) |
| <1%                                                          | Top        | 0                 | 168           | 0.37         |
| <1%                                                          | Left       | 0                 | 135           | 1.41         |
| <1%                                                          | Right      | 0                 | 10.3          | 0.99         |
| <1%                                                          | Front      | 0                 | 30.8          | 1.11         |
| <1%                                                          | Back       | 0                 | 17.5          | 1.46         |
| <1%                                                          | Bottom     | 0                 | 12.9          | 0.39         |
| Limit                                                        |            |                   | 614           | 1.63         |
| Margin Limit (%)                                             |            |                   | 27.36%        | 89.57%       |

Test condition 3: Mode 2 operating mode with client device (1 % battery status of client device).  
Measurement results directly tested using MAGPy.

| Maximum permissible Exposure(Earbuds: 127-205kHz + Watch: 326.5kHz) |            |                   |               |              |
|---------------------------------------------------------------------|------------|-------------------|---------------|--------------|
| Battery levels                                                      | Test sides | Test distance(cm) | E –field(V/m) | H–field(A/m) |
| <1%                                                                 | Top        | 0                 | 46.2          | 1.24         |
| <1%                                                                 | Left       | 0                 | 29.9          | 0.54         |
| <1%                                                                 | Right      | 0                 | 8.71          | 1.03         |
| <1%                                                                 | Front      | 0                 | 8.32          | 1.02         |
| <1%                                                                 | Back       | 0                 | 8.66          | 0.19         |
| <1%                                                                 | Bottom     | 0                 | 25            | 1.45         |
| Limit                                                               |            |                   | 614           | 1.63         |
| Margin Limit (%)                                                    |            |                   | 7.52%         | 88.96%       |

When setting MAGPy to select compliance location as probe tip, the measured value is extrapolated to 0mm as the result.

| Maximum permissible Exposure(Earbuds: 127-205kHz + Watch: 326.5kHz) |            |                   |               |              |
|---------------------------------------------------------------------|------------|-------------------|---------------|--------------|
| Battery levels                                                      | Test sides | Test distance(cm) | E –field(V/m) | H–field(A/m) |
| <1%                                                                 | Top        | 0                 | 50.6          | 1.12         |
| <1%                                                                 | Left       | 0                 | 30.3          | 1.36         |
| <1%                                                                 | Right      | 0                 | 8.41          | 1.14         |
| <1%                                                                 | Front      | 0                 | 9.2           | 1.06         |
| <1%                                                                 | Back       | 0                 | 8.11          | 1.48         |
| <1%                                                                 | Bottom     | 0                 | 22.6          | 1.08         |
| Limit                                                               |            |                   | 614           | 1.63         |
| Margin Limit (%)                                                    |            |                   | 8.24%         | 90.80%       |

5 Photographs of the Test Setup

| Phone + Watch |                                                                                      |
|---------------|--------------------------------------------------------------------------------------|
| Photo 1       |                                                                                      |
|               |   |
| Photo 2       |                                                                                      |
|               |  |

Photo 3



Photo 4

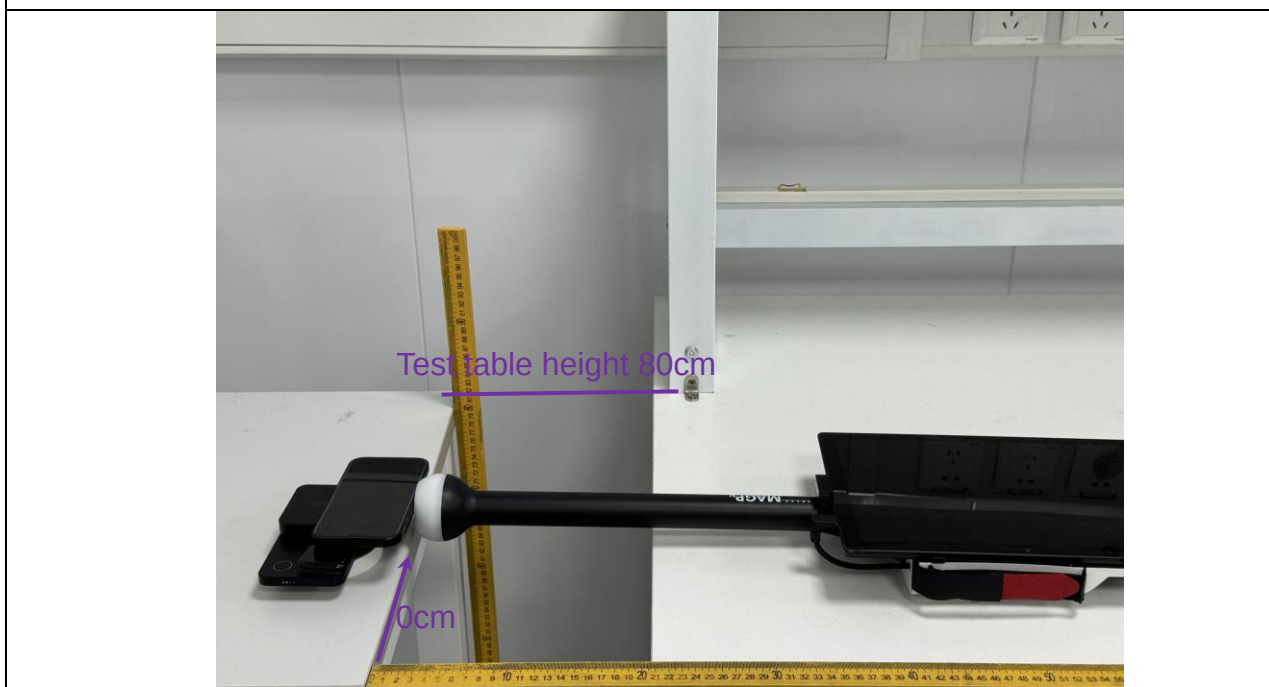


Photo 5



Photo 6



Photo 7



Photo 8



| Earbuds + Watch |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| Photo 9         |                                                                                      |
|                 |   |
| Photo 10        |                                                                                      |
|                 |  |

Photo 11



Photo 12



Photo 13



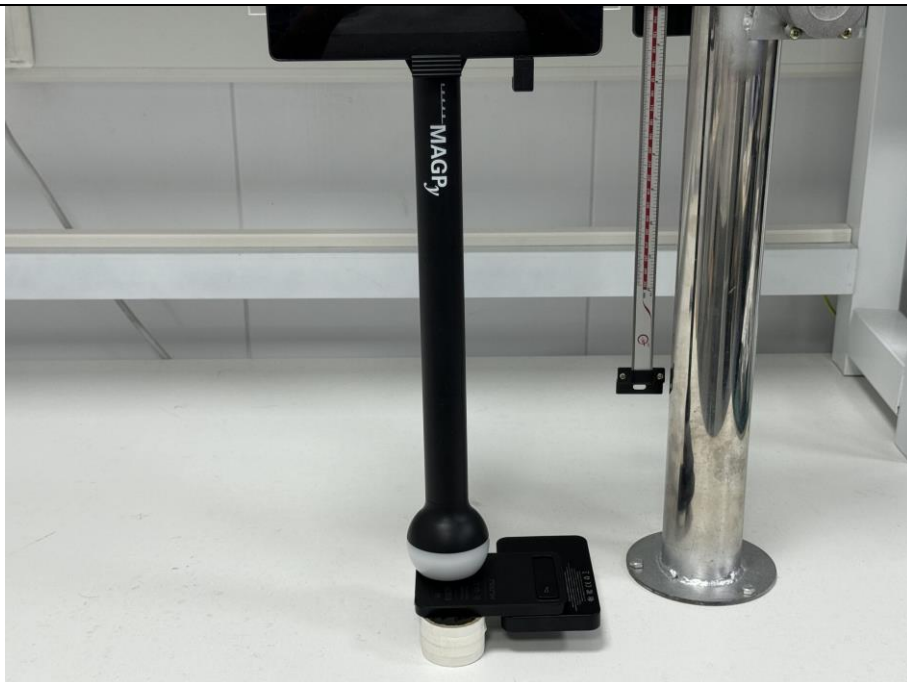
Photo 14



Photo 15



Photo 16



\*\*\*\*\* END OF REPORT \*\*\*\*\*