



## RF EXPOSURE REPORT

Product Name: Card Reader  
FCC ID: 2AHCR-ACRCRM11  
Trademark: **Akuvox**  
Model Number: ACR-CRM11  
Prepared For: AKUVOX (XIAMEN) NETWORKS CO., LTD.  
Address: 10/F, No.56 Guanri Road , Software Park II, Xiamen 361009, China  
Manufacturer: AKUVOX (XIAMEN) NETWORKS CO., LTD.  
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Sample Received Date: Nov. 14, 2024  
Sample tested Date: Nov. 14, 2024 to Nov. 21, 2024  
Issue Date: Nov. 21, 2024  
Report No.: CTB24111401803RF04  
Test Standards: FCC CFR 47 part1, 1.1307(b), 1.1310, 47 CFR§2.1091;  
KDB 680106 D01 Wireless Power Transfer v04  
Test Results: PASS  
Remark: This is wireless charger EMF report.

Compiled by:

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Approved by:

Bin Mei / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. 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 CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "\*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

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## 1. GENERAL INFORMATION

### 1.1. Test Supporting System

DC power

Description : DC power

Model No. : LONGWEI

Power Input : DC 12V

DC Line : Unshielded, Detachable 1.2m

## 2.LIST OF TEST AND MEASUREMENT INSTRUMENTS

### 2.1. For conducted emission at the mains terminals test

| Item | Equipment  | Brand       | Model No.          | Serial No.               | Last calibration | Calibrated until |
|------|------------|-------------|--------------------|--------------------------|------------------|------------------|
| 1    | EMF TESTER | Wavecontrol | SMP600/WP4<br>00-3 | 15SN0164/21W<br>P1200029 | 2024/11/30       | 2025/11/29       |

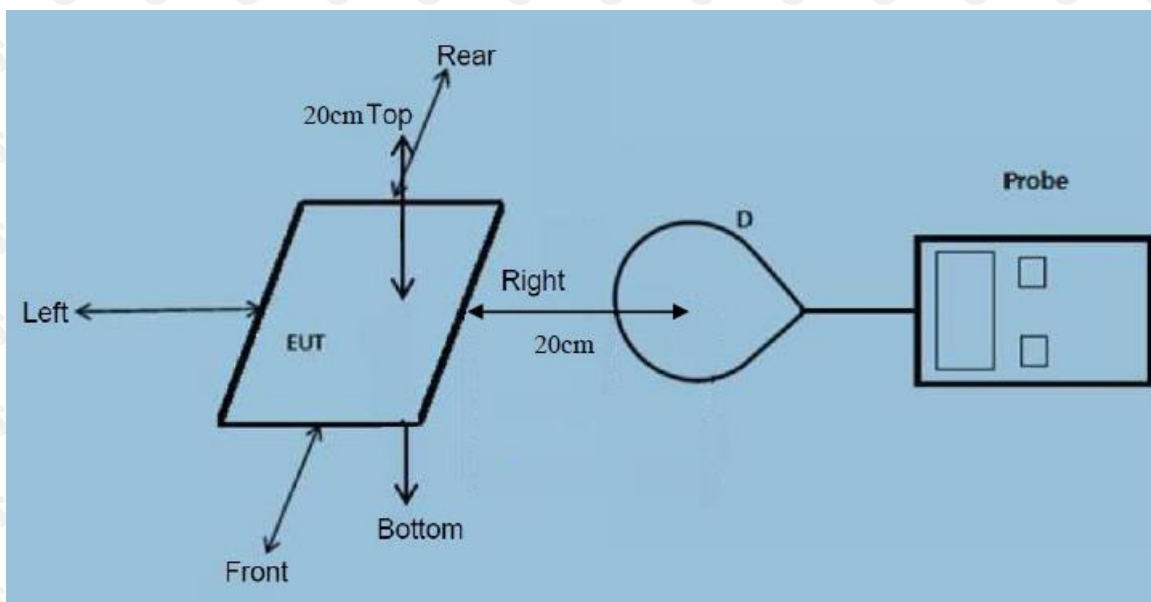
### 3. METHOD OF MEASUREMENT

#### 3. 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 §2.1091 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.

#### 4. TEST RESULT

##### 4.1. Conducted Emission at the Mains Terminals Test



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 20 cm measured from the center of the probe(s) to the edge of the device

##### Test Procedure:

- The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- The measurement probe was placed at test distance (20cm) which is between the edge of the charger and the geometric centre of probe.
- The turn table was rotated 360d degree to search of highest strength.
- The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
- The EUT were measured according to the dictates of KDB 680106v04

#### 4.3. E and H field Strength Point A

E-Field test results the electric field strength at 20cm around the EUT.

| battery level | Frequency Range (kHz) | Test Position Right | Test Position Front | Test Position Rear | Test Position Left | Test Position Top | Limits Test (V/m) |
|---------------|-----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| 1%            | 125                   | 8.13                | 7.54                | 7.66               | 8.19               | 8.10              | 614               |
| 50%           | 125                   | 7.81                | 7.59                | 7.40               | 8.24               | 7.84              | 614               |
| 99%           | 125                   | 7.69                | 7.92                | 7.43               | 8.02               | 7.61              | 614               |

H-Field test results the electric field strength at 20cm around the EUT.

| battery level | Frequency Range (kHz) | Test Position Right | Test Position Front | Test Position Rear | Test Position Left | Test Position Top | Limits Test (A/m) |
|---------------|-----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| 1%            | 125                   | 0.26                | 0.25                | 0.21               | 0.34               | 0.27              | 1.63              |
| 50%           | 125                   | 0.18                | 0.17                | 0.17               | 0.28               | 0.25              | 1.63              |
| 99%           | 125                   | 0.06                | 0.20                | 0.13               | 0.18               | 0.30              | 1.63              |

# Point B

E-Field test results the electric field strength at 22cm around the EUT.

| battery level | Frequency Range (kHz) | Test Position Right | Test Position Front | Test Position Rear | Test Position Left | Test Position Top | Limits Test (V/m) |
|---------------|-----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| 1%            | 125                   | 8.06                | 7.45                | 7.55               | 8.09               | 7.94              | 614               |
| 50%           | 125                   | 7.80                | 7.43                | 7.35               | 7.95               | 7.63              | 614               |
| 99%           | 125                   | 7.65                | 7.56                | 7.28               | 7.86               | 7.48              | 614               |

H-Field test results the electric field strength at 22cm around the EUT.

| battery level | Frequency Range (kHz) | Test Position Right | Test Position Front | Test Position Rear | Test Position Left | Test Position Top | Limits Test (A/m) |
|---------------|-----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| 1%            | 125                   | 0.26                | 0.23                | 0.20               | 0.26               | 0.23              | 1.63              |
| 50%           | 125                   | 0.13                | 0.12                | 0.12               | 0.30               | 0.28              | 1.63              |
| 99%           | 125                   | 0.04                | 0.16                | 0.08               | 0.15               | 0.28              | 1.63              |

# Point C

E-Field test results the electric field strength at 24cm around the EUT.

| battery level | Frequency Range (kHz) | Test Position Right | Test Position Front | Test Position Rear | Test Position Left | Test Position Top | Limits Test (V/m) |
|---------------|-----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| 1%            | 125                   | 8.08                | 7.44                | 7.57               | 8.15               | 7.96              | 614               |
| 50%           | 125                   | 7.81                | 7.47                | 7.40               | 7.99               | 7.68              | 614               |
| 99%           | 125                   | 7.73                | 7.59                | 7.37               | 7.87               | 7.49              | 614               |

H-Field test results the electric field strength at 24cm around the EUT.

| battery level | Frequency Range (kHz) | Test Position Right | Test Position Front | Test Position Rear | Test Position Left | Test Position Top | Limits Test (A/m) |
|---------------|-----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| 1%            | 125                   | 0.26                | 0.24                | 0.25               | 0.33               | 0.25              | 1.63              |
| 50%           | 125                   | 0.19                | 0.15                | 0.16               | 0.31               | 0.32              | 1.63              |
| 99%           | 125                   | 0.10                | 0.16                | 0.11               | 0.18               | 0.30              | 1.63              |

\*\*\*\*\*THE END\*\*\*\*\*