

# Human Exposure Report

**Application No.:** SZCR2507002960AT  
**Applicant:** Ugreen Group Limited  
**Address of Applicant:** UGREEN Building, Longcheng Industrial Park Longguanxi Road, Longhua, ShenZhen 518000 China  
**Manufacturer:** Ugreen Group Limited  
**Address of Manufacturer:** Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, China  
**Factory:** Shenzhen Firststar Battery Co., Ltd.  
**Address of Factory:** Building 3 and Building 5, Jinxiu Industrial Park, Xitian Community, Gongming Sub-district, Guangming District, Shenzhen City  
**Equipment Under Test (EUT):**  
**EUT Name:** Magnetic Wireless Power Bank  
**Model No.:** PB773  
**Trade Mark:** UGREEN  
**FCC ID:** 2AQI5-PB773  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
47 CFR PART 2, Subpart J, Section 2.1093  
KDB 680106 D01 Wireless Power Transfer v04  
**Date of Receipt:** 2025-07-08  
**Date of Test:** 2025-07-10 to 2025-07-16  
**Date of Issue:** 2025-07-17

|                      |              |
|----------------------|--------------|
| <b>Test Result :</b> | <b>Pass*</b> |
|----------------------|--------------|

\* In the configuration tested, the EUT complied with the standards specified above



Keny Xu  
EMC Laboratory Manager




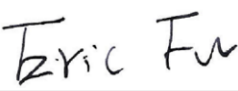
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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2025-07-17 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

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|--------------------------|--|--|--|--|
| Authorized for issue by: |  |  |  |  |
|                          |  |   |  |  |
|                          |  | Leo Lai/Project Engineer   |  |  |
|                          |  |  |  |  |
|                          |  | Eric Fu/Reviewer   |  |  |



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### 3 General Information

#### 3.1 Details of E.U.T.

|                      |   |
|----------------------|---|
| Power supply:        | USB-C Cable(IN 1) / USB-C(IN 2) Input: DC 5V 3A/9V 3A/12V 2.5A/15V 2A<br>USB-C Cable(OUT 1) / USB-C(OUT 2)Output: DC 10V 2.25A/5V 3A/9V<br>3A/12V 2.5A/15V 2A/20V 1.5A<br>Wireless charging Output Power: 25W Max (iPhone: 25W)<br>Rated Capacity: 5600mAh(TYP 5V 3A)<br>Total Cell Capacity: 10000mAh<br>Battery Capacity: 5000mAh (Two Cells in Series)<br>Total Output: DC 5V 1.5A+5W<br>Polymer Lithium-ion Battery Rated Energy: 36Wh 7.2V |
| Operation frequency: | 110kHz to 148.5kHz & 360kHz   |
| Modulation type:     | Load modulation   |
| Antenna type:        | Loop Antenna  |

Remark 1: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Remark 2: when this device output 5/7.5/10W, the operation frequency range is 111.4kHz to 135.6kHz; when this device output 15W/25W, the operation frequency range is 337.28kHz to 383.36kHz.

Remark 3: Product Number (P/N) code below for marketing purpose, will be marked on the marking plate.

65958, 65958P, 65958X, 65958A, 65958B, 65958C, 65958U, 65958JP, 65958ZD

#### 3.2 Description of Support Units

| Description   | Manufacturer | Model No.    | Serial No.        |
|---------------|--------------|--------------|-------------------|
| Adapter       | HONOR        | HN-200500CP0 | REF. No.SEA05R03H |
| Load Resistor | Nuvolta      | NU1671       | ---               |
| Load Resistor | SGS          | BX7-14       | REF. No.SEA37A00  |
| iPhone 15Pro  | Apple        | A3104        | REF. No.SEA16Q02  |
| iphone 16pro  | Apple        | MYLU3CH/A    | REF. No.SEA16Q03  |



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### 3.3 Test Location

All tests were performed at:

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No tests were sub-contracted.

### 3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI (Member No. 1937)**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1336**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISCED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

### 3.5 Deviation from Standards

None.

### 3.6 Abnormalities from Standard Conditions

None.



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### 4 Equipments Used during Test

| Item | Test Equipment            | Manufacturer | Model No. | Inventory No. | Cal. Due date |
|------|---------------------------|--------------|-----------|---------------|---------------|
| 1    | 3m Fully-Anechoic Chamber | AUDIX        | N/A       | SEM001-02     | 2026-05-09    |
| 2    | MAGPy-8H3D+E3D            | SPEAG        | MAGPy     | SEM060-31     | 2026-02-04    |
| 3    | MAGPy-DAS                 | SPEAG        | MAGPy     | SEM060-32     | 2026-02-04    |



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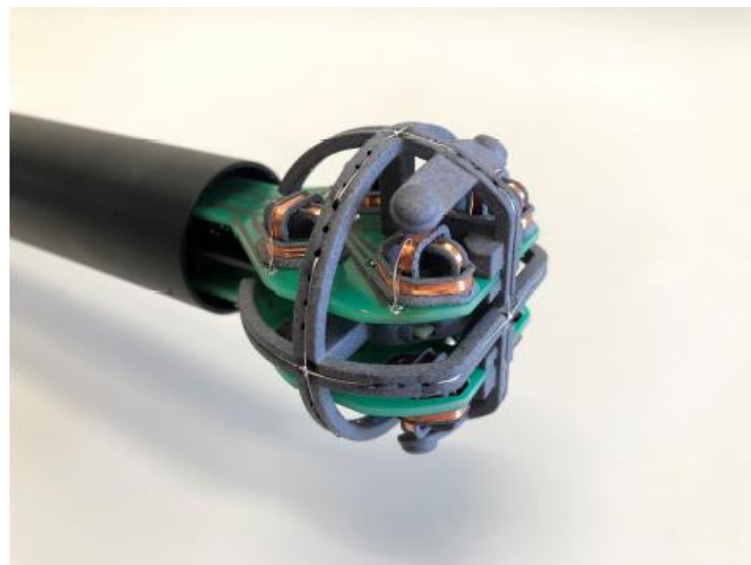
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Probe parameter:

| Parameter                           | Specs   |
|-------------------------------------|---|
| <b>PROBE DESIGN</b>                 |   |
| Diameter                            | 60 mm   |
| 8 isotropic <i>H</i> -field sensors | concentric loops of 1 cm <sup>2</sup> arranged at the corner of a cube of 22 mm side length |
| 1 isotropic <i>E</i> -field sensor  | orthogonal dipole/monopole (arm length: 50 mm)  |
| Measurement center                  | 18.5 mm from the probe tip  |
| Temperature range                   | 0-40 °C   |
| Dimensions                          | 110 × 635 × 35 mm<br>(MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)                                     |
| <b><i>H</i>-FIELD SPECIFICATION</b> |   |
| Frequency range                     | 3 kHz-10 MHz  |
| Measurement range                   | 0.1-3200 A/m, 0.12 μT-4 mT  |
| Gradient range                      | 0-80 T/m/T  |
| <b><i>E</i>-FIELD SPECIFICATION</b> |   |
| Frequency range                     | 3 kHz-10 MHz  |
| Measurement range                   | 0.08-2000 V/m   |



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## 5 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                      |
|--------------------------|--------------|--|
| Pre-scan                 | 00           | Wireless charge mode_Keep the EUT charging(5W)   |
| Pre-scan                 | 01           | Wireless charge mode_Keep the EUT charging(7.5W) |
| Final test               | 02           | Wireless charge mode_Keep the EUT charging(10W)  |
| Final test               | 03           | Wireless charge mode_Keep the EUT charging(15W)  |
| Pre-scan                 | 04           | Wireless charge mode_Keep the EUT charging(25W)  |



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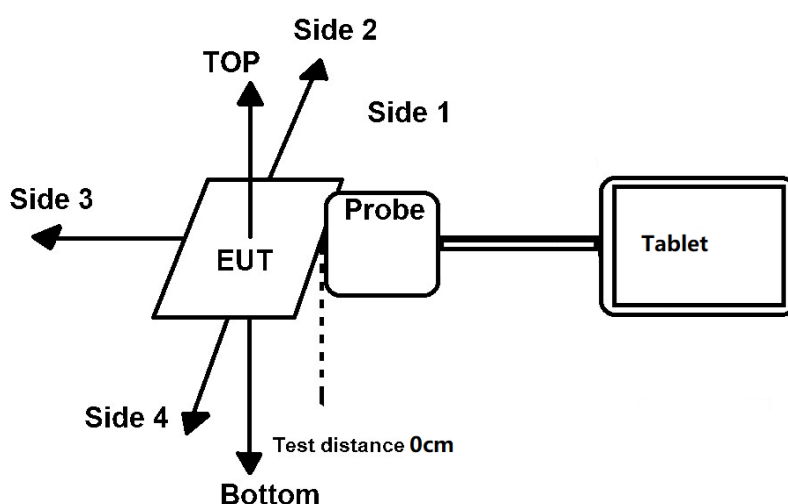
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## 6 Test Block Diagram

Remark:

- 1 The RF exposure test is performed in the anechoic chamber.
- 2 The test distance is 0cm from the center of the probe along all three axes of the device.



## 7 Test Results

### 7.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Measurement Distance: 0cm

Limit:

| Frequency range (MHz)  | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 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                        |
| 300-1500   | /                             | /                             | f/300                               | 6                        |
| 1500-100,000   | /                             | /                             | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 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                       |
| 1500-100,000   | /                             | /                             | 1.0                                 | 30                       |

F=frequency in MHz  
 \*=Plane-wave equivalent power density  
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).



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### 7.1.1 E.U.T. Operation

#### Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1020 mbar

### 7.1.2 Measurement Data

#### Magnetic Field Emissions

| Operation Frequency  | Test Distance (cm) | Test Position | Probe Measure Result (A/m) |                     |             | 50 % Limit (A/m) |
|--|--------------------|---------------|----------------------------|---------------------|-------------|------------------|
|  |                    |               | Zero Charge                | Intermediate Charge | Full Charge |                  |
| 127kHz<br>which is the worst case within the operation frequency range | 0                  | Side 1        | 0.755                      | 0.649               | 0.235       | 0.815            |
|  |                    | Side 2        | 0.422                      | 0.323               | 0.144       |                  |
|  |                    | Side 3        | 0.642                      | 0.488               | 0.183       |                  |
|  |                    | Side 4        | 0.446                      | 0.334               | 0.142       |                  |
|  |                    | Top           | 0.362                      | 0.276               | 0.156       |                  |
|  |                    | Bottom        | 0.537                      | 0.399               | 0.201       |                  |

| Operation Frequency  | Test Distance (cm) | Test Position | Probe Measure Result (A/m) |                     |             | 50 % Limit (A/m) |
|--|--------------------|---------------|----------------------------|---------------------|-------------|------------------|
|  |                    |               | Zero Charge                | Intermediate Charge | Full Charge |                  |
| 360kHz<br>which is the worst case within the operation frequency range | 0                  | Side 1        | 0.319                      | 0.264               | 0.125       | 0.815            |
|  |                    | Side 2        | 0.155                      | 0.131               | 0.083       |                  |
|  |                    | Side 3        | 0.256                      | 0.215               | 0.098       |                  |
|  |                    | Side 4        | 0.164                      | 0.136               | 0.093       |                  |
|  |                    | Top           | 0.144                      | 0.123               | 0.072       |                  |
|  |                    | Bottom        | 0.225                      | 0.182               | 0.089       |                  |



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### Electric Field Emissions

| Operation Frequency   | Test Distance (cm) | Test Position | Probe Measure Result (V/m) |                     |             | 50 % Limit (V/m) |
|---|--------------------|---------------|----------------------------|---------------------|-------------|------------------|
|   |                    |               | Zero Charge                | Intermediate Charge | Full Charge |                  |
| 127 kHz<br>which is the worst case within the operation frequency range | 0                  | Side 1        | 19.61                      | 17.52               | 10.44       | 307              |
|   |                    | Side 2        | 11.12                      | 9.46                | 9.12        |                  |
|   |                    | Side 3        | 12.33                      | 10.43               | 7.28        |                  |
|   |                    | Side 4        | 15.46                      | 12.06               | 6.47        |                  |
|   |                    | Top           | 9.25                       | 6.88                | 2.56        |                  |
|   |                    | Bottom        | 17.61                      | 14.52               | 8.44        |                  |

| Operation Frequency   | Test Distance (cm) | Test Position | Probe Measure Result (V/m) |                     |             | 50 % Limit (V/m) |
|---|--------------------|---------------|----------------------------|---------------------|-------------|------------------|
|   |                    |               | Zero Charge                | Intermediate Charge | Full Charge |                  |
| 360 kHz<br>which is the worst case within the operation frequency range | 0                  | Side 1        | 10.35                      | 8.03                | 5.25        | 307              |
|   |                    | Side 2        | 5.11                       | 4.22                | 3.64        |                  |
|   |                    | Side 3        | 5.36                       | 4.55                | 3.21        |                  |
|   |                    | Side 4        | 7.66                       | 5.42                | 4.12        |                  |
|   |                    | Top           | 6.03                       | 5.42                | 2.56        |                  |
|   |                    | Bottom        | 7.77                       | 6.35                | 4.27        |                  |

- End of the Report -



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