

Project No.: TM-2308000441P  
Report No.: TMWK2310004045KS

FCC ID: 2APYS-LPS15WPK

Page: 1 / 13  
Rev.: 00

**47 C.F.R. Part 1, Subpart I, Section 1.1310  
47 C.F.R. Part 2, Subpart J, Section 2.1093  
KDB 680106 D01 v03r01**

**Maximum Permissible Exposure Report**

**For**

**Wireless Charger Module**

**Model: LPS-15WP K**

**Trade Name: LUXSHAREICT**

Issued to

**Lanto Electronic Ltd  
No 399, Baisheng Road, Jinxi Town, Kunshan City,  
Jiangsu ,China 215234**

Issued by

**Compliance Certification Services Inc.  
Wugu Laboratory  
No.11, Wugong 6th Rd., Wugu Dist.,  
New Taipei City, Taiwan  
Issued Date: November 3, 2023**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.  
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

### Revision History

| Rev. | Issue Date       | Revisions     | Effect Page | Revised By   |
|------|------------------|---------------|-------------|--------------|
| 00   | November 3, 2023 | Initial Issue | ALL         | Allison Chen |

## TABLE OF CONTENTS

|  |    |
|--|----|
| 1. TEST RESULT CERTIFICATION .....                 | 4  |
| 2. EUT SPECIFICATION .....                         | 5  |
| 3. MEASUREMENT EQUIPMENT USED .....                | 6  |
| 3.1 EQUIPMENT USED FOR EMISSIONS MEASUREMENT ..... | 6  |
| 4. LIMIT .....                                     | 7  |
| 5. HUMAN EXPOSURE ASSESSMENT .....                 | 8  |
| 5.1 SUPPORT EQUIPMENT .....                        | 8  |
| 5.2 TEST SETUP .....                               | 8  |
| 5.3 TEST RESULTS .....                             | 9  |
| 5.4 HIGHEST H-FIELD TEST PLOTS .....               | 10 |
| 6. TEST PLOTS .....                                | 11 |

## 1. TEST RESULT CERTIFICATION

| APPLICABLE STANDARDS  |             |
|---|-------------|
| STANDARD  | TEST RESULT |
| 47 C.F.R. Part 1, Subpart I, Section 1.1310<br>47 C.F.R. Part 2, Subpart J, Section 2.1093<br>KDB 680106 D01 RF Exposure Wireless<br>Charging Apps v03r01 | Compliance  |
| Statements of Conformity  |             |
| Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.       |             |

Approved by:



---

Sky Zhou  
Asst. Section Manager  
Compliance Certification Services Inc.

## 2. EUT SPECIFICATION

|                                |  |
|--------------------------------|--|
| <b>EUT</b>                     | Wireless Charger Module  |
| <b>Model</b>                   | LPS-15WP K   |
| <b>Trade Name</b>              | LUXSHAREICT  |
| <b>Model Discrepancy</b>       | N/A  |
| <b>Frequency Range</b>         | <input checked="" type="checkbox"/> 111 ~ 148 KHz<br><input type="checkbox"/> Others   |
| <b>Device category</b>         | <input type="checkbox"/> Portable (<20cm separation)<br><input checked="" type="checkbox"/> Mobile (>20cm separation)<br><input type="checkbox"/> Others |
| <b>Exposure classification</b> | <input type="checkbox"/> Occupational/Controlled exposure<br><input checked="" type="checkbox"/> General Population/Uncontrolled exposure                |
| <b>Antenna Specification</b>   | Coil Antenna   |
| <b>Received Date</b>           | September 19, 2023   |
| <b>Date of Test</b>            | November 1, 2023   |

**Remark:**

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.
3. Disclaimer: Variant information between/among model numbers / trademarks are provided by the applicant, test results of this report are applicable to the sample EUT received of main test model name.

### 3. MEASUREMENT EQUIPMENT USED

#### 3.1 Equipment Used for Emissions Measurement

| RF Conducted Test Site (Shielding Room)      |              |                |      |            |            |
|--|--------------|----------------|------|------------|------------|
| Equipment                                    | Manufacturer | Model          | S/N  | Cal Date   | Cal Due    |
| Data Acquisition System                      | SPEAG        | MAGPy-DAS      | 3061 | 2023-06-21 | 2024-06-20 |
| Magnetic Amplitude and Gradient Probe System | SPEAG        | MAGPy-8H3D+E3D | 3062 | 2023-06-21 | 2024-06-20 |

#### 3.2 MEASUREMENT UNCERTAINTY

| Parameter               | Frequency   | Expanded Uncertainty (dB) | k |
|-------------------------|-------------|---------------------------|---|
| Electric Field Strength | 3KHz ~10MHz | ± 1.06 dB                 | 2 |
| Magnetic Field Strength | 3KHz ~10MHz | ± 1.02 dB                 | 2 |

These uncertainties represent an expanded uncertainty expressed approximately at the 95% confidence level using a coverage factor of k=2

#### 3.3 KDB 680106 D01 v03 R01 SECTION 5.b) EQUIPMENT APPROVAL CONSIDERATIONS

| Requirement   | Device   |
|---|--|
| (1) Power transfer frequency is less than 1MHz.   | Yes. Operating Frequency is between 111kHz to 148 kHz. |
| (2) Output power from each primary coil is less than or equal to 15 watts.  | Yes. Maximum power is 15 Watts.                        |
| (3) The transfer system includes only single primary and secondary coils.<br>This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils. | Yes.   |
| (4) Client device is placed directly in contact with the transmitter.   | Yes.   |
| (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).   | Yes.   |
| (6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.   | Yes.   |

## 4. LIMIT

Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310.

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of the chapter.

| 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                        |
| 300-1,500   |                               |                               | f/300                               | 6                        |
| 1,500-100,000   |                               |                               | 5                                   | 6                        |
| (B) Limits for General Population/Uncontrolled Exposure |                               |                               |                                     |                          |
| <b><u>0.3-1.34</u></b>                                  | <b><u>614</u></b>             | <b><u>1.63</u></b>            | * 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                       |
| 300-1,500   |                               |                               | f/1500                              | 30                       |
| 1,500-100,000   |                               |                               | 1.0                                 | 30                       |

f = frequency in MHz

\* = Plane-wave equivalent power density

Note 1 to Table 1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when a person is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Note 2 to Table 2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

## 5. HUMAN EXPOSURE ASSESSMENT

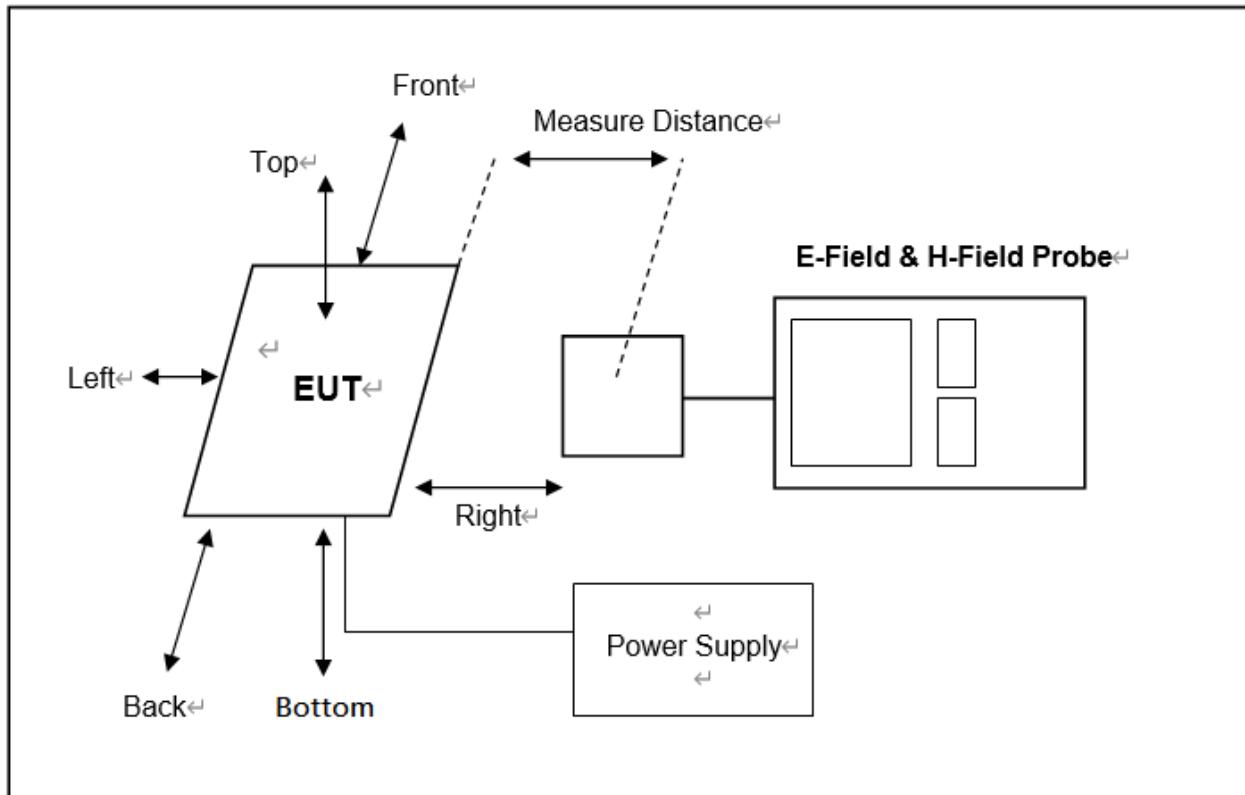
### 5.1 Support Equipment

| No. | Device Type                  | Brand  | Model        | Series No. |
|-----|------------------------------|--------|--------------|------------|
| 1   | RX full function test module | EESON  | Generation 3 | N/A        |
| 2   | Adapter.                     | Lenovo | ADP-90ME B   | N/A        |

### 5.2 Test Setup

The test site used to collect data is a Shield Room.

The measurement was taken using a probe placed 15 cm surrounding the device and 20 cm above the top surface of the EUT. Measurements were taken the top and all sides of the EUT per KDB680106 D01 v03 R01.



Report No.: TMWK2310004045KS

### 5.3 Electric Field Test Results

**Temperature:** 23~23.5°C**Test Date:**

November 1, 2023

**Humidity:** 62~65% RH**Tested by:**

Jack Yang

| Operating Frequency (kHz) | Distance (cm) | Probe from EUT Side | Quantity Value RMS | Compliance Extrapolation Factor | Electric Field (V/m) | Limit (V/m) | 50% of MPE limit (V/m) |
|---------------------------|---------------|---------------------|--------------------|---------------------------------|----------------------|-------------|------------------------|
| 128                       | 20            | Top                 | 9.17               | 1                               | <b>9.17</b>          | 614         | 307                    |
|                           | 15            | Bottom              | 1.34               | 1                               | 1.34                 | 614         | 307                    |
|                           | 15            | Front               | 1.36               | 1                               | 1.36                 | 614         | 307                    |
|                           | 15            | Back                | 1.07               | 1                               | 1.07                 | 614         | 307                    |
|                           | 15            | Right               | 1.12               | 1                               | 1.12                 | 614         | 307                    |
|                           | 15            | Left                | 1.12               | 1                               | 1.12                 | 614         | 307                    |

**Remark:**

1. Different loading conditions have been determined and the worst case was 100% loading.

### 5.4 Magnetic Field Test Results

**Temperature:** 23~23.5°C**Test Date:**

November 1, 2023

**Humidity:** 62~65% RH**Tested by:**

Jack Yang

| Operating Frequency (kHz) | Distance (cm) | Probe from EUT Side | Quantity Value RMS | Compliance Extrapolation Factor | Magnetic Field (A/m) | Limit (A/m) | 50% of MPE limit (A/m) |
|---------------------------|---------------|---------------------|--------------------|---------------------------------|----------------------|-------------|------------------------|
| 128                       | 20            | Top                 | 0.11               | 1.471                           | <b>0.162</b>         | 1.63        | 0.815                  |
|                           | 15            | Bottom              | 0.05               | 1.637                           | 0.079                | 1.63        | 0.815                  |
|                           | 15            | Front               | 0.06               | 1.604                           | 0.099                | 1.63        | 0.815                  |
|                           | 15            | Back                | 0.03               | 1.209                           | 0.030                | 1.63        | 0.815                  |
|                           | 15            | Right               | 0.07               | 1.530                           | 0.101                | 1.63        | 0.815                  |
|                           | 15            | Left                | 0.03               | 2.203                           | 0.059                | 1.63        | 0.815                  |

**Remark:**

1. Different loading conditions have been determined and the worst case was 100% loading.

## 5.4 Highest H-field Test Plots

### Top\_20cm

