# MPE Test Report

Report No.:STS2307145H01

Issued for

Litum bilgi teknolojileri san. Ve dis tic. A.S

Şevket Ozçelik sok. No29 Alsancak izmir 35000 Turkey

| | |
|---|---|
| Product Name: | LITUM TAG CHARGER STATION |
| Brand Name: | Litum |
| Model Number: | 900 |
| Series Model(s): | N/A |
| FCC ID: | 2AW7W-900 |
| Test Standards: | FCC CFR 47 part 1, 1.1310 |

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# TEST REPORT

| | |
|---|---|
| Applicant's Name .....: | Litum bilgi teknolojileri san. Ve dis tic. A.S |
| Address.....: | Şevket Ozçelik sok. No29 Alsancak izmir 35000 Turkey |
| Manufacturer's Name .....: | Litum bilgi teknolojileri san. Ve dis tic. A.S |
| Address.....: | Şevket Ozçelik sok. No29 Alsancak izmir 35000 Turkey |
| **Product Description** | |
| Product Name .....: | LITUM TAG CHARGER STATION |
| Brand Name.....: | Litum |
| Model Name.....: | 900 |
| Series Model(s) .....: | N/A |
| **Test Standards**.....: | FCC CFR 47 part 1, 1.1310 |
| Test Procedure .....: | 680106 D01 RF Exposure Wireless Charging Apps v03 |

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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| | |
|---|---|
| Date of Test.....: | |
| Date of receipt of test item.....: | 31 July 2023 |
| Date of performance of tests ..: | 31 July 2023 ~ 13 Sept. 2023 |
| Date of Issue.....: | 13 Sept. 2023 |
| Test Result .....: | **Pass** |

Testing Engineer : Aaron Bu

(Aaron Bu)

Technical Manager : Sean She

(Sean she)

Authorized Signatory : Chris Chen

(Chris Chen)

SHENZHEN STS TEST SERVICES CO., LTD. TESTING APPROVAL

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## Revision History

| Rev. | Issue Date | Report NO. | Effect Page | Contents |
|---|---|---|---|---|
| 00 | 13 Sept. 2023 | STS2307145H01 | ALL | Initial Issue |
| | | | | |

# 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
FCC KDB 680106 D01 RF Exposure Wireless Charging Apps v03

| FCC CFR 47 | | | |
|---|---|---|---|
| Standard Section | Test Item | Judgment | Remark |
| FCC CFR 47 part1, 1.1310 KDB680106 D01v03 | Electric Field Strength (E) (V/m) | PASS | |
| | Magnetic Field Strength (H) (A/m) | PASS | |

## 1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD
Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China
FCC test Firm Registration Number: 625569
IC test Firm Registration Number: 12108A
A2LA Certificate No.: 4338.01

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ±**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** %.

| No. | Item | Uncertainly |
|---|---|---|
| 1 | H-filed | ±0.83dB |
| 2 | E-filed | ±0.91dB |

## 1.3 GENERAL DESCRIPTION OF THE EUT

| | |
|---|---|
| Product Name | LITUM TAG CHARGER STATION |
| Brand | Litum |
| Model Number | 900 |
| Series Model(s) | N/A |
| Model Difference | N/A |
| Equipemnt Category | Non-ISM frequency |
| Antenna Type | Coil Antenna |
| Operating frequency | 110.5K-205K |
| Modulation Type | ASK |
| Rating | Input: 100-120V AC , 50-60Hz, 77W<br>220-240V AC, 50-60Hz, 77W<br>Output: DC 9V,72W |
| Adapter | Input: 115/230V<br>Output:12V |
| Hardware version number | 01 |
| Software version number | 01 |
| Connecting I/O Port(s) | Please refer to the Note 1. |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | NOTE |
|---|---|---|---|---|---|
| 1 | Litum | 900 | Coil | N/A | Antenna |
| 2 | Litum | 900 | Coil | N/A | Antenna |
| 3 | Litum | 900 | Coil | N/A | Antenna |
| 4 | Litum | 900 | Coil | N/A | Antenna |
| 5 | Litum | 900 | Coil | N/A | Antenna |
| 6 | Litum | 900 | Coil | N/A | Antenna |
| 7 | Litum | 900 | Coil | N/A | Antenna |
| 8 | Litum | 900 | Coil | N/A | Antenna |
| 9 | Litum | 900 | Coil | N/A | Antenna |
| 10 | Litum | 900 | Coil | N/A | Antenna |
| 11 | Litum | 900 | Coil | N/A | Antenna |
| 12 | Litum | 900 | Coil | N/A | Antenna |

| | | | | | |
|---|---|---|---|---|---|
| 13 | Litum | 900 | Coil | N/A | Antenna |
| 14 | Litum | 900 | Coil | N/A | Antenna |
| 15 | Litum | 900 | Coil | N/A | Antenna |
| 16 | Litum | 900 | Coil | N/A | Antenna |

3. Test Mode:

| Test Mode | Description |
|---|---|
| Mode 1 | Wireless charging Coil 1 |
| Mode 2 | Wireless charging Coil 2 |
| Mode 3 | Wireless charging Coil 3 |
| Mode 4 | Wireless charging Coil 4 |
| Mode 5 | Wireless charging Coil 5 |
| Mode 6 | Wireless charging Coil 6 |
| Mode 7 | Wireless charging Coil 7 |
| Mode 8 | Wireless charging Coil 8 |
| Mode 9 | Wireless charging Coil 9 |
| Mode 10 | Wireless charging Coil 10 |
| Mode 11 | Wireless charging Coil 11 |
| Mode 12 | Wireless charging Coil 12 |
| Mode 13 | Wireless charging Coil 13 |
| Mode 14 | Wireless charging Coil 14 |
| Mode 15 | Wireless charging Coil 15 |
| Mode 16 | Wireless charging Coil 16 |
| Mode 17 | Wireless charging Full Coil |
| Mode 18 | Wireless charging Coil combination test |

Note:
1. Coil combination test is both arbitrary coil combination, three coil, asymmetrical compositions, four coil combination, or any of the coil, coil of two coils, three, four coil, etc. With the combination of the other coil test
2. All mode has been tested, the worst case is Mode 17, this report only shown the worst case.

coil1
coil2
coil3
coil4
coil5
coil6
coil7
coil8
coil9
coil10
coil11
coil12
coil13
coil14
coil15
coil16

## 1.4 EQUIPMENTS LIST FOR ALL TEST ITEMS

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|---|---|---|---|---|---|
| Electric and Magnetic field Probe - Analyzer | Narda | EHP 200A | 180ZX10220 | 2023.02.28 | 2024.02.27 |

## 1.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

Necessary accessories

| Item | Equipment | Mfr/Brand | Model/Type No. | Length | Note |
|---|---|---|---|---|---|
| | load | Litum | 631-0000026 | N/A | N/A |
| | | | | | |
| | | | | | |
| | | | | | |

Support units

| Item | Equipment | Mfr/Brand | Model/Type No. | Length | Note |
|---|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | |
| | | | | | |
| | | | | | |

Note:

(1) For detachable type I/O cable should be specified the length in cm in『Length』column.
(2) “YES” is means “with core”; “NO” is means “without core”.

# 2. MAXIMUM PERMISSIBLE EXPOSURE

## 2.1 MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

| Limits for Occupational / Controlled Exposure | | | | |
|---|---|---|---|---|
| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm²) | Averaging Time $\|E\|^2$,$\|H\|^2$ 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/ cm²) | Averaging Time $\|E\|^2$,$\|H\|^2$ 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 |

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03

Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

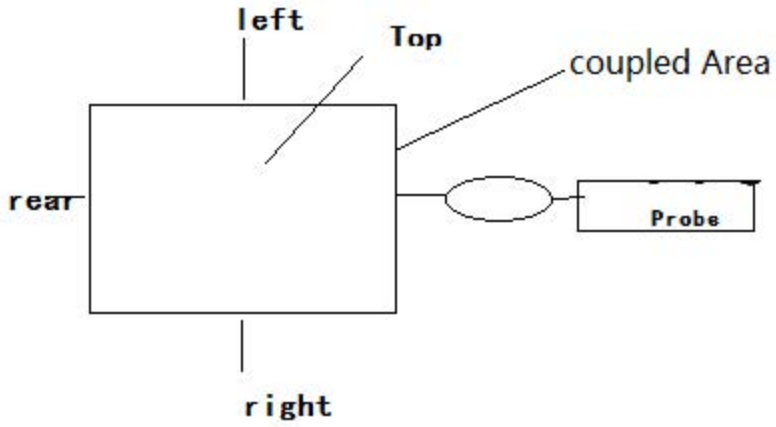
Note 4: The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

2.2 TEST PROCEDURE

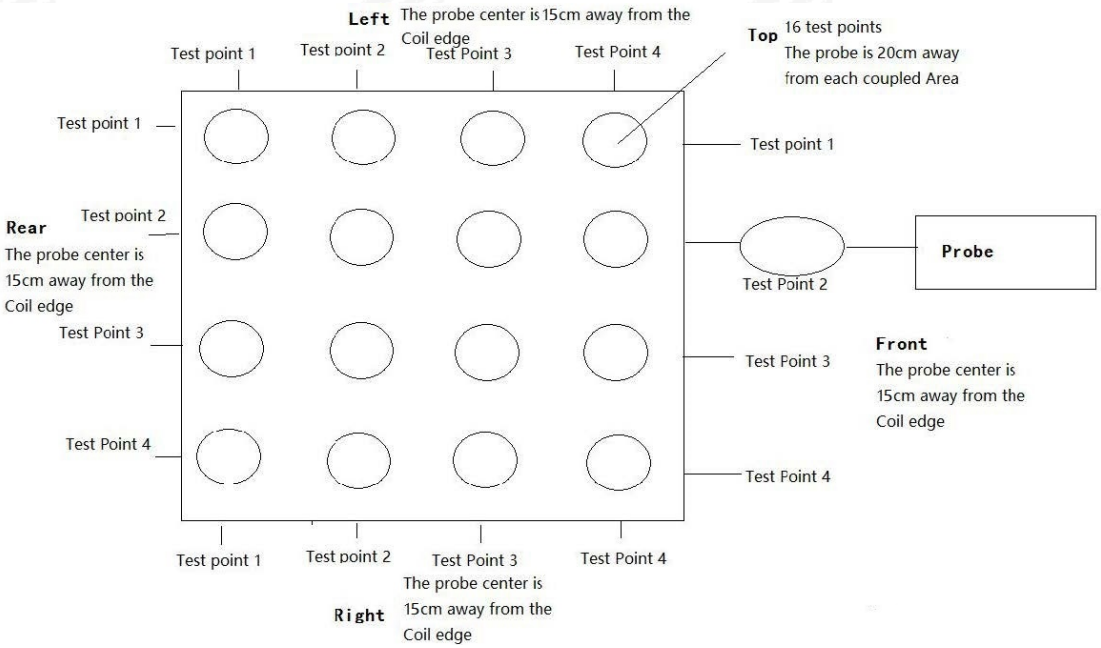
a. For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 cm(Top) and 15cm(Edge). E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 20 cm(Top) and 15cm(Edge) measured from the center of the probe(s) to the edge of the device.

2.3 TEST SETUP

FOR EACH COIL




FOR FULL COILS




Remark: The EHP 200A probe antenna diameter is less than 15cm.

2.4 TEST RESULTS

The EUT does comply with item 5 KDB680106 D01 v03.

(1) Power transfer frequency is less than 1 MHz.
RE: Yes, the EUT operating frequency is 110-205KHz.
(2) Output power from each primary coil is less than or equal to 15 watts.
Yes, the max wireless output from each primary coil is 5W.
(3) The transfer system includes only single primary and secondary coils. 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, This includes WPT systems with multiple primary coils, each coil can only couple one client device.
(4) Client device is placed directly in contact with the transmitter.
RE: Yes, The WPT client device is placed in direct contact with the WPT source
(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
RE: Yes, The WPT systems is mobile device
(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, the max leakage fields is 1.45%

## 2.5 MAXIMUM PERMISSIBLE EXPOSURE

Coil 1 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.095 | 0.223 |
| | 15cm | Rear | 1.096 | 0.232 |
| | 15cm | Left | 1.085 | 0.216 |
| | 15cm | Right | 1.105 | 0.204 |
| | 20cm | Top | 1.143 | 0.205 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.38% | 0.26% |

Coil 2 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.089 | 0.215 |
| | 15cm | Rear | 1.091 | 0.220 |
| | 15cm | Left | 1.073 | 0.213 |
| | 15cm | Right | 1.092 | 0.189 |
| | 20cm | Top | 1.137 | 0.201 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.31% | 0.24% |

Coil 3 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.086 | 0.218 |
| | 15cm | Rear | 1.084 | 0.223 |
| | 15cm | Left | 1.077 | 0.207 |
| | 15cm | Right | 1.101 | 0.200 |
| | 20cm | Top | 1.132 | 0.194 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.36% | 0.25% |

Coil 4 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.090 | 0.204 |
| | 15cm | Rear | 1.087 | 0.208 |
| | 15cm | Left | 1.070 | 0.201 |
| | 15cm | Right | 1.098 | 0.194 |
| | 20cm | Top | 1.139 | 0.190 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.23% |

Coil 5 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.089 | 0.211 |
| | 15cm | Rear | 1.083 | 0.218 |
| | 15cm | Left | 1.073 | 0.208 |
| | 15cm | Right | 1.097 | 0.199 |
| | 20cm | Top | 1.134 | 0.200 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.24% |

Coil 6 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.090 | 0.220 |
| | 15cm | Rear | 1.082 | 0.227 |
| | 15cm | Left | 1.076 | 0.206 |
| | 15cm | Right | 1.097 | 0.195 |
| | 20cm | Top | 1.132 | 0.193 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.36% | 0.25% |

Coil 7 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.084 | 0.213 |
| | 15cm | Rear | 1.082 | 0.218 |
| | 15cm | Left | 1.079 | 0.201 |
| | 15cm | Right | 1.091 | 0.194 |
| | 20cm | Top | 1.137 | 0.199 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.24% |

Coil 8 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.090 | 0.208 |
| | 15cm | Rear | 1.089 | 0.227 |
| | 15cm | Left | 1.080 | 0.212 |
| | 15cm | Right | 1.092 | 0.194 |
| | 20cm | Top | 1.129 | 0.191 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.36% | 0.25% |

Coil 9 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.081 | 0.211 |
| | 15cm | Rear | 1.088 | 0.221 |
| | 15cm | Left | 1.074 | 0.208 |
| | 15cm | Right | 1.096 | 0.197 |
| | 20cm | Top | 1.134 | 0.194 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.25% |

Coil 10 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.085 | 0.214 |
| | 15cm | Rear | 1.083 | 0.221 |
| | 15cm | Left | 1.073 | 0.213 |
| | 15cm | Right | 1.090 | 0.193 |
| | 20cm | Top | 1.136 | 0.194 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.25% |

Coil 11 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.088 | 0.220 |
| | 15cm | Rear | 1.091 | 0.228 |
| | 15cm | Left | 1.078 | 0.213 |
| | 15cm | Right | 1.092 | 0.195 |
| | 20cm | Top | 1.134 | 0.196 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.25% |

Coil 12 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.081 | 0.209 |
| | 15cm | Rear | 1.085 | 0.223 |
| | 15cm | Left | 1.079 | 0.202 |
| | 15cm | Right | 1.097 | 0.195 |
| | 20cm | Top | 1.128 | 0.192 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.36% | 0.25% |

Coil 13 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.087 | 0.219 |
| | 15cm | Rear | 1.084 | 0.229 |
| | 15cm | Left | 1.072 | 0.212 |
| | 15cm | Right | 1.092 | 0.192 |
| | 20cm | Top | 1.134 | 0.201 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.25% |

Coil 14 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | 1.080 | 0.209 |
| | 15cm | Rear | 1.083 | 0.223 |
| | 15cm | Left | 1.076 | 0.211 |
| | 15cm | Right | 1.095 | 0.196 |
| | 20cm | Top | 1.135 | 0.202 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.25% |

Coil 15 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | E-field (V/m) | H-field (A/m) |
| | 15cm | Rear | 1.088 | 0.219 |
| | 15cm | Left | 1.081 | 0.220 |
| | 15cm | Right | 1.080 | 0.212 |
| | 20cm | Top | 1.093 | 0.190 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.24% |

Coil 16 MPE

| Based On Nerve Stimulation | | | | |
|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| | 15cm | Front | E-field (V/m) | H-field (A/m) |
| | 15cm | Rear | 1.083 | 0.219 |
| | 15cm | Left | 1.082 | 0.220 |
| | 15cm | Right | 1.078 | 0.212 |
| | 20cm | Top | 1.098 | 0.190 |
| Limit | | | 83 | 90 |
| Margin Limit (%) | | | 1.37% | 0.24% |

Full Coil_Front_MPE

| Based On Nerve Stimulation | | | | | | |
|---|---|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) | E-field (V/m) Spatial Averaging | H-field (A/m) Spatial Averaging |
| | 15cm | 1 | 1.095 | 0.223 | 1.090 | 0.212 |
| | 15cm | 2 | 1.089 | 0.215 | | |
| | 15cm | 3 | 1.086 | 0.218 | | |
| | 15cm | 4 | 1.090 | 0.190 | | |
| Limit | | | | | 83 | 90 |
| Margin Limit (%) | | | | | 1.31% | 0.24% |

Full Coil_Rear MPE

| Based On Nerve Stimulation | | | | | | |
|---|---|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) | E-field (V/m) Spatial Averaging | H-field (A/m) Spatial Averaging |
| | 15cm | 1 | 1.096 | 0.232 | 1.090 | 0.221 |
| | 15cm | 2 | 1.091 | 0.220 | | |
| | 15cm | 3 | 1.084 | 0.223 | | |
| | 15cm | 4 | 1.087 | 0.208 | | |
| Limit | | | | | 83 | 90 |
| Margin Limit (%) | | | | | 1.31% | 0.25% |

Full Coil_Left MPE

| Based On Nerve Stimulation | | | | | | |
|---|---|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) | E-field (V/m) Spatial Averaging | H-field (A/m) Spatial Averaging |
| | 15cm | 1 | 1.085 | 0.216 | 1.076 | 0.209 |
| | 15cm | 2 | 1.073 | 0.213 | | |
| | 15cm | 3 | 1.077 | 0.207 | | |
| | 15cm | 4 | 1.070 | 0.201 | | |
| Limit | | | | | 83 | 90 |
| Margin Limit (%) | | | | | 1.30% | 0.23% |

Full Coil_Right MPE

| Based On Nerve Stimulation | | | | | | |
|---|---|---|---|---|---|---|
| Charging AC 120V | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) | E-field (V/m) Spatial Averaging | H-field (A/m) Spatial Averaging |
| | 15cm | 1 | 1.105 | 0.204 | 1.099 | 0.197 |
| | 15cm | 2 | 1.092 | 0.189 | | |
| | 15cm | 3 | 1.101 | 0.200 | | |
| | 15cm | 4 | 1.098 | 0.194 | | |
| Limit | | | | | 83 | 90 |
| Margin Limit (%) | | | | | 1.32% | 0.22% |

Full Coil_Top MPE

| Based On Nerve Stimulation | | | | | | |
|---|---|---|---|---|---|---|
| | Separation | Probe from EUT Side | E-field (V/m) | H-field (A/m) | E-field (V/m) Spatial Averaging | H-field (A/m) Spatial Averaging |
| Charging AC 120V | 20cm | 1 | 1.143 | 0.232 | 1.205 | 0.236 |
| | 20cm | 2 | 1.128 | 0.220 | | |
| | 20cm | 3 | 1.132 | 0.223 | | |
| | 20cm | 4 | 1.139 | 0.208 | | |
| | 20cm | 5 | 1.134 | 0.218 | | |
| | 20cm | 6 | 1.132 | 0.227 | | |
| | 20cm | 7 | 1.137 | 0.218 | | |
| | 20cm | 8 | 1.129 | 0.227 | | |
| | 20cm | 9 | 1.134 | 0.221 | | |
| | 20cm | 10 | 1.136 | 0.221 | | |
| | 20cm | 11 | 1.134 | 0.228 | | |
| | 20cm | 12 | 1.128 | 0.223 | | |
| | 20cm | 13 | 1.134 | 0.229 | | |
| | 20cm | 14 | 1.135 | 0.223 | | |
| | 20cm | 15 | 1.137 | 0.220 | | |
| | 20cm | 16 | 1.134 | 0.220 | | |
| Limit | | | | | 83 | 90 |
| Margin Limit (%) | | | | | 1.45% | 0.26% |

Full Coil Ns

| Maximum Permissible Exposure | | | | | |
|---|---|---|---|---|---|
| | Charing coil | E-field Ratio | H-field Ratio | Full E-field Ratio | Full H-field Ratio |
| Charging AC 120V | 1 | 0.014 | 0.003 | 0.21 | 0.04 |
| | 2 | 0.014 | 0.002 | | |
| | 3 | 0.014 | 0.002 | | |
| | 4 | 0.014 | 0.002 | | |
| | 5 | 0.014 | 0.002 | | |
| | 7 | 0.014 | 0.002 | | |
| | 8 | 0.014 | 0.003 | | |
| | 9 | 0.014 | 0.002 | | |
| | 10 | 0.014 | 0.002 | | |
| | 11 | 0.014 | 0.003 | | |
| | 12 | 0.014 | 0.002 | | |
| | 13 | 0.014 | 0.003 | | |
| | 14 | 0.014 | 0.002 | | |
| | 15 | 0.014 | 0.002 | | |
| | 16 | 0.014 | 0.002 | | |
| Limit | | | | 1 | 1 |

Note:

1. The test frequency Coil 1 = 129KHz. Coil 2 = 127KHz Coil 3 = 127KHz Coil 4 = 125KHz Coil 5 = 128KHz Coil 6 = 128KHz Coil 7 = 132KHz Coil 8 = 131KHz Coil 9 = 126KHz Coil 10 = 128KHz Coil 11 = 119KHz Coil 12 = 133KHz Coil 13 = 125KHz Coil 14 = 123KHz Coil 15 = 130KHz Coil 16 = 128KHz

2. The fundamental is at least 20dB higher than the other spursious, so the strength and signal strength of the extra points of the frequency point are directly judged, and there is no need to measure the strength of multiple ranges to calculate the combined value.

3. Multiple transmission Limit= Coil 1/Limit+ Coil 2/Limit+ Coil 3/Limit+ Coil 4/Limit+ Coil 5/Limit+ Coil 6/Limit+ Coil 7/Limit+ Coil 8/Limit+ Coil 9/Limit+ Coil 10/Limit+ Coil 11/Limit+ Coil 12/Limit+ Coil 13/Limit+ Coil 14/Limit+ Coil 15+ Coil 16/Limit＜1

# MPE SETUP PHOTO

Front-Coil 1

Front-Coil 2

Front-Coil 3

Front-Coil 4

Left-Coil 1

Left-Coil 2

Left-Coil 3

Left-Coil 4

Rear-Coil 1

Rear-Coil 2

Rear-Coil 3

Rear-Coil 4

Right-Coil 1

Right-Coil 2

Right-Coil 3

Right-Coil 4

Top-Coil 1

Top-Coil 2

Top-Coil 3

Top-Coil 4

Top-Coil 5

Top-Coil -6

Top-Coil 7

Top-Coil 8

Top-Coil 9

Top-Coil 10

Top-Coil 11

Top-Coil 12

Top-Coil 13

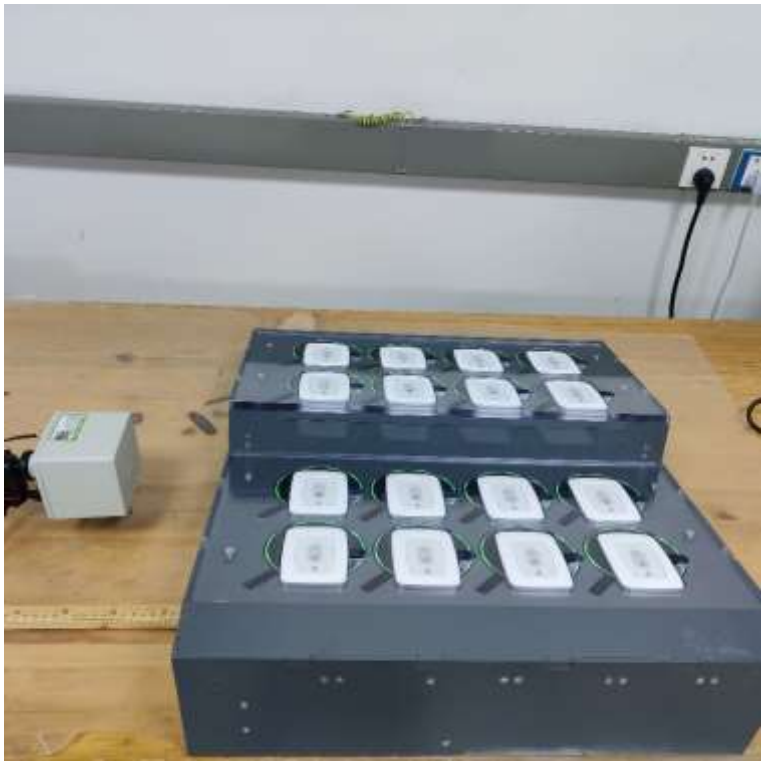
Top-Coil 14

Top-Coil 15

Top-Coil 16

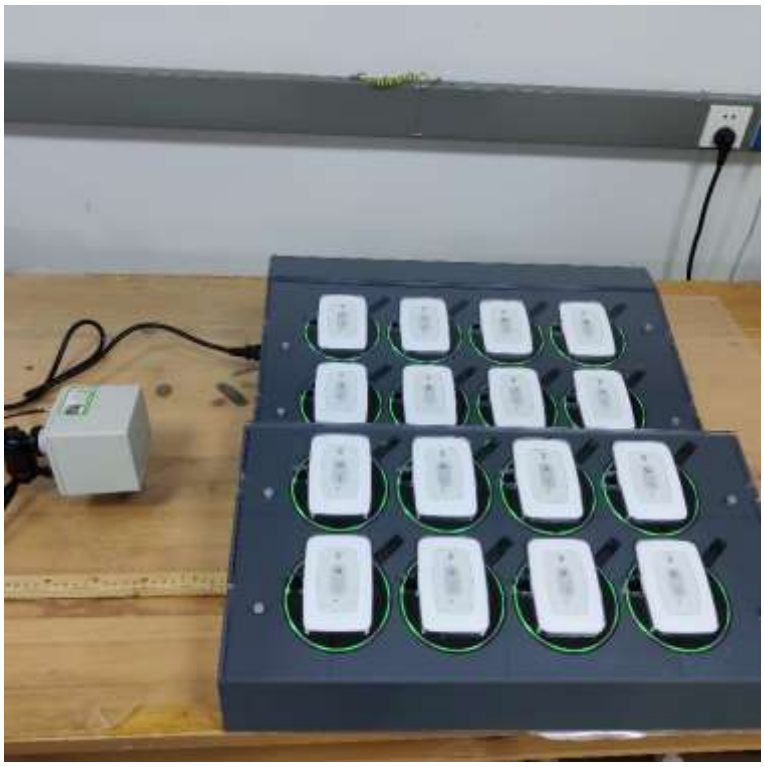
**Front**

**Left**

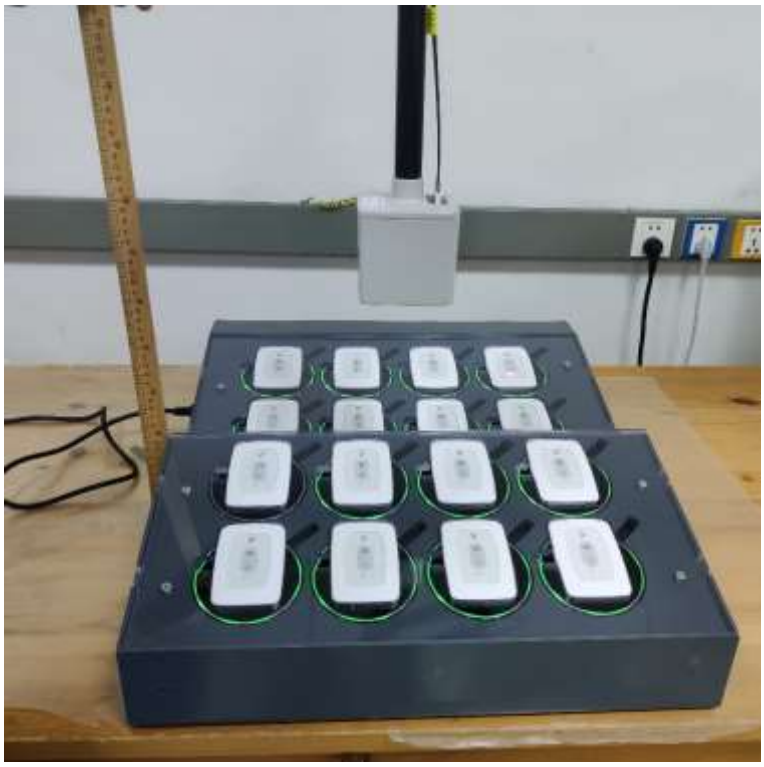


**REAR**

Right



**TOP**



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