

## RF Exposure Evaluation

**FCC ID: 2AZK8-C18PW**

### 1 Measuring 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.

### 2 Requirements

According to the item 3 of KDB 680106 D01v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

- (1) Mobile Device and Portable Device Configurations
- (2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz
- (3) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the top surface.

### Limits

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)

Limits for Maximum Permissible Exposure (MPE)

| 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                       |

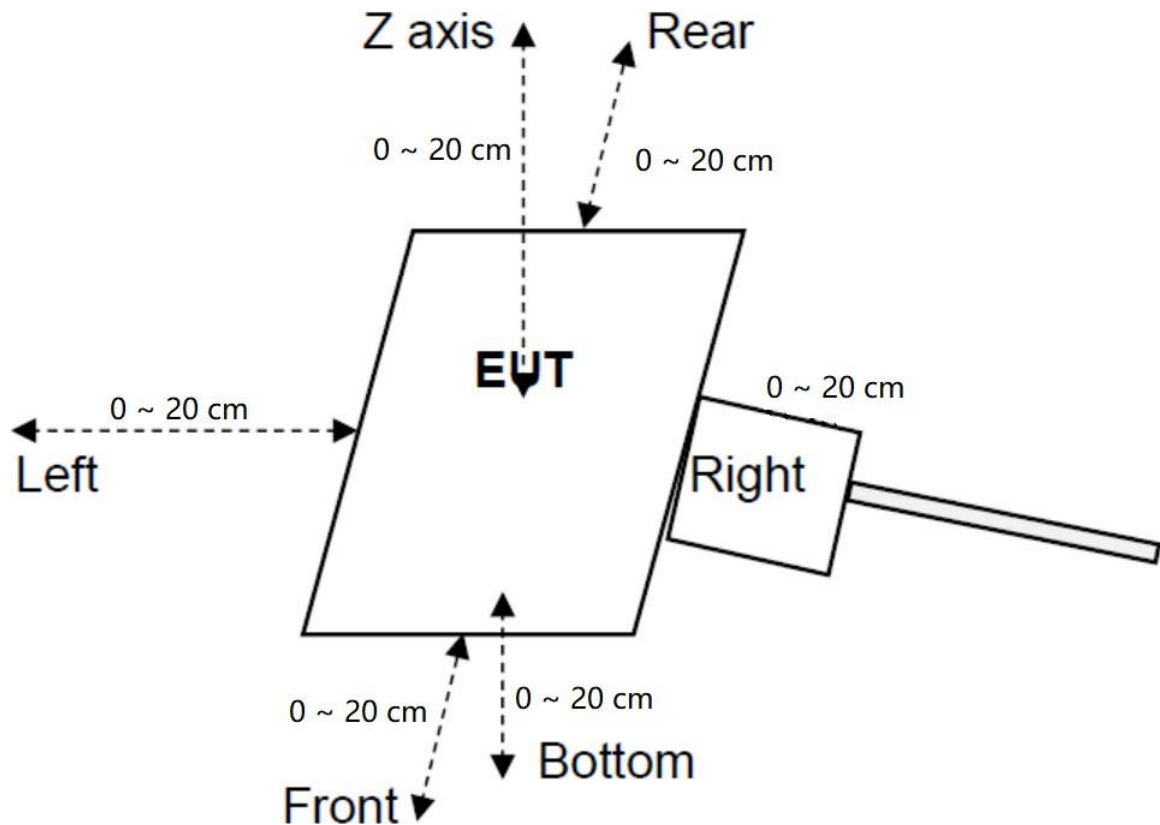
F=frequency in MHz  
 \*=Plane-wave equivalent power density  
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

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.

### 3 Test Setup



### 4 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (2cm increments from 0 ~ 20 cm for all sides) which is between the edge of the charger and the geometric edge of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.

Remark: The EUT's test position A, B, C, D, E and F is valid for the E and H field measurements.

## 5 Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

| Requirements of section 5 of KDB 680106 D01                                                                                                                                                                                                                                                                      | Yes / No | Description                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power transfer frequency is less than 1 MHz                                                                                                                                                                                                                                                                      | Yes      | The device operated in the frequency range 110KHZ-205KHZ.                                                                                                                                  |
| Output power from each primary coil is less than or equal to 15 watts                                                                                                                                                                                                                                            | Yes      | The maximum output power of the primary coil is 15W.                                                                                                                                       |
| The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time                                                                                                                          | Yes      | The transfer system includes 1 primary coils.                                                                                                                                              |
| Client device is placed directly in contact with the transmitter                                                                                                                                                                                                                                                 | Yes      | Client device is placed directly in contact with the transmitter                                                                                                                           |
| Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)                                                                                                                                                                                                                 | No       | EUT is a portable power bank                                                                                                                                                               |
| The aggregate E-field and H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit. | No       | H-field and E-field measurement 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 |

## 6 Description of the test mode

Equipment under test was operated during the measurement under the following conditions:

| Test Mode                                                                                                                                                                     | Description                     |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------|
| Mode 1                                                                                                                                                                        | EUT + Wireless charger receiver | Record |
| Note: 1. All test modes were pre-tested, but we only recorded the worst case in this report.<br>2. Unfolded and folded mode were tested, but we only recorded the worst case. |                                 |        |

## 7 Peripheral List

| No. | Equipment                 | Manufacturer | Model No. | Serial No. | Power cord | signal cable |
|-----|---------------------------|--------------|-----------|------------|------------|--------------|
| 1   | Wireless charger receiver | YBZ          | 15W       | N/A        | N/A        | N/A          |

## 8 Test Instruments list

| Test Equipment                               | Manufacturer | Model No.                        | SN.             | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
|----------------------------------------------|--------------|----------------------------------|-----------------|----------------------|--------------------------|
| Magnetic Amplitude and Gradient Probe System | SPEAG        | MAGPy-8H3D+E3D V2 & MAGPy-DAS V2 | SZ186-06 & 3061 | 04.13.2023           | 04.12.2024               |

| Parameter                           | Specs                                                                                       |
|-------------------------------------|---------------------------------------------------------------------------------------------|
| PROBE DESIGN                        |                                                                                             |
| 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)                                     |
| <i>H</i> -FIELD SPECIFICATION       |                                                                                             |
| 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                                                                                  |
| <i>E</i> -FIELD SPECIFICATION       |                                                                                             |
| Frequency range                     | 3 kHz–10 MHz                                                                                |
| Measurement range                   | 0.08–2000 V/m                                                                               |

## 9 Test Result

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 0cm              | < 1%           | Top                 | 13.61         | 1.31          |
| 0cm              | < 1%           | Bottom              | 13.64         | 1.34          |
| 0cm              | < 1%           | Left                | 13.64         | 1.31          |
| 0cm              | < 1%           | Right               | 13.61         | 1.33          |
| 0cm              | < 1%           | Front               | 13.77         | 1.39          |
| 0cm              | < 1%           | Rear                | 13.85         | 1.44          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.26%         | 88.34%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 0cm              | < 50%          | Top                 | 13.69         | 1.31          |
| 0cm              | < 50%          | Bottom              | 13.70         | 1.33          |
| 0cm              | < 50%          | Left                | 13.74         | 1.32          |
| 0cm              | < 50%          | Right               | 13.53         | 1.28          |
| 0cm              | < 50%          | Front               | 13.74         | 1.34          |
| 0cm              | < 50%          | Rear                | 13.91         | 1.34          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.27%         | 82.21%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 0cm              | < 99%          | Top                 | 13.63         | 1.18          |
| 0cm              | < 99%          | Bottom              | 13.76         | 1.36          |
| 0cm              | < 99%          | Left                | 13.71         | 1.34          |
| 0cm              | < 99%          | Right               | 13.48         | 1.22          |
| 0cm              | < 99%          | Front               | 13.80         | 1.30          |
| 0cm              | < 99%          | Rear                | 13.95         | 1.42          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.27%         | 87.12%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 2cm              | < 1%           | Top                 | 13.52         | 1.24          |
| 2cm              | < 1%           | Bottom              | 13.61         | 1.29          |
| 2cm              | < 1%           | Left                | 13.59         | 1.30          |
| 2cm              | < 1%           | Right               | 13.63         | 1.24          |
| 2cm              | < 1%           | Front               | 13.62         | 1.32          |
| 2cm              | < 1%           | Rear                | 13.58         | 1.26          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.08%         | 41.10%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 2cm              | < 50%          | Top                 | 13.64         | 1.23          |
| 2cm              | < 50%          | Bottom              | 13.47         | 1.35          |
| 2cm              | < 50%          | Left                | 13.59         | 1.40          |
| 2cm              | < 50%          | Right               | 13.45         | 1.24          |
| 2cm              | < 50%          | Front               | 13.62         | 1.50          |
| 2cm              | < 50%          | Rear                | 13.49         | 1.25          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.22%         | 92.02%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 2cm              | < 99%          | Top                 | 13.57         | 1.29          |
| 2cm              | < 99%          | Bottom              | 13.51         | 1.23          |
| 2cm              | < 99%          | Left                | 13.64         | 1.52          |
| 2cm              | < 99%          | Right               | 13.46         | 1.25          |
| 2cm              | < 99%          | Front               | 13.74         | 1.62          |
| 2cm              | < 99%          | Rear                | 13.51         | 1.22          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.24%         | 99.39%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 4cm              | < 1%           | Top                 | 13.39         | 1.21          |
| 4cm              | < 1%           | Bottom              | 13.53         | 1.19          |
| 4cm              | < 1%           | Left                | 13.50         | 1.20          |
| 4cm              | < 1%           | Right               | 13.50         | 1.19          |
| 4cm              | < 1%           | Front               | 13.54         | 1.12          |
| 4cm              | < 1%           | Rear                | 13.58         | 1.11          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.21%         | 74.23%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 4cm              | < 50%          | Top                 | 13.30         | 1.15          |
| 4cm              | < 50%          | Bottom              | 13.58         | 1.26          |
| 4cm              | < 50%          | Left                | 13.54         | 1.11          |
| 4cm              | < 50%          | Right               | 13.46         | 1.24          |
| 4cm              | < 50%          | Front               | 13.49         | 0.99          |
| 4cm              | < 50%          | Rear                | 13.59         | 1.09          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.21%         | 77.30%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 4cm              | < 99%          | Top                 | 13.47         | 1.21          |
| 4cm              | < 99%          | Bottom              | 13.65         | 1.15          |
| 4cm              | < 99%          | Left                | 13.51         | 1.04          |
| 4cm              | < 99%          | Right               | 13.38         | 1.12          |
| 4cm              | < 99%          | Front               | 13.52         | 1.06          |
| 4cm              | < 99%          | Rear                | 13.62         | 1.19          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.22%         | 74.23%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 6cm              | < 1%           | Top                 | 13.33         | 1.15          |
| 6cm              | < 1%           | Bottom              | 13.38         | 1.20          |
| 6cm              | < 1%           | Left                | 13.40         | 1.12          |
| 6cm              | < 1%           | Right               | 13.21         | 1.07          |
| 6cm              | < 1%           | Front               | 13.13         | 1.07          |
| 6cm              | < 1%           | Rear                | 13.11         | 1.00          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.18%         | 73.92%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 6cm              | < 50%          | Top                 | 13.37         | 1.27          |
| 6cm              | < 50%          | Bottom              | 13.33         | 0.98          |
| 6cm              | < 50%          | Left                | 13.39         | 1.15          |
| 6cm              | < 50%          | Right               | 13.46         | 1.10          |
| 6cm              | < 50%          | Front               | 13.40         | 1.08          |
| 6cm              | < 50%          | Rear                | 13.35         | 1.16          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.19%         | 77.91%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 6cm              | < 99%          | Top                 | 13.38         | 1.42          |
| 6cm              | < 99%          | Bottom              | 13.21         | 0.90          |
| 6cm              | < 99%          | Left                | 13.49         | 1.22          |
| 6cm              | < 99%          | Right               | 13.46         | 1.15          |
| 6cm              | < 99%          | Front               | 13.37         | 1.09          |
| 6cm              | < 99%          | Rear                | 13.27         | 1.22          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.20%         | 87.12%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 8cm              | < 1%           | Top                 | 13.18         | 1.10          |
| 8cm              | < 1%           | Bottom              | 13.32         | 1.07          |
| 8cm              | < 1%           | Left                | 13.49         | 1.04          |
| 8cm              | < 1%           | Right               | 13.58         | 1.09          |
| 8cm              | < 1%           | Front               | 13.58         | 1.10          |
| 8cm              | < 1%           | Rear                | 13.51         | 1.14          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.21%         | 69.94%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 8cm              | < 50%          | Top                 | 13.27         | 1.19          |
| 8cm              | < 50%          | Bottom              | 13.24         | 1.08          |
| 8cm              | < 50%          | Left                | 13.56         | 1.20          |
| 8cm              | < 50%          | Right               | 13.57         | 1.13          |
| 8cm              | < 50%          | Front               | 13.66         | 1.20          |
| 8cm              | < 50%          | Rear                | 13.42         | 1.22          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.22%         | 74.85%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 8cm              | < 99%          | Top                 | 13.24         | 1.21          |
| 8cm              | < 99%          | Bottom              | 13.18         | 1.06          |
| 8cm              | < 99%          | Left                | 13.47         | 1.28          |
| 8cm              | < 99%          | Right               | 13.72         | 1.21          |
| 8cm              | < 99%          | Front               | 13.80         | 1.16          |
| 8cm              | < 99%          | Rear                | 13.38         | 1.16          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.25%         | 78.53%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 10cm             | < 1%           | Top                 | 12.99         | 1.06          |
| 10cm             | < 1%           | Bottom              | 13.01         | 1.08          |
| 10cm             | < 1%           | Left                | 12.99         | 1.12          |
| 10cm             | < 1%           | Right               | 12.90         | 1.02          |
| 10cm             | < 1%           | Front               | 12.95         | 1.01          |
| 10cm             | < 1%           | Rear                | 12.95         | 0.98          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.12%         | 68.71%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 10cm             | < 50%          | Top                 | 12.90         | 1.08          |
| 10cm             | < 50%          | Bottom              | 13.05         | 1.15          |
| 10cm             | < 50%          | Left                | 13.01         | 1.30          |
| 10cm             | < 50%          | Right               | 12.81         | 1.06          |
| 10cm             | < 50%          | Front               | 12.87         | 1.17          |
| 10cm             | < 50%          | Rear                | 13.07         | 1.01          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.13%         | 79.75%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 10cm             | < 99%          | Top                 | 12.82         | 1.03          |
| 10cm             | < 99%          | Bottom              | 13.00         | 1.15          |
| 10cm             | < 99%          | Left                | 12.95         | 1.23          |
| 10cm             | < 99%          | Right               | 12.76         | 0.91          |
| 10cm             | < 99%          | Front               | 12.76         | 1.27          |
| 10cm             | < 99%          | Rear                | 13.06         | 0.94          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.13%         | 77.91%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 12cm             | < 1%           | Top                 | 12.85         | 0.92          |
| 12cm             | < 1%           | Bottom              | 12.88         | 0.99          |
| 12cm             | < 1%           | Left                | 12.97         | 0.99          |
| 12cm             | < 1%           | Right               | 12.91         | 1.00          |
| 12cm             | < 1%           | Front               | 12.96         | 0.95          |
| 12cm             | < 1%           | Rear                | 13.03         | 0.93          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.12%         | 61.35%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 12cm             | < 50%          | Top                 | 12.81         | 0.96          |
| 12cm             | < 50%          | Bottom              | 12.90         | 0.94          |
| 12cm             | < 50%          | Left                | 12.91         | 1.03          |
| 12cm             | < 50%          | Right               | 12.93         | 1.09          |
| 12cm             | < 50%          | Front               | 13.00         | 0.88          |
| 12cm             | < 50%          | Rear                | 13.06         | 0.84          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.13%         | 66.87%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 12cm             | < 99%          | Top                 | 12.82         | 0.86          |
| 12cm             | < 99%          | Bottom              | 12.89         | 1.05          |
| 12cm             | < 99%          | Left                | 12.86         | 1.06          |
| 12cm             | < 99%          | Right               | 12.89         | 1.10          |
| 12cm             | < 99%          | Front               | 12.98         | 0.92          |
| 12cm             | < 99%          | Rear                | 13.04         | 0.86          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.12%         | 67.48%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 14cm             | < 1%           | Top                 | 12.70         | 0.77          |
| 14cm             | < 1%           | Bottom              | 12.81         | 0.73          |
| 14cm             | < 1%           | Left                | 12.82         | 0.71          |
| 14cm             | < 1%           | Right               | 12.79         | 0.71          |
| 14cm             | < 1%           | Front               | 12.88         | 0.74          |
| 14cm             | < 1%           | Rear                | 12.85         | 0.70          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.10%         | 47.24%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 14cm             | < 50%          | Top                 | 12.87         | 0.83          |
| 14cm             | < 50%          | Bottom              | 12.76         | 0.68          |
| 14cm             | < 50%          | Left                | 12.91         | 0.74          |
| 14cm             | < 50%          | Right               | 12.74         | 0.88          |
| 14cm             | < 50%          | Front               | 12.95         | 0.68          |
| 14cm             | < 50%          | Rear                | 12.88         | 0.75          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.11%         | 53.99%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 14cm             | < 99%          | Top                 | 12.69         | 0.95          |
| 14cm             | < 99%          | Bottom              | 12.76         | 0.55          |
| 14cm             | < 99%          | Left                | 12.78         | 0.76          |
| 14cm             | < 99%          | Right               | 12.71         | 0.76          |
| 14cm             | < 99%          | Front               | 12.97         | 0.77          |
| 14cm             | < 99%          | Rear                | 12.79         | 0.80          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.11%         | 58.28%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 16cm             | < 1%           | Top                 | 12.51         | 0.69          |
| 16cm             | < 1%           | Bottom              | 12.59         | 0.72          |
| 16cm             | < 1%           | Left                | 12.61         | 0.71          |
| 16cm             | < 1%           | Right               | 12.63         | 0.76          |
| 16cm             | < 1%           | Front               | 12.69         | 0.72          |
| 16cm             | < 1%           | Rear                | 12.53         | 0.71          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.07%         | 46.63%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 16cm             | < 50%          | Top                 | 12.58         | 0.65          |
| 16cm             | < 50%          | Bottom              | 12.49         | 0.66          |
| 16cm             | < 50%          | Left                | 12.75         | 0.78          |
| 16cm             | < 50%          | Right               | 12.77         | 0.77          |
| 16cm             | < 50%          | Front               | 12.79         | 0.70          |
| 16cm             | < 50%          | Rear                | 12.63         | 0.59          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.08%         | 47.85%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 16cm             | < 99%          | Top                 | 12.60         | 0.65          |
| 16cm             | < 99%          | Bottom              | 12.45         | 0.83          |
| 16cm             | < 99%          | Left                | 12.67         | 0.73          |
| 16cm             | < 99%          | Right               | 12.80         | 0.65          |
| 16cm             | < 99%          | Front               | 12.80         | 0.87          |
| 16cm             | < 99%          | Rear                | 12.60         | 0.58          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.08%         | 53.37%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 18cm             | < 1%           | Top                 | 12.43         | 0.61          |
| 18cm             | < 1%           | Bottom              | 12.30         | 0.65          |
| 18cm             | < 1%           | Left                | 12.23         | 0.72          |
| 18cm             | < 1%           | Right               | 12.22         | 0.66          |
| 18cm             | < 1%           | Front               | 12.29         | 0.69          |
| 18cm             | < 1%           | Rear                | 12.20         | 0.73          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.02%         | 44.79%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 18cm             | < 50%          | Top                 | 12.27         | 0.65          |
| 18cm             | < 50%          | Bottom              | 12.27         | 0.68          |
| 18cm             | < 50%          | Left                | 12.39         | 0.57          |
| 18cm             | < 50%          | Right               | 12.09         | 0.68          |
| 18cm             | < 50%          | Front               | 12.40         | 0.81          |
| 18cm             | < 50%          | Rear                | 12.20         | 0.75          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.02%         | 49.69%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 18cm             | < 99%          | Top                 | 12.27         | 0.64          |
| 18cm             | < 99%          | Bottom              | 12.19         | 0.74          |
| 18cm             | < 99%          | Left                | 12.38         | 0.55          |
| 18cm             | < 99%          | Right               | 12.07         | 0.69          |
| 18cm             | < 99%          | Front               | 12.49         | 0.76          |
| 18cm             | < 99%          | Rear                | 12.23         | 0.62          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.03%         | 46.63%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 20cm             | < 1%           | Top                 | 12.19         | 0.54          |
| 20cm             | < 1%           | Bottom              | 12.22         | 0.52          |
| 20cm             | < 1%           | Left                | 12.34         | 0.53          |
| 20cm             | < 1%           | Right               | 12.30         | 0.55          |
| 20cm             | < 1%           | Front               | 12.36         | 0.56          |
| 20cm             | < 1%           | Rear                | 12.29         | 0.49          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.01%         | 34.36%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 20cm             | < 50%          | Top                 | 12.08         | 0.54          |
| 20cm             | < 50%          | Bottom              | 12.19         | 0.52          |
| 20cm             | < 50%          | Left                | 12.31         | 0.50          |
| 20cm             | < 50%          | Right               | 12.36         | 0.49          |
| 20cm             | < 50%          | Front               | 12.38         | 0.74          |
| 20cm             | < 50%          | Rear                | 12.30         | 0.36          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.02%         | 45.40%        |

| MPE              |                |                     |               |               |
|------------------|----------------|---------------------|---------------|---------------|
| Test distance    | Battery levels | Probe from EUT Side | E-field (V/m) | H-field (A/m) |
| 20cm             | < 99%          | Top                 | 12.00         | 0.57          |
| 20cm             | < 99%          | Bottom              | 12.05         | 0.67          |
| 20cm             | < 99%          | Left                | 12.31         | 0.58          |
| 20cm             | < 99%          | Right               | 12.23         | 0.38          |
| 20cm             | < 99%          | Front               | 12.31         | 0.82          |
| 20cm             | < 99%          | Rear                | 12.27         | 0.32          |
| Limit            |                |                     | 614           | 1.63          |
| Margin Limit (%) |                |                     | 2.00%         | 50.31%        |

## 10 Test Setup photo

0cm-Botton



0cm-Front



0cm-Left



0cm-Rear



0cm-Right



0cm-Top



\*\*\*End of report\*\*\*