

## RF EXPOSURE TEST REPORT

|           |                                                        |
|-----------|--------------------------------------------------------|
| Applicant | Belkin International, Inc.                             |
| Address   | 12045 East Waterfront Drive, Playa Vista, CA 90094 USA |

|                                     |                                                        |
|-------------------------------------|--------------------------------------------------------|
| Manufacturer or Supplier            | Belkin International, Inc.                             |
| Address                             | 12045 East Waterfront Drive, Playa Vista, CA 90094 USA |
| Product                             | BOOSTCHARGE Wireless Car Charger with Vent Mount 10W   |
| Additional Product                  | Wireless Car Charger with Vent Mount 10W               |
| Brand Name                          | belkin, playa                                          |
| Model                               | WIC001                                                 |
| Additional Model & Model Difference | PW0002, See items 1.1                                  |
| Date of tests                       | Mar. 16, 2020 ~ Aug. 19, 2020                          |

The submitted sample of the above equipment has been tested according to the requirements of the following standard:

- ☒ 47 CFR PART 1, Subpart I, Section 1.1310
- ☒ KDB 680106 D01

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Tested by Lucas Chen<br>Project Engineer / EMC Department                           | Approved by Glyn He<br>Assistant Manager/ EMC Department                                                        |
|  | <br><br>Data: Sep. 03, 2020 |

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Test Report No.: FS200316N007

## RELEASE CONTROL RECORD

| ISSUE NO.    | REASON FOR CHANGE | DATE ISSUED   |
|--------------|-------------------|---------------|
| FS200316N007 | Original release  | Sep. 03, 2020 |

## 1. GENERAL INFORMATION

### 1.1. GENERAL DESCRIPTION OF EUT

|                              |                                                                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCC ID</b>                | K7SWIC001                                                                                                                                                                                                                               |
| <b>PRODUCT</b>               | BOOSTCHARGE Wireless Car Charger with Vent Mount 10W                                                                                                                                                                                    |
| <b>ADDITIONAL PRODUCT</b>    | Wireless Car Charger with Vent Mount 10W                                                                                                                                                                                                |
| <b>MODEL NO.</b>             | WIC001                                                                                                                                                                                                                                  |
| <b>ADDITIONAL MODEL</b>      | PW0002                                                                                                                                                                                                                                  |
| <b>POWER SUPPLY</b>          | Car charger:<br>Input: DC 12-24V 3.5A<br>USB-A port 1 output: DC 3.6-6.5V 3A or 6.5-9V 2A or 9-12V 1.5A<br>USB-A port 2 output: DC 5V 2.4A<br>Wireless charger:<br>Input: DC 5V 2A or 9V 1.67A or 12V 1.5A<br>Output: 5W or 7.5W or 10W |
| <b>MODULATION TECHNOLOGY</b> | FSK                                                                                                                                                                                                                                     |
| <b>OPERATING FREQUENCY</b>   | 111-145KHz                                                                                                                                                                                                                              |
| <b>ANTENNA TYPE</b>          | Coil Antenna                                                                                                                                                                                                                            |
| <b>I/O PORTS</b>             | Refer to user's manual                                                                                                                                                                                                                  |
| <b>CABLE SUPPLIED</b>        | USB-A to USB-C cable: Shielded, detachable 1.2m                                                                                                                                                                                         |

#### NOTES:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
- Please refer to the EUT photo document (Reference No.: 200316N007) for detailed product photo.
- Additional model PW0002 is identical with test model WIC001 except the model no. for trading purpose.
- Model list:

| Product                                              | Brand  | Model no. |
|------------------------------------------------------|--------|-----------|
| BOOSTCHARGE Wireless Car Charger with Vent Mount 10W | belkin | WIC001    |
| Wireless Car Charger with Vent Mount 10W             | playa  | PW0002    |

## 2. RF EXPOSURE MEASUREMENT

### 2.1 LIMITS

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency range<br>(MHz)                                       | Electric field<br>strength<br>(V/m) | Magnetic field<br>strength<br>(A/m) | Power density<br>(mW/cm <sup>2</sup> ) | Averaging time<br>(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

NOTE 1 TO TABLE 1: Occupational/controlled 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 an individual 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 1: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

### Reference KDB 680106 D01 RF Exposure Wireless Charging App v03

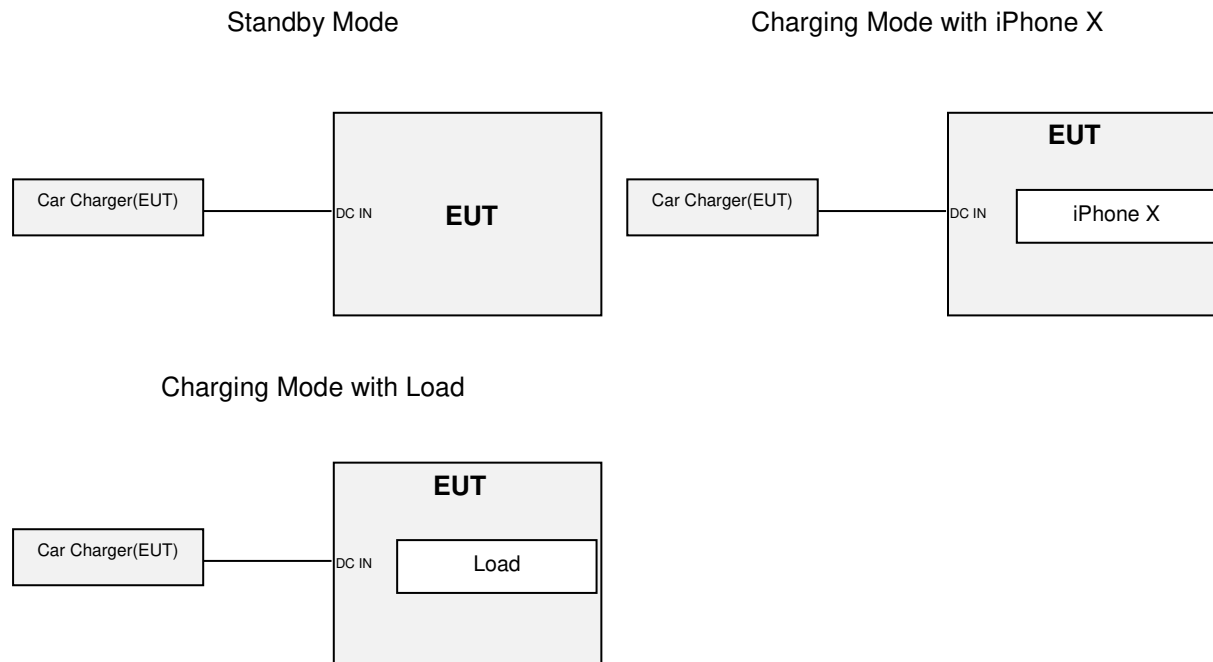
The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

### 2.2 DESCRIPTION OF SUPPORT UNITS

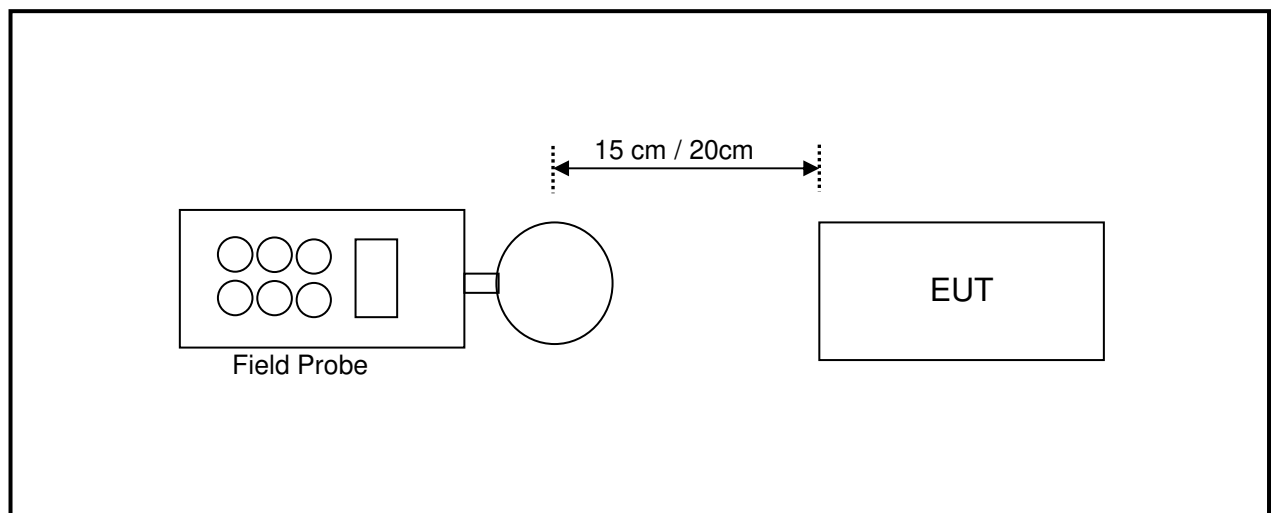
The EUT has been tested with associated equipment below

| NO. | PRODUCT   | BRAND    | MODEL NO. | SERIAL NO.   | FCC ID |
|-----|-----------|----------|-----------|--------------|--------|
| 1   | DC source | LONG WEI | PS-6403D  | 010934269    | N/A    |
| 2   | iPhone X  | Apple    | ML7F2CH/A | C6KQKXLAGRY8 | N/A    |

## 2.3 CONFIGURATION OF SYSTEM UNDER TEST



## 2.4 TEST SETUP FOR WPC



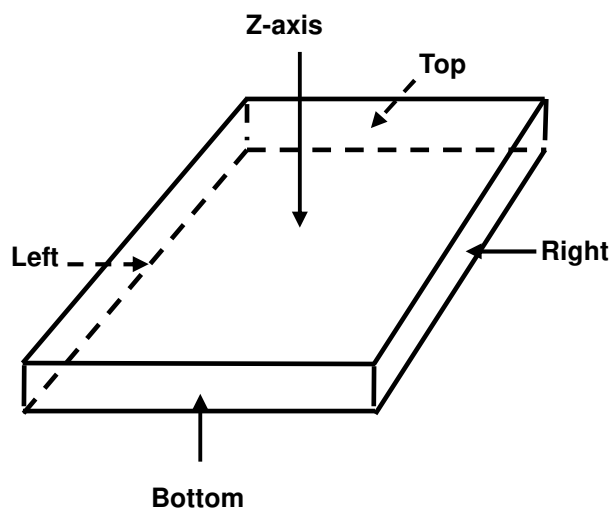
Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device.

## 2.5 EQUIPMENTS USED DURING TEST

| Item | Test Equipment           | Manufacturer | Model No. | S/No     | Due date.  |
|------|--------------------------|--------------|-----------|----------|------------|
| 1    | 3m Semi-Anechoic Chamber | ETS-LINDGREN | 7m*4m*3m  | NSEMC003 | 2021-03-19 |
| 2    | B-field Probe            | Narda        | Y2006     | L-0017   | 2020-12-23 |
| 3    | E-Field probe            | Narda        | NBM-520   | 2403/01B | 2020-12-23 |

**NOTE:** 1. The test was performed in RS chamber.  
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRG/CHINA and NIM/CHINA.

## 2.6 TEST POINT DESCRIPTION



## 2.7 TEST RESULTS

### Standby Mode 1

| E-Field Measurement |        |         |         |         |         |
|---------------------|--------|---------|---------|---------|---------|
| Distance            | 15cm   |         |         |         | 20cm    |
| EUT Side            | Left   | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.3    | 1.36    | 1.21    | 1.17    | 0.93    |
| Limit (V/m)         | 614    | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.7 | -612.64 | -612.79 | -612.83 | -613.07 |
| 50% Limit (V/m)     | 307    | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.7 | -305.64 | -305.79 | -305.83 | -306.07 |

| H-Field Measurement |         |         |         |         |        |
|---------------------|---------|---------|---------|---------|--------|
| Distance            | 15cm    |         |         |         | 20cm   |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis |
| Max H-field (uT)    | 0.238   | 0.279   | 0.233   | 0.262   | 0.255  |
| Max H-field (A/m)   | 0.1904  | 0.2232  | 0.1864  | 0.2096  | 0.204  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63   |
| Margin (A/m)        | -1.4396 | -1.4068 | -1.4436 | -1.4204 | -1.426 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815  |
| 50% Margin (A/m)    | -0.6246 | -0.5918 | -0.6286 | -0.6054 | -0.611 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

### Charging Mode2 with Charging Mode with iPhone X 10% Charger (at center)

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.59    | 1.35    | 1.18    | 1.88    | 0.61    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.41 | -612.65 | -612.82 | -612.12 | -613.39 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.41 | -305.65 | -305.82 | -305.12 | -306.39 |

| H-Field Measurement |         |        |         |         |         |
|---------------------|---------|--------|---------|---------|---------|
| Distance            | 15cm    |        |         |         | 20cm    |
| EUT Side            | Left    | Right  | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.249   | 0.265  | 0.237   | 0.263   | 0.256   |
| Max H-field (A/m)   | 0.1992  | 0.212  | 0.1896  | 0.2104  | 0.2048  |
| Limit (A/m)         | 1.63    | 1.63   | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4308 | -1.418 | -1.4404 | -1.4196 | -1.4252 |
| 50% Limit (A/m)     | 0.815   | 0.815  | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6158 | -0.603 | -0.6254 | -0.6046 | -0.6102 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode3 with Charging Mode with iPhone X 10% Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.69    | 1.27    | 1.8    | 1.51    | 0.66    |
| Limit (V/m)         | 614     | 614     | 614    | 614     | 614     |
| Margin (V/m)        | -612.31 | -612.73 | -612.2 | -612.49 | -613.34 |
| 50% Limit (V/m)     | 307     | 307     | 307    | 307     | 307     |
| 50% Margin (V/m)    | -305.31 | -305.73 | -305.2 | -305.49 | -306.34 |

| H-Field Measurement |         |        |         |         |        |
|---------------------|---------|--------|---------|---------|--------|
| Distance            | 15cm    |        |         |         | 20cm   |
| EUT Side            | Left    | Right  | Top     | Bottom  | Z-axis |
| Max H-field (uT)    | 0.237   | 0.26   | 0.239   | 0.268   | 0.255  |
| Max H-field (A/m)   | 0.1896  | 0.208  | 0.1912  | 0.2144  | 0.204  |
| Limit (A/m)         | 1.63    | 1.63   | 1.63    | 1.63    | 1.63   |
| Margin (A/m)        | -1.4404 | -1.422 | -1.4388 | -1.4156 | -1.426 |
| 50% Limit (A/m)     | 0.815   | 0.815  | 0.815   | 0.815   | 0.815  |
| 50% Margin (A/m)    | -0.6254 | -0.607 | -0.6238 | -0.6006 | -0.611 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode4 with Charging Mode with iPhone X 10% 3mm airgap Charger ( at center)**

| E-Field Measurement |         |         |         |         |        |
|---------------------|---------|---------|---------|---------|--------|
| Distance            | 15cm    |         |         |         | 20cm   |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis |
| Max E-field (V/m)   | 1.55    | 1.23    | 0.78    | 2.09    | 0.6    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614    |
| Margin (V/m)        | -612.45 | -612.77 | -613.22 | -611.91 | -613.4 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307    |
| 50% Margin (V/m)    | -305.45 | -305.77 | -306.22 | -304.91 | -306.4 |

| H-Field Measurement |        |         |         |         |         |
|---------------------|--------|---------|---------|---------|---------|
| Distance            | 15cm   |         |         |         | 20cm    |
| EUT Side            | Left   | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.255  | 0.276   | 0.257   | 0.268   | 0.272   |
| Max H-field (A/m)   | 0.204  | 0.2208  | 0.2056  | 0.2144  | 0.2176  |
| Limit (A/m)         | 1.63   | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.426 | -1.4092 | -1.4244 | -1.4156 | -1.4124 |
| 50% Limit (A/m)     | 0.815  | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.611 | -0.5942 | -0.6094 | -0.6006 | -0.5974 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode5 with Charging Mode with iPhone X 10% 3mm airgap Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.86    | 1.63    | 0.76    | 2.18    | 0.74    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.14 | -612.37 | -613.24 | -611.82 | -613.26 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.14 | -305.37 | -306.24 | -304.82 | -306.26 |

| H-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.239   | 0.293   | 0.246   | 0.264   | 0.258   |
| Max H-field (A/m)   | 0.1912  | 0.2344  | 0.1968  | 0.2112  | 0.2064  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4388 | -1.3956 | -1.4332 | -1.4188 | -1.4236 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6238 | -0.5806 | -0.6182 | -0.6038 | -0.6086 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode6 with Charging Mode with iPhone X 50% Charger (at center)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.43    | 1.01    | 1.99    | 1.92    | 0.63    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.57 | -612.99 | -612.01 | -612.08 | -613.37 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.57 | -305.99 | -305.01 | -305.08 | -306.37 |

| H-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.241   | 0.286   | 0.251   | 0.266   | 0.273   |
| Max H-field (A/m)   | 0.1928  | 0.2288  | 0.2008  | 0.2128  | 0.2184  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4372 | -1.4012 | -1.4292 | -1.4172 | -1.4116 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6222 | -0.5862 | -0.6142 | -0.6022 | -0.5966 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode 7 with Charging Mode with iPhone X 50% Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.72    | 1.45    | 1.8    | 1.92    | 0.53    |
| Limit (V/m)         | 614     | 614     | 614    | 614     | 614     |
| Margin (V/m)        | -612.28 | -612.55 | -612.2 | -612.08 | -613.47 |
| 50% Limit (V/m)     | 307     | 307     | 307    | 307     | 307     |
| 50% Margin (V/m)    | -305.28 | -305.55 | -305.2 | -305.08 | -306.47 |

| H-Field Measurement |         |        |         |         |         |
|---------------------|---------|--------|---------|---------|---------|
| Distance            | 15cm    |        |         |         | 20cm    |
| EUT Side            | Left    | Right  | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.243   | 0.28   | 0.241   | 0.267   | 0.254   |
| Max H-field (A/m)   | 0.1944  | 0.224  | 0.1928  | 0.2136  | 0.2032  |
| Limit (A/m)         | 1.63    | 1.63   | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4356 | -1.406 | -1.4372 | -1.4164 | -1.4268 |
| 50% Limit (A/m)     | 0.815   | 0.815  | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6206 | -0.591 | -0.6222 | -0.6014 | -0.6118 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode8 with Charging Mode with iPhone X 50% 3mm airgap Charger (at center)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.39    | 1.33    | 0.81    | 2.37    | 0.66    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.61 | -612.67 | -613.19 | -611.63 | -613.34 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.61 | -305.67 | -306.19 | -304.63 | -306.34 |

| H-Field Measurement |        |         |        |         |         |
|---------------------|--------|---------|--------|---------|---------|
| Distance            | 15cm   |         |        |         | 20cm    |
| EUT Side            | Left   | Right   | Top    | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.245  | 0.284   | 0.245  | 0.262   | 0.254   |
| Max H-field (A/m)   | 0.196  | 0.2272  | 0.196  | 0.2096  | 0.2032  |
| Limit (A/m)         | 1.63   | 1.63    | 1.63   | 1.63    | 1.63    |
| Margin (A/m)        | -1.434 | -1.4028 | -1.434 | -1.4204 | -1.4268 |
| 50% Limit (A/m)     | 0.815  | 0.815   | 0.815  | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.619 | -0.5878 | -0.619 | -0.6054 | -0.6118 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode9 with Charging Mode with iPhone X 50% 3mm airgap Charger (shift 5mm to Top)**

| E-Field Measurement |         |        |         |         |         |
|---------------------|---------|--------|---------|---------|---------|
| Distance            | 15cm    |        |         |         | 20cm    |
| EUT Side            | Left    | Right  | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.88    | 1.2    | 0.69    | 1.82    | 0.83    |
| Limit (V/m)         | 614     | 614    | 614     | 614     | 614     |
| Margin (V/m)        | -612.12 | -612.8 | -613.31 | -612.18 | -613.17 |
| 50% Limit (V/m)     | 307     | 307    | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.12 | -305.8 | -306.31 | -305.18 | -306.17 |

| H-Field Measurement |        |         |         |         |         |
|---------------------|--------|---------|---------|---------|---------|
| Distance            | 15cm   |         |         |         | 20cm    |
| EUT Side            | Left   | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.25   | 0.272   | 0.263   | 0.266   | 0.264   |
| Max H-field (A/m)   | 0.2    | 0.2176  | 0.2104  | 0.2128  | 0.2112  |
| Limit (A/m)         | 1.63   | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.43  | -1.4124 | -1.4196 | -1.4172 | -1.4188 |
| 50% Limit (A/m)     | 0.815  | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.615 | -0.5974 | -0.6046 | -0.6022 | -0.6038 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode10 with Charging Mode with iPhone X 90% Charger (at center)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 2.16    | 1.33    | 1.79    | 2.05    | 0.59    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -611.84 | -612.67 | -612.21 | -611.95 | -613.41 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -304.84 | -305.67 | -305.21 | -304.95 | -306.41 |

| H-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.236   | 0.299   | 0.237   | 0.263   | 0.252   |
| Max H-field (A/m)   | 0.1888  | 0.2392  | 0.1896  | 0.2104  | 0.2016  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4412 | -1.3908 | -1.4404 | -1.4196 | -1.4284 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6262 | -0.5758 | -0.6254 | -0.6046 | -0.6134 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode11 with Charging Mode with iPhone X 90% Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 2.21    | 1.21    | 2.05    | 2.49    | 0.68    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -611.79 | -612.79 | -611.95 | -611.51 | -613.32 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -304.79 | -305.79 | -304.95 | -304.51 | -306.32 |

| H-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.242   | 0.288   | 0.238   | 0.262   | 0.283   |
| Max H-field (A/m)   | 0.1936  | 0.2304  | 0.1904  | 0.2096  | 0.2264  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4364 | -1.3996 | -1.4396 | -1.4204 | -1.4036 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6214 | -0.5846 | -0.6246 | -0.6054 | -0.5886 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode12 with Charging Mode with iPhone X 90% 3mm airgap Charger (at center)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.79    | 1.51    | 0.81    | 2.12    | 0.62    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.21 | -612.49 | -613.19 | -611.88 | -613.38 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.21 | -305.49 | -306.19 | -304.88 | -306.38 |

| H-Field Measurement |         |         |        |         |        |
|---------------------|---------|---------|--------|---------|--------|
| Distance            | 15cm    |         |        |         | 20cm   |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis |
| Max H-field (uT)    | 0.241   | 0.292   | 0.24   | 0.264   | 0.285  |
| Max H-field (A/m)   | 0.1928  | 0.2336  | 0.192  | 0.2112  | 0.228  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63   | 1.63    | 1.63   |
| Margin (A/m)        | -1.4372 | -1.3964 | -1.438 | -1.4188 | -1.402 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815  | 0.815   | 0.815  |
| 50% Margin (A/m)    | -0.6222 | -0.5814 | -0.623 | -0.6038 | -0.587 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode13 with Charging Mode with iPhone X 90% 3mm airgap Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 0.94    | 1.42    | 0.75    | 1.66    | 0.65    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -613.06 | -612.58 | -613.25 | -612.34 | -613.35 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -306.06 | -305.58 | -306.25 | -305.34 | -306.35 |

| H-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.249   | 0.294   | 0.24   | 0.262   | 0.261   |
| Max H-field (A/m)   | 0.1992  | 0.2352  | 0.192  | 0.2096  | 0.2088  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63   | 1.63    | 1.63    |
| Margin (A/m)        | -1.4308 | -1.3948 | -1.438 | -1.4204 | -1.4212 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815  | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6158 | -0.5798 | -0.623 | -0.6054 | -0.6062 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode14 with Charging Mode with Load Charger (at center)**

| E-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.63    | 1.65    | 1.7    | 1.77    | 0.51    |
| Limit (V/m)         | 614     | 614     | 614    | 614     | 614     |
| Margin (V/m)        | -612.37 | -612.35 | -612.3 | -612.23 | -613.49 |
| 50% Limit (V/m)     | 307     | 307     | 307    | 307     | 307     |
| 50% Margin (V/m)    | -305.37 | -305.35 | -305.3 | -305.23 | -306.49 |

| H-Field Measurement |        |         |         |         |         |
|---------------------|--------|---------|---------|---------|---------|
| Distance            | 15cm   |         |         |         | 20cm    |
| EUT Side            | Left   | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.255  | 0.274   | 0.239   | 0.271   | 0.283   |
| Max H-field (A/m)   | 0.204  | 0.2192  | 0.1912  | 0.2168  | 0.2264  |
| Limit (A/m)         | 1.63   | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.426 | -1.4108 | -1.4388 | -1.4132 | -1.4036 |
| 50% Limit (A/m)     | 0.815  | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.611 | -0.5958 | -0.6238 | -0.5982 | -0.5886 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode15 with Charging Mode with Load Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.85    | 1.24    | 2.17    | 2.07    | 0.55    |
| Limit (V/m)         | 614     | 614     | 614     | 614     | 614     |
| Margin (V/m)        | -612.15 | -612.76 | -611.83 | -611.93 | -613.45 |
| 50% Limit (V/m)     | 307     | 307     | 307     | 307     | 307     |
| 50% Margin (V/m)    | -305.15 | -305.76 | -304.83 | -304.93 | -306.45 |

| H-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.243   | 0.266   | 0.239   | 0.267   | 0.258   |
| Max H-field (A/m)   | 0.1944  | 0.2128  | 0.1912  | 0.2136  | 0.2064  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4356 | -1.4172 | -1.4388 | -1.4164 | -1.4236 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6206 | -0.6022 | -0.6238 | -0.6014 | -0.6086 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode16 with Charging Mode with Load 3mm airgap Charger (at center)**

| E-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.61    | 1.51    | 0.8    | 1.71    | 0.93    |
| Limit (V/m)         | 614     | 614     | 614    | 614     | 614     |
| Margin (V/m)        | -612.39 | -612.49 | -613.2 | -612.29 | -613.07 |
| 50% Limit (V/m)     | 307     | 307     | 307    | 307     | 307     |
| 50% Margin (V/m)    | -305.39 | -305.49 | -306.2 | -305.29 | -306.07 |

| H-Field Measurement |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Distance            | 15cm    |         |         |         | 20cm    |
| EUT Side            | Left    | Right   | Top     | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.249   | 0.297   | 0.257   | 0.267   | 0.266   |
| Max H-field (A/m)   | 0.1992  | 0.2376  | 0.2056  | 0.2136  | 0.2128  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63    | 1.63    | 1.63    |
| Margin (A/m)        | -1.4308 | -1.3924 | -1.4244 | -1.4164 | -1.4172 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815   | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6158 | -0.5774 | -0.6094 | -0.6014 | -0.6022 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

**Charging Mode17 with Charging Mode with Load 3mm airgap Charger (shift 5mm to Top)**

| E-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max E-field (V/m)   | 1.36    | 1.23    | 0.9    | 1.99    | 0.55    |
| Limit (V/m)         | 614     | 614     | 614    | 614     | 614     |
| Margin (V/m)        | -612.64 | -612.77 | -613.1 | -612.01 | -613.45 |
| 50% Limit (V/m)     | 307     | 307     | 307    | 307     | 307     |
| 50% Margin (V/m)    | -305.64 | -305.77 | -306.1 | -305.01 | -306.45 |

| H-Field Measurement |         |         |        |         |         |
|---------------------|---------|---------|--------|---------|---------|
| Distance            | 15cm    |         |        |         | 20cm    |
| EUT Side            | Left    | Right   | Top    | Bottom  | Z-axis  |
| Max H-field (uT)    | 0.242   | 0.281   | 0.25   | 0.272   | 0.324   |
| Max H-field (A/m)   | 0.1936  | 0.2248  | 0.2    | 0.2176  | 0.2592  |
| Limit (A/m)         | 1.63    | 1.63    | 1.63   | 1.63    | 1.63    |
| Margin (A/m)        | -1.4364 | -1.4052 | -1.43  | -1.4124 | -1.3708 |
| 50% Limit (A/m)     | 0.815   | 0.815   | 0.815  | 0.815   | 0.815   |
| 50% Margin (A/m)    | -0.6214 | -0.5902 | -0.615 | -0.5974 | -0.5558 |

Measurements was made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.



Test Report No.: FS200316N007

## PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).