

**FCC Part 1 Subpart I  
FCC Part 2 Subpart J**

**TEST REPORT**

**FOR**

**AMBULATORY ELECTROCARDIOGRAM CHARGING BASE & GATEWAY**

**MODEL NO: MOME ARC CHARGER, MOME ARC GATEWAY**

**FCC ID: 2AHLC01858 (Charger), 2AHLC01856 (Gateway)**

**REPORT NUMBER: R14275554-E10 v5**

**ISSUE DATE: 2024-01-08**

**Prepared for  
INFOBIONIC, INC  
400 TOTTEN POND RD STE 315  
WALTHAM, MA 02451, U.S.A.**

**Prepared by  
UL LLC  
12 LABORATORY DR.  
RESEARCH TRIANGLE PARK, NC 27709 USA  
TEL: (919) 549-1400**



Revision History

| <u>Rev.</u> | <u>Issue Date</u> | <u>Revisions</u>                                                                                                                                                                                                         | <u>Revised By</u>        |
|-------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <u>V1</u>   | <u>2023-10-03</u> | <u>Initial Issue</u>                                                                                                                                                                                                     | <u>Niklas Haydon</u>     |
| <u>V2</u>   | <u>2023-10-13</u> | <u>Added E-Field measurements for configuration 4 to §8.3.</u>                                                                                                                                                           | <u>Richard Jankovics</u> |
| <u>V3</u>   | <u>2023-11-21</u> | <u>Removed setup photos</u><br><u>Added setup photos exhibit reference.</u>                                                                                                                                              | <u>Brian Kiewra</u>      |
| <u>V4</u>   | <u>2024-01-02</u> | <u>§5.2 Added diagram for the device separation under the Measurement Setup.</u><br><u>§8.3 Updated data and explanation of duty cycle for Configuration 4 – Portable use RF Exposure.</u>                               | <u>Richard Jankovics</u> |
| <u>V5</u>   | <u>2024-01-08</u> | <u>§8.2 Added clarification of probe distances for portable configuration.</u><br><u>§8.3 Added clarification of test conditions.</u><br><u>Updated measurement data for Configuration 4 – Portable use RF Exposure.</u> | <u>Richard Jankovics</u> |

## TABLE OF CONTENTS

|                                                              |           |
|--------------------------------------------------------------|-----------|
| <b>1. ATTESTATION OF TEST RESULTS.....</b>                   | <b>4</b>  |
| <b>2. TEST METHODOLOGY .....</b>                             | <b>5</b>  |
| <b>3. FACILITIES AND ACCREDITATION.....</b>                  | <b>5</b>  |
| <b>4. DECISION RULES AND MEASUREMENT UNCERTAINTY.....</b>    | <b>6</b>  |
| 4.1. METROLOGICAL TRACEABILITY .....                         | 6         |
| 4.2. DECISION RULES .....                                    | 6         |
| 4.3. MEASUREMENT UNCERTAINTY .....                           | 6         |
| <b>5. EQUIPMENT UNDER TEST .....</b>                         | <b>7</b>  |
| 5.1. DESCRIPTION OF EUT.....                                 | 7         |
| 5.2. DESCRIPTION OF TEST SETUP.....                          | 7         |
| <b>6. TEST AND MEASUREMENT EQUIPMENT .....</b>               | <b>11</b> |
| <b>7. DUTY CYCLE.....</b>                                    | <b>12</b> |
| <b>8. MAXIMUM PERMISSIBLE RF EXPOSURE TEST RESULTS .....</b> | <b>15</b> |
| 8.1. FCC LIMITS.....                                         | 15        |
| 8.2. SUMMARY OF TEST RESULTS .....                           | 15        |
| 8.3. DETAILED TEST RESULTS .....                             | 17        |
| <b>9. SETUP PHOTO .....</b>                                  | <b>21</b> |
| <b>END OF REPORT .....</b>                                   | <b>21</b> |

## 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** InfoBionic, Inc  
400 Totten Pond Rd STE 315  
Waltham, MA 02451, U.S.A

**EUT DESCRIPTION:** Ambulatory Electrocardiogram Charging Base & Gateway

**MODEL NUMBER:** MoMe ARC Charger, MoMe ARC Gateway

**SERIAL NUMBER:** Charger (MIB2007), Gateway(MIB2008)

**DATE TESTED:** 2022-11-14 to 2022-11-30, 2023-06-06

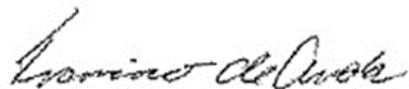
| APPLICABLE STANDARDS                    |              |
|-----------------------------------------|--------------|
| STANDARD                                | TEST RESULTS |
| FCC PART 1 SUBPART I & PART 2 SUBPART J | Complies     |

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

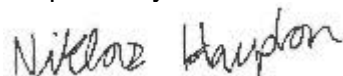
This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.

Approved & Released For  
UL LLC By:



Francisco de Anda  
Staff Engineer  
Consumer Technology Division  
UL LLC

Prepared By:



Niklas Haydon  
Operations Leader  
Consumer Technology Division  
UL LLC

## 2. TEST METHODOLOGY

All testing / calculations were made in accordance with FCC KDB 447498 D01, KDB 447498 D03, KDB 680106 D01 v03 and FCC OET Bulletin 65 Edition 97-01.

## 3. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, Certificate Number 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

|                                     | Address                                                                           | ISED CABID | ISED Company Number | FCC Registration |
|-------------------------------------|-----------------------------------------------------------------------------------|------------|---------------------|------------------|
| <input type="checkbox"/>            | Building<br>12 Laboratory Dr<br>RTP, NC 27709, U.S.A                              | US0067     | 2180C               | 825374           |
| <input checked="" type="checkbox"/> | Building<br>2800 Suite Perimeter Park Dr. Suite B<br>Morrisville, NC 27560, U.S.A | US0067     | 27265               | 825374           |

## 4. DECISION RULES AND MEASUREMENT UNCERTAINTY

### 4.1. METROLOGICAL TRACEABILITY

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

### 4.2. DECISION RULES

For all tests where the applicable  $U_{LAB} \leq U_{MAX}$  the Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2, where  $U_{MAX} = 30\%$  (0.3) for RF Exposure evaluations. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

For all tests where the applicable  $U_{LAB} > U_{MAX}$  the Decision Rule is based on Guarded Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.3.2, with a guard band equal to  $(U_{LAB} - U_{MAX})$ , where  $U_{MAX} = 30\%$  (0.3) for RF Exposure evaluations. (Test results are adjusted by the value of the guard band to determine conformity with a specified requirement.)

### 4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER                                 | $U_{Lab}$   |
|-------------------------------------------|-------------|
| Magnetic Field using Exposure Level Meter | +/- 0.80 dB |
| Electric Field using Exposure Level Meter | +/- 0.91 dB |
| Time                                      | 3.39%       |

Uncertainty figures are valid to a confidence level of 95%,  $k = 2$ .

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

The EUT is made up of three devices. The base charges the gateway and the gateway charges the sensor. The operating frequencies for the sources and loads are as follows:

- Base is a source at 110kHz-200kHz
- Gateway is a load at 110kHz-200kHz
- Gateway is a source at 1MHz
- Sensor is a load at 1MHz

### 5.2. DESCRIPTION OF TEST SETUP

#### SUPPORT EQUIPMENT

| Support Equipment List |              |                 |               |            |
|------------------------|--------------|-----------------|---------------|------------|
| Description            | Manufacturer | Model           | Serial Number | FCC ID     |
| AC Adapter             | HDP          | HDP12-MD05024U  | N/A           | N/A        |
| Terminated Lead Set    | Infobionic   | N/A             | N/A           | N/A        |
| Sensor                 | Infobionic   | MoMe ARC Sensor | IB1033        | 2AHLC01857 |

#### I/O CABLES

| I/O Cable List |      |                      |                |            |                  |             |
|----------------|------|----------------------|----------------|------------|------------------|-------------|
| Cable No.      | Port | # of Identical Ports | Connector Type | Cable Type | Cable Length (m) | Remarks     |
| 1              | USB  | 1                    | USB            | Shielded   | <3m              | Power Cable |
| 2              | N/A  | 3                    | Leads          | Shielded   | <3m              | Lead Cables |

## **TEST SETUP**

The following two configurations are tested:

| Configuration | Mode                                                                                                                                                                                   | Descriptions                                                                                                |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 1             | Standby<br>Note: < 10% Power Detecting                                                                                                                                                 | Charger alone powered by AC/DC adapter in desktop configuration                                             |
| 2             | Operating (Charger)<br>Note: Measurements were made when the battery level of the load was at a state of <10%, 50%, >90% and 100%.<br>Standby (Gateway)<br>Note: < 10% Power Detecting | Charger powered by AC/DC adapter charging Gateway in desktop configuration                                  |
| 3             | Operating<br>Note: Measurements were made when the battery level of the load was at a state of <10%, 50%, >90% and 100%.                                                               | Charger powered by AC/DC adapter charging Gateway power by battery charging Sensor in desktop configuration |
| 4             | Operating<br>Note: Measurements were made when the battery level of the load was at worst-case found in Config 3 (>90%).                                                               | Gateway powered by battery charging Sensor in portable configuration                                        |



## **MEASUREMENT SETUP**

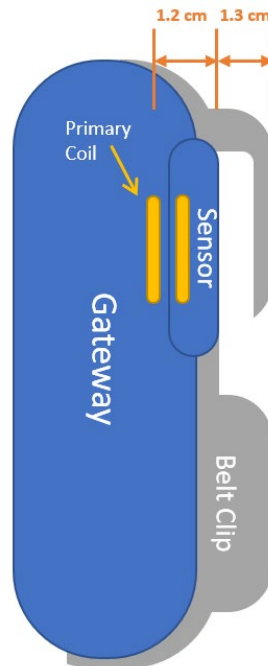
For desktop configuration, the measurement was taken using a probe placed 15cm surrounding the device and 20cm above the top surface of the EUT.

For portable configuration, the measurement was taken using a probe placed 0cm surrounding the device including front and back of the EUT.

Measurements were taken from the top and all sides of the EUT per KDB 680106 D01 v03.

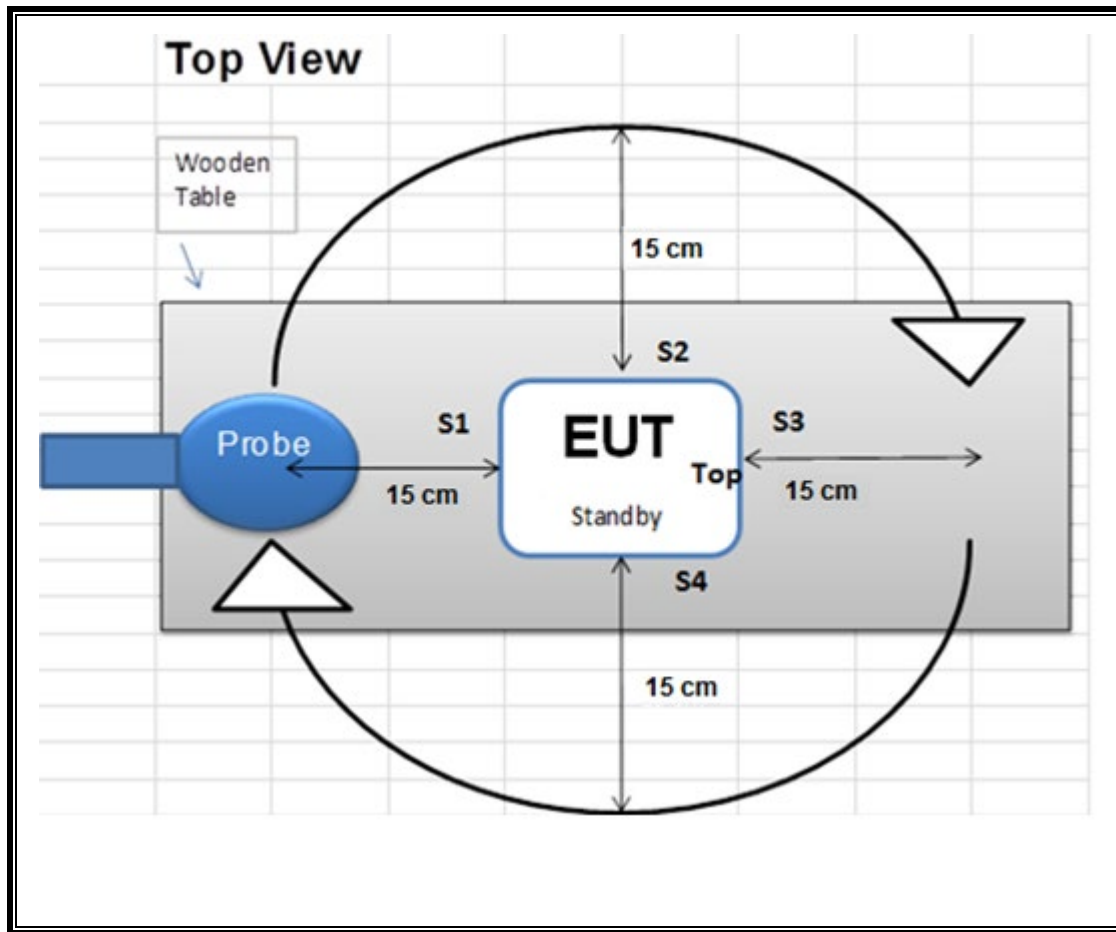
For Portable configuration, measurements were made from the back surface with the worst-case battery charge state from configuration 3 (>90%). Measurement sensor could not be placed at 0 cm separation distance for all axis. Pursuant to FCC guidance in the TCBC Workshop April 2022 WPT Updates presentation, measurements were made as close to device as possible (probe radius = 4.6 cm), and out at 2 cm steps from device. The field is determined through numerical calculation based on the distance from the transmitting coil, which is 1.2 cm within the device. The calculated field is then validated to be within 30% of the measured values for the two closed points measured. Once validated, the numerical calculation can be used to report the field at the actual use.

Please note: the Gateway's belt clip provides 1.3 cm of separation distance to the surface of the Gateway. Testing was performed with the clip removed to allow probe placement as close as possible to the surface of the Gateway. The total distance between the transmitting coil and the user would be 1.2 cm (coil to surface) + 1.3 (surface to user) = 2.5 cm. This value is used in the numerical calculation of the field strength.



Note: Duty cycle for portable use is reduced to 50%. Testing was performed at 100% and corrected down.

CONFIGURATIONS 1-3



## 6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment were used for the tests documented in this report:

| Test Equipment List  |              |           |            |            |            |
|----------------------|--------------|-----------|------------|------------|------------|
| Description          | Manufacturer | Model     | Equip. ID  | Cal Date   | Cal Due    |
| Exposure Level Meter | Narda        | EHP-200AC | 170WX80318 | 2022-07-20 | 2023-07-20 |
| Exposure Level Meter | Narda        | EHP-200AC | 170WX80318 | 2023-07-31 | 2024-07-31 |
| Spectrum Analyzer    | Agilent      | N9030A    | MY54410168 | 2022-05-02 | 2023-05-02 |

Note: Test equipment was only used within calibration dates.

## 7. DUTY CYCLE

### LIMITS

None; for reporting purposes only.

### PROCEDURE

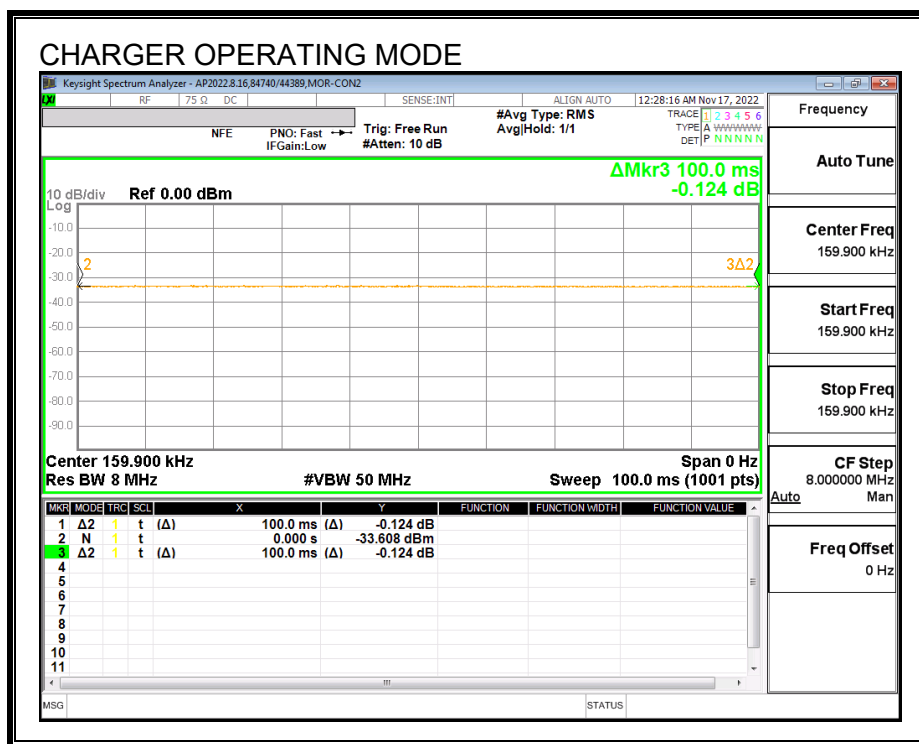
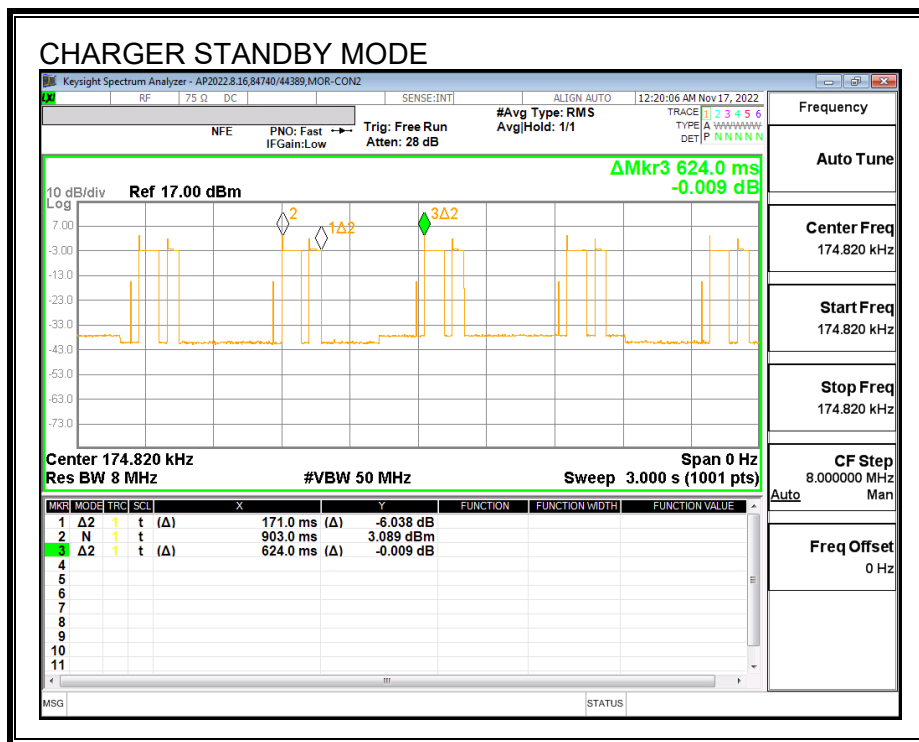
Zero-Span Spectrum Analyzer Method.

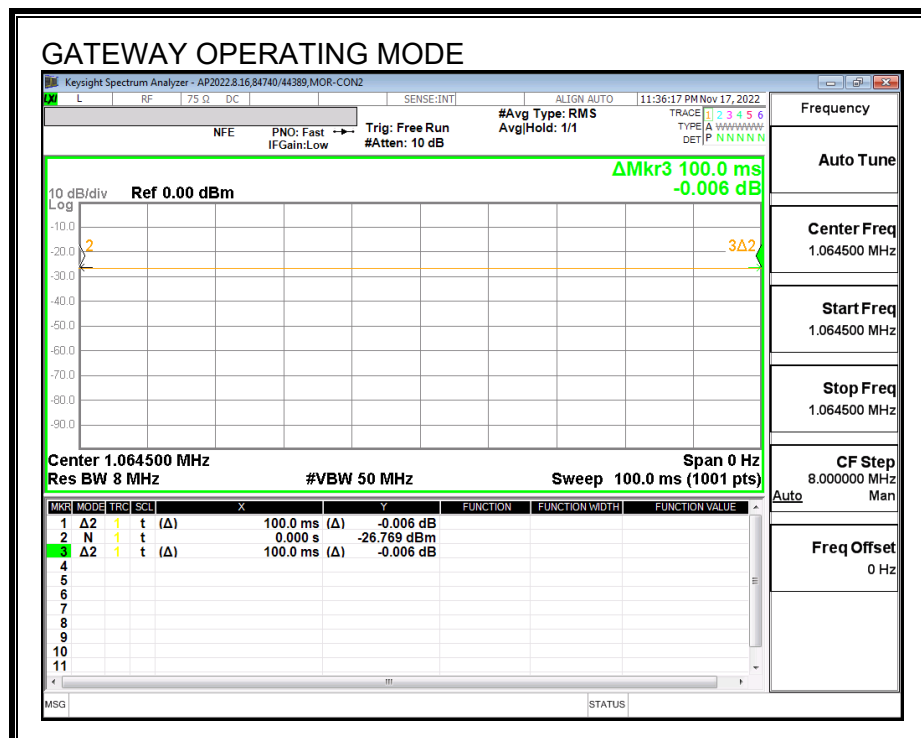
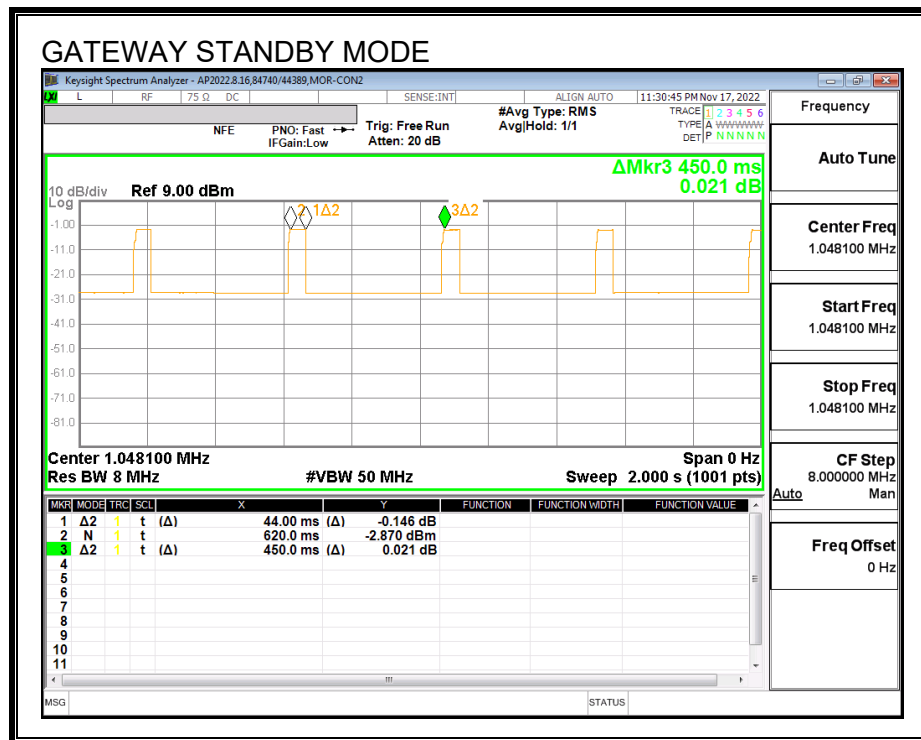
### ON TIME AND DUTY CYCLE RESULTS

| Mode                             | ON Time<br>B<br>(msec) | Period<br>(msec) | Duty Cycle<br>x<br>(linear) | Duty<br>Cycle<br>(%) |
|----------------------------------|------------------------|------------------|-----------------------------|----------------------|
| Charger Standby (Config 1)       | 171.00                 | 903.00           | 0.1894                      | 18.94%               |
| Charger Operating (Config 2 & 3) | 100.00                 | 100.00           | 1.00                        | 100.00%              |
| Gateway Standby (Config 2)       | 44.00                  | 620.00           | 0.0710                      | 7.10%                |
| Gateway Operating (Config 3 & 4) | 100.00                 | 100.00           | 1.00                        | 100.00%              |

Note: Duty cycle for charger standby is worst

Note: Duty cycle for portable use is reduced to 50%. Measurements taken at 100%.





## 8. MAXIMUM PERMISSIBLE RF EXPOSURE TEST RESULTS

### 8.1. FCC LIMITS

Per KDB 680106 D01 v03r01, 3. a) (2) Evaluation of RF Exposure test data for determining compliance of wireless power transfer (WPT) systems (both portable and not) operating at frequencies below 100 kHz is provided on a case-by-case basis. In these situations, a WPT system will not require additional RF exposure testing when supporting data from measurements and/or numerical simulations show that, for all the positions of space relevant for the body exposure, the external (unperturbed) temporal peak field strengths do not exceed the following reference levels:

- 83 V/m for the electric field
- and
- 90 A/m for the magnetic field.

### 8.2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

#### **RESULTS**

|            |             |              |                                         |
|------------|-------------|--------------|-----------------------------------------|
| <b>ID:</b> | 84740/21193 | <b>Date:</b> | 2022-11-14 to 2022-11-30,<br>2023-06-06 |
|------------|-------------|--------------|-----------------------------------------|

Note:

Both magnetic and electric field strengths have been investigated from 9 kHz to 30 MHz.

For desktop configuration, the measurement was taken using a probe placed 15cm surrounding the device and 20cm above the top surface of the EUT.

For portable configuration, the measurement was taken using a probe placed 0cm from the back of the EUT, moving out in 2 cm steps. The resulting measurements were extrapolated to the surface of the EUT to account for the distance of the probe measuring elements being 4.6 cm from the EUT surface when the probe is in contact with the EUT.

The inductive wireless power transfer device meets all of the following requirements:

- ☒ Power transfer frequency is less than 1 MHz
- ☒ Output power from each primary coil is less than or equal to 15 watts.
- ☒ 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.
- ☒ Client device is placed directly in contact with the transmitter.
- ☒ Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
- ☒ 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.

### **FCC RF Exposure Summary of Results**

#### **Desktop Application**

| Electric Field  |                               |                | Magnetic Field  |                               |                |
|-----------------|-------------------------------|----------------|-----------------|-------------------------------|----------------|
| FCC Limit (V/m) | Maximum Average Reading (V/m) | Percentage (%) | FCC Limit (A/m) | Maximum Average Reading (A/m) | Percentage (%) |
| 83              | 2.032                         | 2.45%          | 90              | 0.489                         | 0.54%          |

#### **Portable Application**

At 2.5 cm from the coil, the field is calculated at 2.23 A/m. Given a 50% duty cycle, the time-averaged field would be **1.115 A/m**. The limit is 1.63 A/m, there the EUT is found to meet the RF Exposure guidelines.



### 8.3. DETAILED TEST RESULTS

#### E- FIELD AND H- FIELD MEASUREMENTS

Note: Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values:  $[\text{Field Strength} \times \sqrt{\text{Duty Cycle}}]$ .

| Config | Test Mode | Meas Dist<br>(cm)                                    | E field<br>Limit | Electric Field Reading |       |                 |                | Magnetic<br>Field Limit | Magnetic Field<br>Reading |       |                 |                |
|--------|-----------|------------------------------------------------------|------------------|------------------------|-------|-----------------|----------------|-------------------------|---------------------------|-------|-----------------|----------------|
|        |           |                                                      | (V/m)            | (V/m)                  |       |                 |                | (A/m)                   | (A/m)                     |       |                 |                |
|        |           |                                                      | FCC              | Location               | Value | Duty<br>Cycle % | FCC<br>Average | FCC                     | Location                  | Value | Duty<br>Cycle % | FCC<br>Average |
| 1      | Standby   | 15 cm from<br>edges and<br>20 cm from<br>top surface | 83               | 1                      | 0.760 | 18.2            | 0.324          | 90                      | 1                         | 0.031 | 18.2            | 0.013          |
|        |           |                                                      |                  | 2                      | 0.785 |                 | 0.335          |                         | 2                         | 0.031 |                 | 0.013          |
|        |           |                                                      |                  | 3                      | 0.822 |                 | 0.351          |                         | 3                         | 0.031 |                 | 0.013          |
|        |           |                                                      |                  | 4                      | 0.732 |                 | 0.312          |                         | 4                         | 0.022 |                 | 0.009          |
|        |           |                                                      |                  | Top                    | 0.395 |                 | 0.169          |                         | Top                       | 0.055 |                 | 0.023          |
|        |           |                                                      |                  | Max                    | 0.822 |                 | 0.351          |                         | Max                       | 0.055 |                 | 0.023          |

Note for Configuration 1: Charger alone.

| Config | Test Mode                           | Meas Dist<br>(cm)                                    | E field<br>Limit | Electric Field Reading |       |                 |                | Magnetic<br>Field Limit | Magnetic Field<br>Reading |       |                 |                |
|--------|-------------------------------------|------------------------------------------------------|------------------|------------------------|-------|-----------------|----------------|-------------------------|---------------------------|-------|-----------------|----------------|
|        |                                     |                                                      | (V/m)            | (V/m)                  |       |                 |                | (A/m)                   | (A/m)                     |       |                 |                |
|        |                                     |                                                      | FCC              | Location               | Value | Duty<br>Cycle % | FCC<br>Average | FCC                     | Location                  | Value | Duty<br>Cycle % | FCC<br>Average |
| 2      | Operating<br>Power ~ 0%<br>Charging | 15 cm from<br>edges and 20<br>cm from top<br>surface | 83               | 1                      | 0.782 | 100.0           | 0.782          | 90                      | 1                         | 0.028 | 100.0           | 0.028          |
|        |                                     |                                                      |                  | 2                      | 0.794 |                 | 0.794          |                         | 2                         | 0.020 |                 | 0.020          |
|        |                                     |                                                      |                  | 3                      | 0.944 |                 | 0.944          |                         | 3                         | 0.050 |                 | 0.050          |
|        |                                     |                                                      |                  | 4                      | 0.674 |                 | 0.674          |                         | 4                         | 0.022 |                 | 0.022          |
|        |                                     |                                                      |                  | Top                    | 0.783 |                 | 0.783          |                         | Top                       | 0.023 |                 | 0.023          |
|        |                                     |                                                      |                  | Max                    | 0.944 |                 | 0.944          |                         | Max                       | 0.050 |                 | 0.050          |
|        | Operating<br>Power 50%<br>Charging  |                                                      |                  | 1                      | 0.815 | 100.0           | 0.815          |                         | 1                         | 0.025 | 100.0           | 0.025          |
|        |                                     |                                                      |                  | 2                      | 0.819 |                 | 0.819          |                         | 2                         | 0.023 |                 | 0.023          |
|        |                                     |                                                      |                  | 3                      | 0.921 |                 | 0.921          |                         | 3                         | 0.047 |                 | 0.047          |
|        |                                     |                                                      |                  | 4                      | 0.743 |                 | 0.743          |                         | 4                         | 0.019 |                 | 0.019          |
|        |                                     |                                                      |                  | Top                    | 0.711 |                 | 0.711          |                         | Top                       | 0.022 |                 | 0.022          |
|        |                                     |                                                      |                  | Max                    | 0.921 |                 | 0.921          |                         | Max                       | 0.047 |                 | 0.047          |
|        | Operating<br>Power >90%<br>Charging |                                                      |                  | S1                     | 0.720 | 100.0           | 0.720          |                         | S1                        | 0.022 | 100.0           | 0.022          |
|        |                                     |                                                      |                  | S2                     | 0.835 |                 | 0.835          |                         | S2                        | 0.020 |                 | 0.020          |
|        |                                     |                                                      |                  | S3                     | 0.842 |                 | 0.842          |                         | S3                        | 0.046 |                 | 0.046          |
|        |                                     |                                                      |                  | S4                     | 0.631 |                 | 0.631          |                         | S4                        | 0.021 |                 | 0.021          |
|        |                                     |                                                      |                  | Top                    | 0.700 |                 | 0.700          |                         | Top                       | 0.447 |                 | 0.447          |
|        |                                     |                                                      |                  | Max                    | 0.842 |                 | 0.842          |                         | Max                       | 0.447 |                 | 0.447          |
|        | Operating<br>Power 100 %<br>Charged |                                                      |                  | S1                     | 0.626 | 100.0           | 0.626          |                         | S1                        | 0.019 | 100.0           | 0.019          |
|        |                                     |                                                      |                  | S2                     | 0.761 |                 | 0.761          |                         | S2                        | 0.023 |                 | 0.023          |
|        |                                     |                                                      |                  | S3                     | 0.997 |                 | 0.997          |                         | S3                        | 0.045 |                 | 0.045          |
|        |                                     |                                                      |                  | S4                     | 0.609 |                 | 0.609          |                         | S4                        | 0.021 |                 | 0.021          |
|        |                                     |                                                      |                  | Top                    | 0.587 |                 | 0.587          |                         | Top                       | 0.020 |                 | 0.020          |
|        |                                     |                                                      |                  | Max                    | 0.997 |                 | 0.997          |                         | Max                       | 0.045 |                 | 0.045          |

Note for Configuration 2: Charger and Gateway. Span of the meter was set to capture both charging sources

| Config | Test Mode                           | Meas Dist<br>(cm)                                    | E field<br>Limit | Electric Field Reading |       |                 |                | Magnetic<br>Field Limit | Magnetic Field<br>Reading |       |                 |                |
|--------|-------------------------------------|------------------------------------------------------|------------------|------------------------|-------|-----------------|----------------|-------------------------|---------------------------|-------|-----------------|----------------|
|        |                                     |                                                      | (V/m)            | (V/m)                  |       |                 |                | (A/m)                   | (A/m)                     |       |                 |                |
|        |                                     |                                                      | FCC              | Location               | Value | Duty<br>Cycle % | FCC<br>Average | FCC                     | Location                  | Value | Duty<br>Cycle % | FCC<br>Average |
| 3      | Operating<br>Power ~ 0%<br>Charging | 15 cm from<br>edges and 20<br>cm from top<br>surface | 83               | 1                      | 1.192 | 100.0           | 1.192          | 90                      | 1                         | 0.024 | 100.0           | 0.024          |
|        |                                     |                                                      |                  | 2                      | 1.225 |                 | 1.225          |                         | 2                         | 0.024 |                 | 0.024          |
|        |                                     |                                                      |                  | 3                      | 1.724 |                 | 1.724          |                         | 3                         | 0.054 |                 | 0.054          |
|        |                                     |                                                      |                  | 4                      | 2.032 |                 | 2.032          |                         | 4                         | 0.022 |                 | 0.022          |
|        |                                     |                                                      |                  | Top                    | 0.920 |                 | 0.920          |                         | Top                       | 0.023 |                 | 0.023          |
|        |                                     |                                                      |                  | Max                    | 2.032 |                 | 2.032          |                         | Max                       | 0.054 |                 | 0.054          |
|        | Operating<br>Power 50%<br>Charging  |                                                      |                  | 1                      | 1.976 | 100.0           | 1.976          |                         | 1                         | 0.026 | 100.0           | 0.026          |
|        |                                     |                                                      |                  | 2                      | 1.013 |                 | 1.013          |                         | 2                         | 0.019 |                 | 0.019          |
|        |                                     |                                                      |                  | 3                      | 1.132 |                 | 1.132          |                         | 3                         | 0.045 |                 | 0.045          |
|        |                                     |                                                      |                  | 4                      | 1.093 |                 | 1.093          |                         | 4                         | 0.018 |                 | 0.018          |
|        |                                     |                                                      |                  | Top                    | 0.904 |                 | 0.904          |                         | Top                       | 0.022 |                 | 0.022          |
|        |                                     |                                                      |                  | Max                    | 1.976 |                 | 1.976          |                         | Max                       | 0.045 |                 | 0.045          |
|        | Operating<br>Power >90%<br>Charging |                                                      |                  | S1                     | 1.303 | 100.0           | 1.303          |                         | S1                        | 0.023 | 100.0           | 0.023          |
|        |                                     |                                                      |                  | S2                     | 1.161 |                 | 1.161          |                         | S2                        | 0.022 |                 | 0.022          |
|        |                                     |                                                      |                  | S3                     | 1.113 |                 | 1.113          |                         | S3                        | 0.050 |                 | 0.050          |
|        |                                     |                                                      |                  | S4                     | 0.791 |                 | 0.791          |                         | S4                        | 0.019 |                 | 0.019          |
|        |                                     |                                                      |                  | Top                    | 0.835 |                 | 0.835          |                         | Top                       | 0.489 |                 | 0.489          |
|        |                                     |                                                      |                  | Max                    | 1.303 |                 | 1.303          |                         | Max                       | 0.489 |                 | 0.489          |
|        | Operating<br>Power 100 %<br>Charged |                                                      |                  | S1                     | 1.303 | 100.0           | 1.303          |                         | S1                        | 0.023 | 100.0           | 0.023          |
|        |                                     |                                                      |                  | S2                     | 1.055 |                 | 1.055          |                         | S2                        | 0.020 |                 | 0.020          |
|        |                                     |                                                      |                  | S3                     | 1.320 |                 | 1.320          |                         | S3                        | 0.045 |                 | 0.045          |
|        |                                     |                                                      |                  | S4                     | 0.825 |                 | 0.825          |                         | S4                        | 0.017 |                 | 0.017          |
|        |                                     |                                                      |                  | Top                    | 0.829 |                 | 0.829          |                         | Top                       | 0.022 |                 | 0.022          |
|        |                                     |                                                      |                  | Max                    | 1.320 |                 | 1.320          |                         | Max                       | 0.045 |                 | 0.045          |

Note for Configuration 3: Charger and Gateway, with Sensor. Span of the meter was set to capture both charging sources

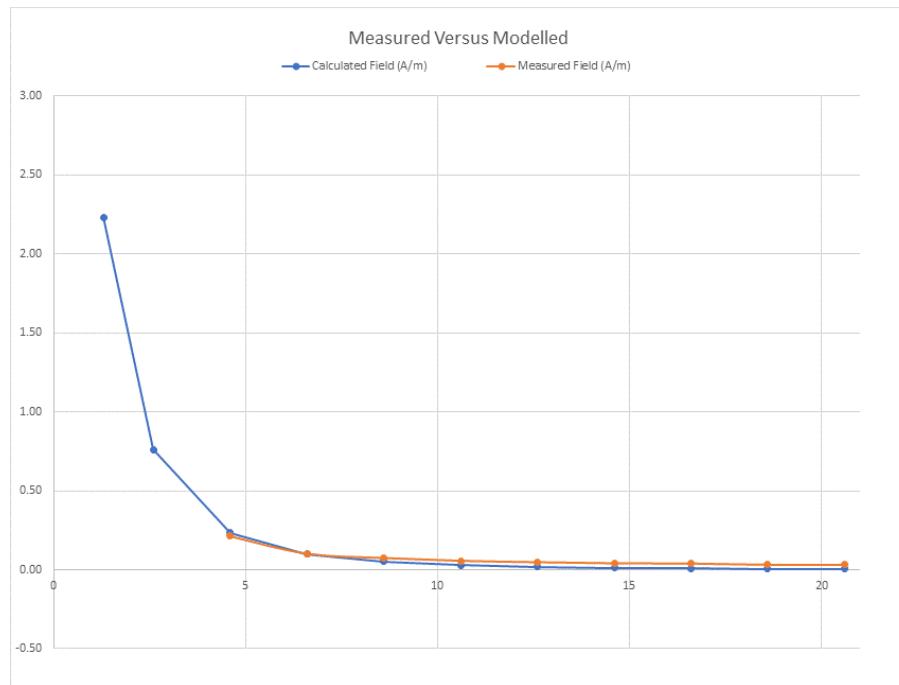
#### Configuration 4 – Portable use RF exposure

In accordance with FCC guidance, only H-Field was measured for portable use.  
Note for Configuration 4: Charger with Sensor.

##### H-Field Data

| Probe coil<br>distance from EUT<br>surface (cm) | EUT Tx coil<br>distance to EUT<br>surface (cm) | Total Field<br>Distance (cm) | Estimated Field |                           | Measured                | Limit (A/m) | Deviation |
|-------------------------------------------------|------------------------------------------------|------------------------------|-----------------|---------------------------|-------------------------|-------------|-----------|
|                                                 |                                                |                              | Tesla           | Calculated<br>Field (A/m) | Measured<br>Field (A/m) |             |           |
| 1.3                                             | 1.2                                            | 2.5                          | 2.80E-06        | 2.23                      |                         | 1.63        |           |
| 2.6                                             | 1.2                                            | 3.8                          | 9.56E-07        | 0.76                      |                         | 1.63        |           |
| 4.6                                             | 1.2                                            | 5.8                          | 2.93E-07        | 0.23                      | 0.21                    | 1.63        | -8%       |
| 6.6                                             | 1.2                                            | 7.8                          | 1.24E-07        | 0.10                      | 0.10                    | 1.63        | 3%        |
| 8.6                                             | 1.2                                            | 9.8                          | 6.34E-08        | 0.05                      | 0.07                    | 1.63        |           |
| 10.6                                            | 1.2                                            | 11.8                         | 3.66E-08        | 0.03                      | 0.06                    | 1.63        |           |
| 12.6                                            | 1.2                                            | 13.8                         | 2.30E-08        | 0.02                      | 0.05                    | 1.63        |           |
| 14.6                                            | 1.2                                            | 15.8                         | 1.54E-08        | 0.01                      | 0.04                    | 1.63        |           |
| 16.6                                            | 1.2                                            | 17.8                         | 1.08E-08        | 0.01                      | 0.04                    | 1.63        |           |
| 18.6                                            | 1.2                                            | 19.8                         | 7.83E-09        | 0.01                      | 0.03                    | 1.63        |           |
| 20.6                                            | 1.2                                            | 21.8                         | 5.88E-09        | 0.00                      | 0.03                    | 1.63        |           |

Note: Calculated and measured fields are at 100%. Real-world duty cycle for portable use RF Exposure is 50%.  
Calculated field at 2.5 cm is 2.23 A/m for 100% duty cycle, which corresponds to 1.115 A/m corrected to 50%.



Calculated field based on the following (source: [Magnetic Field of a Current Loop \(gsu.edu\)](https://www.gsu.edu/~physics/faculty/whalen/1020/lec06/lec06_03.htm))

$$B_z = \frac{\mu_0}{4\pi} \frac{2\pi R^2 I}{(z^2 + R^2)^{3/2}} \quad \mu_0 = 4\pi \times 10^{-7} T \cdot m / A$$

$I$  = Current in amperes  
 $R$  = radius of loop in meters  
 $z$  = distance in meters along centerline of loop

## 9. SETUP PHOTO

Refer to R1427554-EP6 for setup photos.

**END OF REPORT**