



FCC Part 1 Subpart I  
FCC Part 2 Subpart J

**CERTIFICATION TEST REPORT**

**FOR**

**MAGNETIC CHARGING CABLE**

**MODEL NO: A2255**

**FCC ID: BCGA2255**

**REPORT NUMBER: 12936083-E2V2**

**ISSUE DATE: AUGUST 29, 2019**

*Prepared for*  
**APPLE INC.**  
**1 APPLE PARK WAY**  
**CUPERTINO, CA 95014, U.S.A**

*Prepared by*  
**UL VERIFICATION SERVICES INC.**  
**47173 BENICIA STREET**  
**FREMONT, CA 94538, U.S.A.**  
**TEL: (510) 771-1000**  
**FAX: (510) 661-0888**



Revision History

| Rev. | Issue Date | Revisions                        | Revised By |
|------|------------|----------------------------------|------------|
| V1   | 08/16/2019 | Initial Issue                    | Chin Pang  |
| V2   | 08/29/2019 | Correction on report number typo | Chin Pang  |

## 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. KDB 680106 D01 SECTION 5b EQUIPMENT APPROVAL CONSIDERATIONS .....</b> | <b>6</b>  |
| <b>5. EQUIPMENT UNDER TEST .....</b>                                        | <b>7</b>  |
| 5.1. DESCRIPTION OF EUT .....                                               | 7         |
| 5.2. WORST-CASE CONFIGURATION AND MODE .....                                | 7         |
| 5.3. DESCRIPTION OF TEST SETUP.....                                         | 8         |
| <b>6. TEST AND MEASUREMENT EQUIPMENT .....</b>                              | <b>11</b> |
| <b>7. DUTY CYCLE .....</b>                                                  | <b>12</b> |
| <b>8. MAXIMUM PERMISSIBLE RF EXPOSURE .....</b>                             | <b>14</b> |
| 8.1. FCC LIMITS AND SUMMARY .....                                           | 14        |
| 8.1.1. FCC LIMITS.....                                                      | 14        |
| 8.1.2. FCC SUMMARY OF RESULTS .....                                         | 15        |
| 8.2. TEST RESULTS .....                                                     | 16        |
| 8.2.1. FCC RF EXPOSURE.....                                                 | 16        |
| <b>9. SETUP PHOTO .....</b>                                                 | <b>18</b> |

## 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** APPLE INC.  
1 APPLE PARK WAY  
CUPERTINO, CA 95014, U.S.A

**EUT DESCRIPTION:** MAGNETIC CHARGING CABLE

**MODEL NUMBER:** A2255

**SERIAL NUMBER:** DLC9226006WMF564M, DLC9223005MLNWK4C,  
DLC923300E5MF554P

**DATE TESTED:** JULY 17–22, 2019

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

UL Verification Services Inc. calculated the RF Exposure of the above equipment in accordance with the requirements set forth in the above standards, using test results reported in the test report documents referenced below and/or documentation furnished by the applicant. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations of these calculations. The results show that the equipment is capable of demonstrating compliance with the requirements as documented in this report.

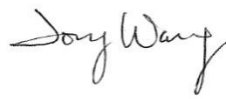
**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Reviewed By:

Prepared By:



Chin Pang  
Senior Engineer  
UL Verification Service Inc.



Tony Wang  
Test Engineer  
UL Verification Services Inc.

## 2. TEST METHODOLOGY

All calculations were made in accordance with FCC OET Bulletin 65 Edition 97-01.

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

| 47173 Benicia Street                                   | 47266 Benicia Street                            | 47658 Kato Rd.                                   |
|--------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Chamber A (IC:2324B-1)        | <input type="checkbox"/> Chamber D (IC:22541-1) | <input type="checkbox"/> Chamber I (IC: 2324A-5) |
| <input type="checkbox"/> Chamber B (IC:2324B-2)        | <input type="checkbox"/> Chamber E (IC:22541-2) | <input type="checkbox"/> Chamber J (IC: 2324A-6) |
| <input type="checkbox"/> Chamber C (IC:2324B-3)        | <input type="checkbox"/> Chamber F (IC:22541-3) | <input type="checkbox"/> Chamber K (IC: 2324A-1) |
| <input checked="" type="checkbox"/> Temperature B Room | <input type="checkbox"/> Chamber G (IC:22541-4) | <input type="checkbox"/> Chamber L (IC: 2324A-3) |
|                                                        | <input type="checkbox"/> Chamber H (IC:22541-5) |                                                  |

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers above are covered under Industry Canada company address and respective code

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0

#### 4. KDB 680106 D01 SECTION 5b EQUIPMENT APPROVAL CONSIDERATIONS

| Requirement                                                                                                                                                                                                                                  | Device                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| (1) Power transfer frequency is less than 1 MHz.                                                                                                                                                                                             | Yes. Operating Frequency is 326.5KHz                                                                                |
| (2) Output power from each primary coil is less than or equal to 15 watts.                                                                                                                                                                   | Yes. The maximum power is 5 Watts                                                                                   |
| (3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils. | Yes. The system includes one single primary and secondary coil and the device is designed to charge a single client |
| (4) Client device is placed directly in contact with the transmitter.                                                                                                                                                                        | Yes. The client device is placed directly in contact with the transmitter.                                          |
| (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).                                                                                                                                        | Yes. Mobile exposure condition apply.                                                                               |
| (6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.                                          | Yes. The worst case aggregate fields at 15cm from the device is 1.96% of the FCC H field limit.                     |

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

The EUT is a magnetic charging cable which has a single inductive charging coil to charge Apple Watch. The charging frequency is 326.5 kHz, and the maximum power consumption is 5W in charging status.

### 5.2. WORST-CASE CONFIGURATION AND MODE

The EUT is a single frequency magnetic charger enclosed in stainless steel case with different cable length USB -A type. For operation mode, it was tested with model A2095, a big watch. A2095 was chosen to test as the worst case condition since it has max load overall, hence all final data for operational mode represents EUT with the big watch.

| Config | Mode      | Descriptions                                 |
|--------|-----------|----------------------------------------------|
| 1      | Standby   | EUT Alone powered by AC/DC adapter           |
| 2      | Operating | EUT and Watch (big) powered by AC/DC adapter |

Note that the EUT was tested as standby and operation modes.

### 5.3. DESCRIPTION OF TEST SETUP

#### SUPPORT EQUIPMENT

| SUPPORT EQUIPMENT & PERIPHERALS LIST |                    |              |       |               |
|--------------------------------------|--------------------|--------------|-------|---------------|
| Description                          | Housing/Watch Band | Manufacturer | Model | Serial Number |
| Watch                                | Stainless Steel    | Apple        | A2095 | D92YT00GMW95  |
| AC/DC Adapter                        | N/A                | Apple        | A1385 | N/A           |

#### I/O CABLES

N/A

#### TEST SETUP

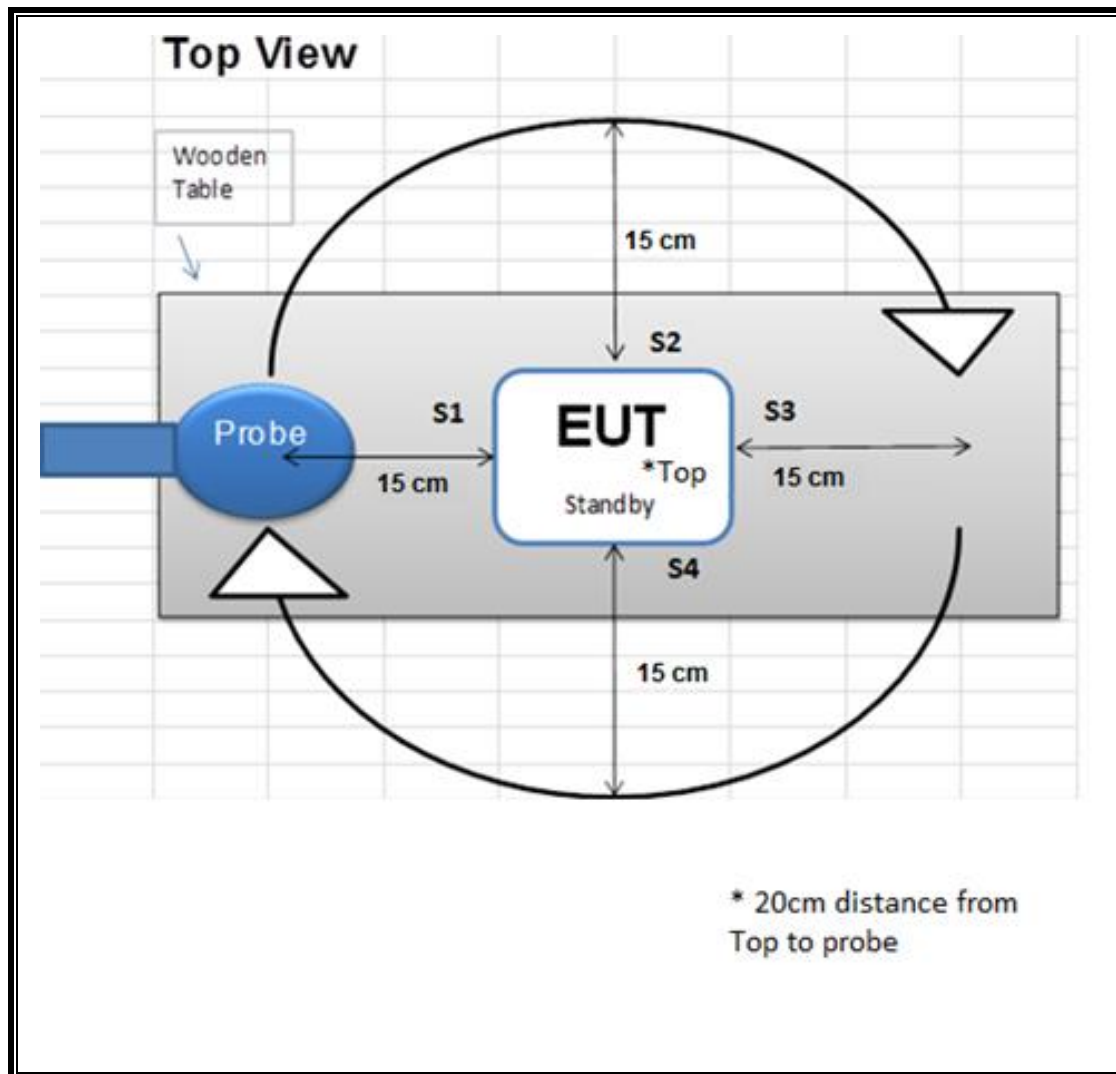
The following two configurations are tested:

| Configuration | Mode                                                                                                                                                           | Descriptions                           |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 1             | Standby                                                                                                                                                        | EUT Alone powered by AC/DC adapter     |
| 2             | Operating<br>(Watch, ~10% Power Charging)                                                                                                                      | EUT and Watch powered by AC/DC adapter |
|               | Operating<br>(Watch, ~50% Power Charging)<br><u>Note:</u> For the configuration 2 operating with Watch, battery level of the Watch was at a state of 20 – 50%. | EUT and Watch powered by AC/DC adapter |
|               | Operating<br>(Watch >90% Power Charging)                                                                                                                       | EUT and Watch powered by AC/DC adapter |

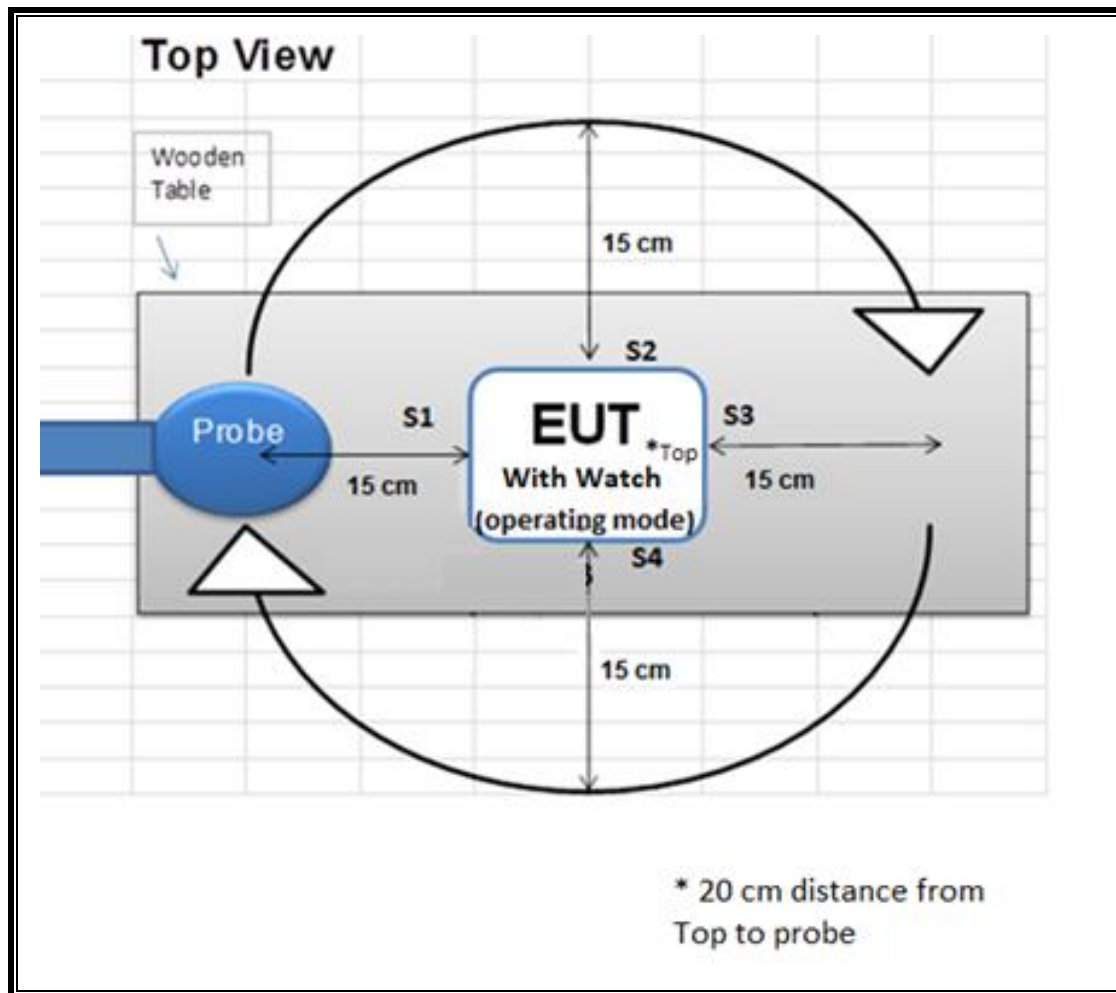
#### MEASUREMENT SETUP

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

**CONFIGURATION 1**



**CONFIGURATION 2**



## 6. TEST AND MEASUREMENT EQUIPMENT

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

| Test Equipment List               |              |          |            |          |            |            |
|-----------------------------------|--------------|----------|------------|----------|------------|------------|
| Description                       | Manufacturer | Model    | S/N        | Label ID | Cal Date   | Cal Due    |
| Electric and Magnetic Field Probe | Narda        | EHP-200A | 160WX41008 | T1085    | 10/24/2018 | 10/24/2019 |

## 7. DUTY CYCLE

### LIMITS

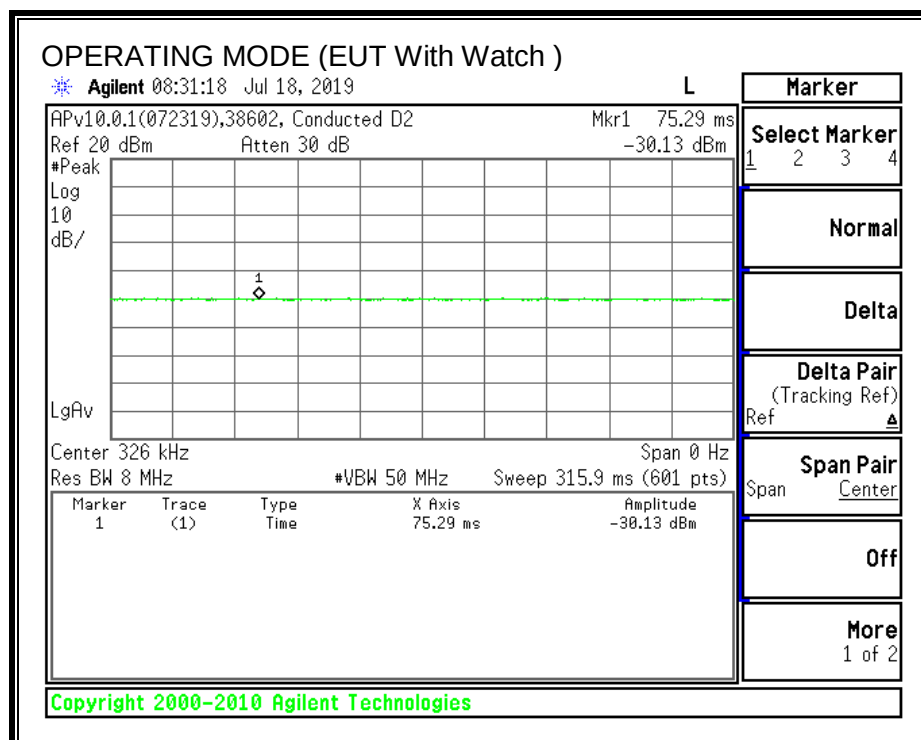
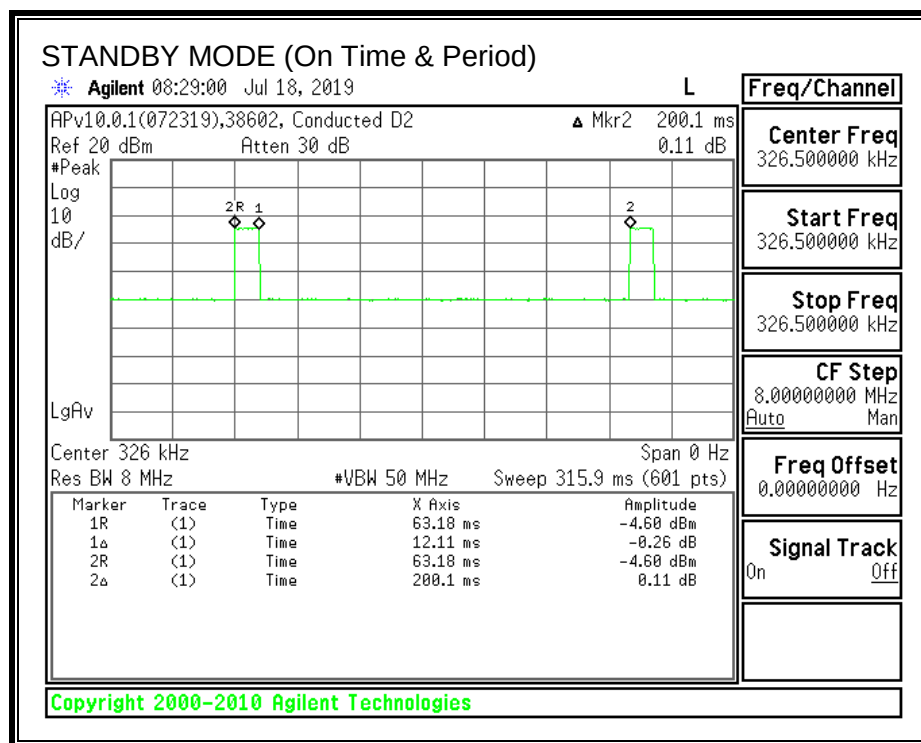
None; for reporting purposes only.

### 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>(%) | Duty Cycle<br>Correction Factor<br>(dB) |
|---------------------|------------------------|------------------|-----------------------------|----------------------|-----------------------------------------|
| Standby (Config 1)  | 12.11                  | 200.10           | 0.06                        | 6.05%                | 12.18                                   |
| Operating(Config 2) | 100.00                 | 100.00           | 1.00                        | 100.00%              | 0.00                                    |



## 8. MAXIMUM PERMISSIBLE RF EXPOSURE

### 8.1. FCC LIMITS AND SUMMARY

#### 8.1.1. FCC LIMITS

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

TABLE 1—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) |
|---------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (A) Limits for Occupational/Controlled Exposures        |                               |                               |                                     |                          |
| 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) Limits for General Population/Uncontrolled Exposure |                               |                               |                                     |                          |
| 0.3–1.34 .....                                          | 614                           | 1.63                          | *(100)                              | 30                       |
| 1.34–30 .....                                           | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | 30                       |

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)—Continued

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

## 8.1.2. FCC SUMMARY OF RESULTS

### RESULTS

|            |       |              |         |
|------------|-------|--------------|---------|
| <b>ID:</b> | 38602 | <b>Date:</b> | 7/19/19 |
|------------|-------|--------------|---------|

#### FCC RF Exposure Summary of Results

##### A2255/A1385/0.3M CABLE/USB-A/A2095

| Electric Field Limit  |                       |                | Magnetic Field Limit |                       |                |
|-----------------------|-----------------------|----------------|----------------------|-----------------------|----------------|
| FCC RF Exposure Limit | Maximum Average (V/m) | Percentage (%) | FCC RF Exposure      | Maximum Average (A/m) | Percentage (%) |
| 614                   | 0.232                 | 0.04%          | 1.63                 | 0.032                 | 1.96%          |

##### A2255/A1385/1.0M CABLE/USB-A/A2095

| Electric Field Limit  |                       |                | Magnetic Field Limit |                       |                |
|-----------------------|-----------------------|----------------|----------------------|-----------------------|----------------|
| FCC RF Exposure Limit | Maximum Average (V/m) | Percentage (%) | FCC RF Exposure      | Maximum Average (A/m) | Percentage (%) |
| 614                   | 0.137                 | 0.02%          | 1.63                 | 0.026                 | 1.60%          |

##### A2255/A1385/2.0M CABLE/USB-A/A2095

| Electric Field Limit  |                       |                | Magnetic Field Limit |                       |                |
|-----------------------|-----------------------|----------------|----------------------|-----------------------|----------------|
| FCC RF Exposure Limit | Maximum Average (V/m) | Percentage (%) | FCC RF Exposure      | Maximum Average (A/m) | Percentage (%) |
| 614                   | 0.129                 | 0.02%          | 1.63                 | 0.014                 | 0.86%          |

## 8.2. TEST RESULTS

### 8.2.1. FCC RF EXPOSURE

#### 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:  $[\text{Field Strength} \times \sqrt{\text{Duty Cycle}}]$ .

#### A2255 WITH A1385, 0.3M CABLE USB-A AND MODEL A2095 WATCH

| FCC Limit     |                                                     |                                                                                   |                      |                        |       |              |              |                      |                        |       |              |              |
|---------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|------------------------|-------|--------------|--------------|----------------------|------------------------|-------|--------------|--------------|
| Configuration | Test Mode                                           | Measuring Distance (cm)                                                           | Electric Field Limit | Electric Field Reading |       |              |              | Magnetic Field Limit | Magnetic Field Reading |       |              |              |
|               |                                                     |                                                                                   | (V/m)                | (V/m)                  |       |              |              | (A/m)                | (A/m)                  |       |              |              |
|               |                                                     |                                                                                   | FCC                  | Location               | Peak  | Duty Cycle % | FCC Average  | FCC                  | Location               | Peak  | Duty Cycle % | FCC Average  |
| 1             | Standby                                             | 15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT | 614                  | S1                     | 0.120 | 6.05         | 0.030        | 1.63                 | S1                     | 0.020 | 6.05         | 0.005        |
|               |                                                     |                                                                                   |                      | S2                     | 0.120 |              | 0.030        |                      | S2                     | 0.019 |              | 0.005        |
|               |                                                     |                                                                                   |                      | S3                     | 0.119 |              | 0.029        |                      | S3                     | 0.025 |              | 0.006        |
|               |                                                     |                                                                                   |                      | S4                     | 0.120 |              | 0.030        |                      | S4                     | 0.019 |              | 0.005        |
|               |                                                     |                                                                                   |                      | Top                    | 0.120 |              | 0.030        |                      | Top                    | 0.027 |              | 0.007        |
|               |                                                     |                                                                                   |                      | Max                    | 0.126 |              | 0.031        |                      | Max                    | 0.029 |              | 0.007        |
| 2             | Operating Real Product (Power <10% Charging)        |                                                                                   |                      | S1                     | 0.118 | 100          | 0.118        |                      | S1                     | 0.031 | 6.05         | 0.031        |
|               |                                                     |                                                                                   |                      | S2                     | 0.120 |              | 0.120        |                      | S2                     | 0.017 |              | 0.017        |
|               |                                                     |                                                                                   |                      | S3                     | 0.121 |              | 0.121        |                      | S3                     | 0.030 |              | 0.030        |
|               |                                                     |                                                                                   |                      | S4                     | 0.171 |              | 0.171        |                      | S4                     | 0.020 |              | 0.020        |
|               |                                                     |                                                                                   |                      | Top                    | 0.111 |              | 0.111        |                      | Top                    | 0.017 |              | 0.017        |
|               |                                                     |                                                                                   |                      | Max                    | 0.213 |              | 0.213        |                      | Max                    | 0.032 |              | <b>0.032</b> |
|               | Operating Real Product (Power ~ 20% - 50% Charging) |                                                                                   |                      | S1                     | 0.127 | 100          | 0.127        |                      | S1                     | 0.029 | 100          | 0.029        |
|               |                                                     |                                                                                   |                      | S2                     | 0.115 |              | 0.115        |                      | S2                     | 0.019 |              | 0.019        |
|               |                                                     |                                                                                   |                      | S3                     | 0.121 |              | 0.121        |                      | S3                     | 0.021 |              | 0.021        |
|               |                                                     |                                                                                   |                      | S4                     | 0.225 |              | 0.225        |                      | S4                     | 0.018 |              | 0.018        |
|               |                                                     |                                                                                   |                      | Top                    | 0.111 |              | 0.111        |                      | Top                    | 0.019 |              | 0.019        |
|               |                                                     |                                                                                   |                      | Max                    | 0.232 |              | <b>0.232</b> |                      | Max                    | 0.029 |              | 0.029        |
|               | Operating Real Product (Power >90% Charging)        |                                                                                   |                      | S1                     | 0.120 | 100          | 0.120        |                      | S1                     | 0.020 | 100          | 0.020        |
|               |                                                     |                                                                                   |                      | S2                     | 0.118 |              | 0.118        |                      | S2                     | 0.019 |              | 0.019        |
|               |                                                     |                                                                                   |                      | S3                     | 0.120 |              | 0.120        |                      | S3                     | 0.019 |              | 0.019        |
|               |                                                     |                                                                                   |                      | S4                     | 0.160 |              | 0.160        |                      | S4                     | 0.026 |              | 0.026        |
|               |                                                     |                                                                                   |                      | Top                    | 0.120 |              | 0.120        |                      | Top                    | 0.018 |              | 0.018        |
|               |                                                     |                                                                                   |                      | Max                    | 0.221 |              | 0.221        |                      | Max                    | 0.031 |              | 0.031        |

#### A2255 WITH A1385, 1.0M CABLE USB-A AND MODEL A2095 WATCH

| FCC Limit     |                                                     |                                                                                   |                      |                        |       |              |             |                      |                        |       |              |             |       |
|---------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|------------------------|-------|--------------|-------------|----------------------|------------------------|-------|--------------|-------------|-------|
| Configuration | Test Mode                                           | Measuring Distance (cm)                                                           | Electric Field Limit | Electric Field Reading |       |              |             | Magnetic Field Limit | Magnetic Field Reading |       |              |             |       |
|               |                                                     |                                                                                   | (V/m)                | (V/m)                  |       |              |             | (A/m)                | (A/m)                  |       |              |             |       |
|               |                                                     |                                                                                   | FCC                  | Location               | Peak  | Duty Cycle % | FCC Average | FCC                  | Location               | Peak  | Duty Cycle % | FCC Average |       |
| 1             | Standby                                             | 15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT | 614                  | S1                     | 0.120 | 6.05         | 0.030       | 1.63                 | S1                     | 0.017 | 6.05         | 0.004       |       |
|               |                                                     |                                                                                   |                      | S2                     | 0.120 |              | 0.030       |                      | S2                     | 0.019 |              | 0.005       |       |
|               |                                                     |                                                                                   |                      | S3                     | 0.120 |              | 0.030       |                      | S3                     | 0.025 |              | 0.006       |       |
|               |                                                     |                                                                                   |                      | S4                     | 0.141 |              | 0.035       |                      | S4                     | 0.018 |              | 0.004       |       |
|               |                                                     |                                                                                   |                      | Top                    | 0.120 |              | 0.030       |                      | Top                    | 0.021 |              | 0.005       |       |
|               |                                                     |                                                                                   |                      | Max                    | 0.144 |              | 0.035       |                      | Max                    | 0.025 |              | 0.006       |       |
| 2             | Operating Real Product (Power <10% Charging)        |                                                                                   |                      | S1                     | 0.120 | 100          | 0.120       |                      | 1.63                   | S1    | 0.025        | 100         | 0.025 |
|               |                                                     |                                                                                   |                      | S2                     | 0.118 |              | 0.118       |                      |                        | S2    | 0.018        |             | 0.018 |
|               |                                                     |                                                                                   |                      | S3                     | 0.115 |              | 0.115       |                      |                        | S3    | 0.019        |             | 0.019 |
|               |                                                     |                                                                                   |                      | S4                     | 0.120 |              | 0.120       |                      |                        | S4    | 0.019        |             | 0.019 |
|               |                                                     |                                                                                   |                      | Top                    | 0.120 |              | 0.120       |                      |                        | Top   | 0.017        |             | 0.017 |
|               |                                                     |                                                                                   |                      | Max                    | 0.120 |              | 0.120       |                      |                        | Max   | 0.026        |             | 0.026 |
|               | Operating Real Product (Power ~ 20% - 50% Charging) |                                                                                   |                      | S1                     | 0.115 | 100          | 0.115       |                      |                        | S1    | 0.019        | 100         | 0.019 |
|               |                                                     |                                                                                   |                      | S2                     | 0.118 |              | 0.118       |                      |                        | S2    | 0.017        |             | 0.017 |
|               |                                                     |                                                                                   |                      | S3                     | 0.111 |              | 0.111       |                      |                        | S3    | 0.019        |             | 0.019 |
|               |                                                     |                                                                                   |                      | S4                     | 0.120 |              | 0.120       |                      |                        | S4    | 0.020        |             | 0.020 |
|               |                                                     |                                                                                   |                      | Top                    | 0.111 |              | 0.111       |                      |                        | Top   | 0.017        |             | 0.017 |
|               |                                                     |                                                                                   |                      | Max                    | 0.120 |              | 0.120       |                      |                        | Max   | 0.021        |             | 0.021 |
|               | Operating Real Product (Power >90% Charging)        |                                                                                   |                      | S1                     | 0.111 | 100          | 0.111       |                      |                        | S1    | 0.019        | 100         | 0.019 |
|               |                                                     |                                                                                   |                      | S2                     | 0.120 |              | 0.120       |                      |                        | S2    | 0.016        |             | 0.016 |
|               |                                                     |                                                                                   |                      | S3                     | 0.118 |              | 0.118       |                      |                        | S3    | 0.018        |             | 0.018 |
|               |                                                     |                                                                                   |                      | S4                     | 0.137 |              | 0.137       |                      |                        | S4    | 0.024        |             | 0.024 |
|               |                                                     |                                                                                   |                      | Top                    | 0.122 |              | 0.122       |                      |                        | Top   | 0.019        |             | 0.019 |
|               |                                                     |                                                                                   |                      | Max                    | 0.137 |              | 0.137       |                      |                        | Max   | 0.024        |             | 0.024 |

**A2255 WITH A1385, 2.0M CABLE USB-A AND MODEL A2095 WATCH**

| FCC Limit     |                                                        |                                                                                   |                      |                        |       |              |             |                      |                        |       |              |             |       |
|---------------|--------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|------------------------|-------|--------------|-------------|----------------------|------------------------|-------|--------------|-------------|-------|
| Configuration | Test Mode                                              | Measuring Distance<br>(cm)                                                        | Electric Field Limit | Electric Field Reading |       |              |             | Magnetic Field Limit | Magnetic Field Reading |       |              |             |       |
|               |                                                        |                                                                                   | (V/m)                | (V/m)                  |       |              |             | (A/m)                | (A/m)                  |       |              |             |       |
|               |                                                        |                                                                                   | FCC                  | Location               | Peak  | Duty Cycle % | FCC Average | FCC                  | Location               | Peak  | Duty Cycle % | FCC Average |       |
| 1             | Standby                                                | 15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT | 614                  | S1                     | 0.120 | 6.05         | 0.030       | 1.63                 | S1                     | 0.019 | 6.05         | 0.005       |       |
|               |                                                        |                                                                                   |                      | S2                     | 0.118 |              | 0.029       |                      | S2                     | 0.019 |              | 0.005       |       |
|               |                                                        |                                                                                   |                      | S3                     | 0.118 |              | 0.029       |                      | S3                     | 0.025 |              | 0.006       |       |
|               |                                                        |                                                                                   |                      | S4                     | 0.120 |              | 0.030       |                      | S4                     | 0.019 |              | 0.005       |       |
|               |                                                        |                                                                                   |                      | Top                    | 0.120 |              | 0.030       |                      | Top                    | 0.027 |              | 0.007       |       |
|               |                                                        |                                                                                   |                      | Max                    | 0.120 |              | 0.030       |                      | Max                    | 0.027 |              | 0.007       |       |
|               |                                                        |                                                                                   |                      | S1                     | 0.129 |              | 0.129       |                      | S1                     | 0.005 |              | 0.005       |       |
|               |                                                        |                                                                                   |                      | S2                     | 0.120 |              | 0.120       |                      | S2                     | 0.013 |              | 0.013       |       |
| 2             | Operating Real Product<br>(Power <10% Charging)        | 15 cm surrounding the device (S1 - S4) and 20 cm above the top surface of the EUT | 614                  | S3                     | 0.111 | 100          | 0.111       | 1.63                 | S3                     | 0.007 | 100          | 0.007       |       |
|               |                                                        |                                                                                   |                      | S4                     | 0.120 |              | 0.120       |                      | S4                     | 0.011 |              | 0.011       |       |
|               |                                                        |                                                                                   |                      | Top                    | 0.105 |              | 0.105       |                      | Top                    | 0.003 |              | 0.003       |       |
|               |                                                        |                                                                                   |                      | Max                    | 0.129 |              | 0.129       |                      | Max                    | 0.013 |              | 0.013       |       |
|               |                                                        |                                                                                   |                      | S1                     | 0.096 |              | 0.096       |                      | S1                     | 0.004 |              | 0.004       |       |
|               |                                                        |                                                                                   |                      | S2                     | 0.100 |              | 0.100       |                      | S2                     | 0.014 |              | 0.014       |       |
|               | Operating Real Product<br>(Power ~ 20% - 50% Charging) |                                                                                   |                      | S3                     | 0.094 | 100          | 0.094       |                      | 1.63                   | S3    | 0.006        | 100         | 0.006 |
|               |                                                        |                                                                                   |                      | S4                     | 0.111 |              | 0.111       |                      |                        | S4    | 0.012        |             | 0.012 |
|               |                                                        |                                                                                   |                      | Top                    | 0.105 |              | 0.105       |                      |                        | Top   | 0.003        |             | 0.003 |
|               |                                                        |                                                                                   |                      | Max                    | 0.111 |              | 0.111       |                      |                        | Max   | 0.014        |             | 0.014 |
|               |                                                        |                                                                                   |                      | S1                     | 0.105 |              | 0.105       |                      |                        | S1    | 0.003        |             | 0.003 |
|               |                                                        |                                                                                   |                      | S2                     | 0.090 |              | 0.090       |                      |                        | S2    | 0.010        |             | 0.010 |
|               | Operating Real Product<br>(Power >90% Charging)        |                                                                                   |                      | S3                     | 0.101 | 100          | 0.101       |                      | 1.63                   | S3    | 0.004        | 100         | 0.004 |
|               |                                                        |                                                                                   |                      | S4                     | 0.100 |              | 0.100       |                      |                        | S4    | 0.010        |             | 0.010 |
|               |                                                        |                                                                                   |                      | Top                    | 0.100 |              | 0.100       |                      |                        | Top   | 0.003        |             | 0.003 |
|               |                                                        |                                                                                   |                      | Max                    | 0.105 |              | 0.105       |                      |                        | Max   | 0.010        |             | 0.010 |

**END OF REPORT**

## 9. SETUP PHOTO

Please see setup photo report 12936083-EP1V1