

RF Exposure Report

Report No.: SA151027D11

FCC ID: UMB-5CT11A0

Test Model: 5CT11A0-000-0A

Received Date: Oct. 27, 2015

Test Date: Nov. 6, 2015

Issued Date: Nov. 11, 2015

Applicant: Foxconn Technology Co., Ltd.

Address: No.2, Ziyue St., Tucheng Dist., New Taipei City 236, Taiwan

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)



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Release Control Record

| Issue No. | Description | Date Issued |
|-------------|-------------------|---------------|
| SA151027D11 | Original release. | Nov. 11, 2015 |

1 Certificate of Conformity

Product: Wireless Charge

Test Model: 5CT11A0-000-0A

Sample Status: Engineering sample

Applicant: Foxconn Technology Co., Ltd.


Test Date: Nov. 6, 2015

Product: Wireless Charge

Standards: FCC Part 1 (Section 1.1307(b), 1.1310)

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :



Jessica Chang / Senior Specialist

Date:

Nov. 11, 2015

Approved by :



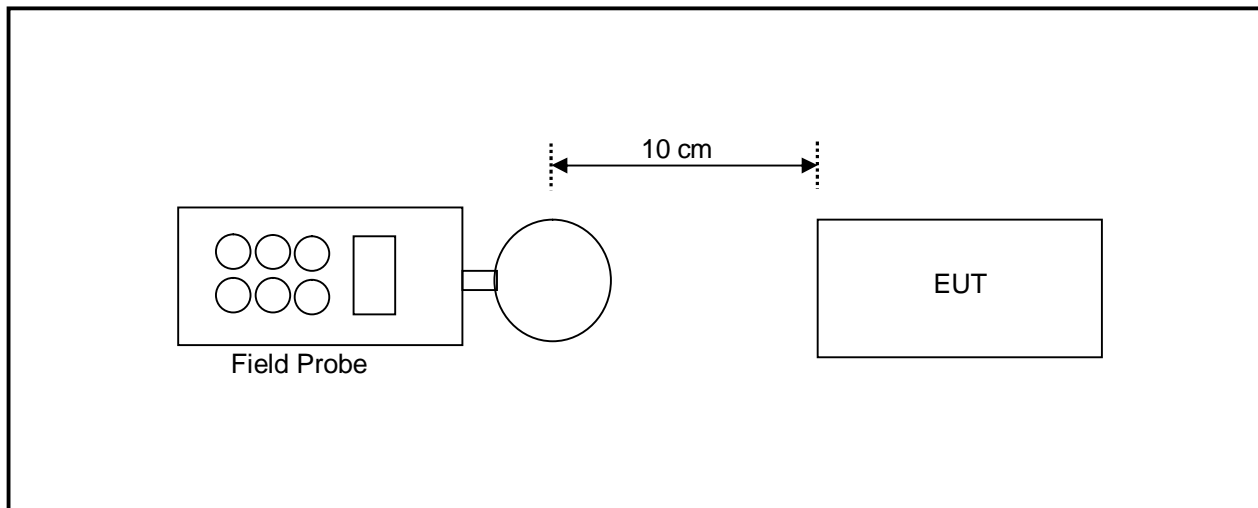
Rex Lai / Assistant Manager

Date:

Nov. 11, 2015

2 RF Exposure

2.1 Test Setup



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 10 cm measured from the center of the probe(s) to the edge of the device.

2.2 Test Instruments

| Description | Brand | Model No. | Frequency Range | Calibrated Date | Calibrated Until |
|-----------------------|-----------|-----------|-----------------|-----------------|------------------|
| Broadband Field Meter | NARDA | NBM-550 | - | Feb. 28, 2014 | Feb. 27, 2016 |
| Magnetic Field Meter | NARDA | ELT-400 | 1 – 400kHz | Feb. 26, 2014 | Feb. 25, 2016 |
| Magnetic Probe | NARDA | HF-3061 | 300kHz – 30MHz | Feb. 26, 2014 | Feb. 25, 2016 |
| Magnetic Probe | NARDA | HF-0191 | 27 – 1000MHz | Feb. 28, 2014 | Feb. 27, 2016 |
| Broadband Field Meter | NARDA | NBM-550 | - | Feb. 28, 2014 | Feb. 27, 2016 |
| Electric Field Meter | COMBINOVA | EFM 200 | 5Hz – 400kHz | Oct. 14, 2015 | Oct. 13, 2016 |
| E-Field Probe | NARDA | EF-0391 | 100kHz – 3GHz | Mar. 6, 2014 | Mar. 5, 2016 |
| E-Field Probe | NARDA | EF-6091 | 100MHz – 60GHz | Feb. 28, 2014 | Feb. 27, 2016 |

NOTE: 1. The calibration interval of the above test instruments is 12/24 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Chia Pau RF Chamber

2.3 Limits For Maximum Permissible Exposure (MPE)

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

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | 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 ²) | 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 ²) | 30 |
| 30–300 | 27.5 | 0.073 | 0.2 | 30 |
| 300–1500 | | | f/1500 | 30 |
| 1500–100,000 | | | 1.0 | 30 |

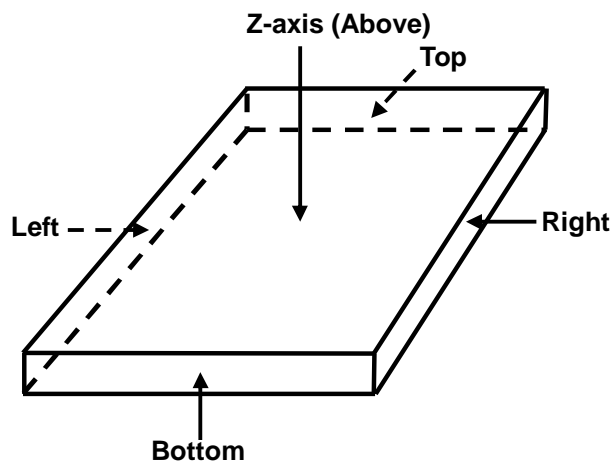
f = frequency in MHz

* = Plane-wave equivalent power density

NOTE 1 TO TABLE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2 TO TABLE 1: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

2.4 Test Point Description



3 Calculation Result Of Maximum Conducted Power

| E-Field Measurement (10cm) | | | | | |
|----------------------------|---------|---------|---------|---------|----------------|
| EUT Side | Left | Right | Top | Bottom | Z-axis (Above) |
| Max E-field (V/m) | 0.49 | 0.68 | 1.14 | 0.63 | 0.82 |
| Limit 824/f (V/m) | 614 | 614 | 614 | 614 | 614 |
| Margin (V/m) | -613.51 | -613.32 | -612.86 | -613.37 | -613.18 |

| H-Field Measurement (10cm) | | | | | |
|----------------------------|--------|--------|--------|--------|----------------|
| EUT Side | Left | Right | Top | Bottom | Z-axis (Above) |
| Max H-field (A/m) | 0.027 | 0.023 | 0.031 | 0.018 | 0.018 |
| Limit 2.19/f (A/m) | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| Margin (A/m) | -1.603 | -1.607 | -1.599 | -1.612 | -1.612 |

Measurements was made from all sides and the top of the primary/client pair, with the 10 cm measured from the center of the probe(s) to the edge of the device. The highest emission level was recorded.

4 Photographs of the Test Configuration

E-Field Measurement (10cm)



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