



**RF EXPOSURE TEST REPORT**

**FOR**

**WIRELESS CHARGER**

**MODEL NUMBER: CJ1  
WIRELESS CHARGER**

**REPORT NUMBER: 15U20351-E1A**

**FCC ID: 2AB8ZND7  
IC: 1000X-ND7**

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*Prepared for*  
**INTEL CORPORATION  
2200 MISSION COLLEGE BOULEVARD  
SANTA CLARA, CA 95052, 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**



**NVLAP LAB CODE 200065-0**

Revision History

Rev.	Issue Date	Revisions	Revised By
--	8/21/2015	Initial Issue	-
A	9/4/2015	Added IC registration number	Dave Weaver

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## 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** Intel Corporation  
2200 Mission College Boulevard  
Santa Clara, Ca 95052, U.S.A

**EUT DESCRIPTION:** WIRELESS CHARGER

**MODEL:** CJ1

**SERIAL NUMBER:** SYSTEM: W05082FZ531001M  
BOARD: W05072FZ52900YT

**DATE TESTED:** 8/14/2015

**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.

Approved & Released For  
UL Verification Services Inc. By:

Tested By:



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David Weaver  
Program Manager  
UL Verification Services Inc.

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Coltyce Sanders  
Laboratory Engineer  
UL Verification Services Inc.

## 2. TEST METHODOLOGY

All measurements were made in accordance to §3 of KDB 680106 D01 v02 RF Exposure Wireless Charging Apps.

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://ts.nist.gov/standards/scopes/2000650.htm>.

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment used 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. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Magnetic Field	+/- 23 %
Electric Field	+/- 14 %

Uncertainty figures are valid to a confidence level of 95%.

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

The EUT is a wireless charger intended to charge Intel bracelet BLE module NDJ1.

#### GENERAL INFORMATION

Input Power	5V, 1A
Output Power (Load)	Not Applicable
Frequencies generated or used by the EUT.	175 kHz

### 5.2. TEST CONFIGURATION AND MODE

E and H Field measurements were performed at a distance of 10cm laterally from the edges of the EUT. Testing was performed with three configurations: EUT charging the module installed into a host with a metal band, EUT charging the module installed into a host with a Leather band, and EUT without a load.

See section 8 for photographs of the test setup.

## 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	Local ID (T No.)	Cal Date	Cal Due
Electric and Magnetic Field Probe	Narda	EHP-200A	1085	12/08/2014	12/08/2015

#### SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	Salcomp	S01A22	Not Available	N/A
BLE module	Intel	NDJ1	Not Available	2AB8ZND5

## 7. Test results

### 7.1.1. ELECTRIC FIELD STRENGTH AND MAGNETIC FIELD STRENGTH

#### **EUT and Device with Metal Band**

Position	Lateral Distance from EUT (cm)	Electric Field Strength (V/m)	Limit (V/m)	Magnetic Field Strength (A/m)	Limit (A/m)
Edge 1	10	0.288	614.0	0.134	1.63
Edge 2	10	0.307	614.0	0.053	1.63
Edge 3	10	0.420	614.0	0.300	1.63
Edge 4	10	0.316	614.0	0.072	1.63
Top	10	0.427	614.0	0.557	1.63

#### **EUT and Device with Leather Band**

Position	Lateral Distance from EUT (cm)	Electric Field Strength (V/m)	Limit (V/m)	Magnetic Field Strength (A/m)	Limit (A/m)
Edge 1	10	0.181	614.0	0.038	1.63
Edge 2	10	0.287	614.0	0.040	1.63
Edge 3	10	0.224	614.0	0.054	1.63
Edge 4	10	0.166	614.0	0.038	1.63
Top	10	0.252	614.0	0.497	1.63

#### **EUT without Device**

Position	Lateral Distance from EUT (cm)	Electric Field Strength (V/m)	Limit (V/m)	Magnetic Field Strength (A/m)	Limit (A/m)
Edge 1	10	0.092	614.0	0.054	1.63
Edge 2	10	0.028	614.0	0.028	1.63
Edge 3	10	0.067	614.0	0.062	1.63
Edge 4	10	0.086	614.0	0.032	1.63
Top	10	0.153	614.0	0.564	1.63

Reported Measurements are the RMS average of multiple sweeps over a period of 30s