

TEST REPORT

of

FCC Part 1 §1.1310

FCC ID : PYADT-900

Equipment Under Test : Nokia wireless charging plate DT-900
Model Name : DT-900
Serial No. : N/A
Applicant : Nokia Corporation
Manufacturer : Nokia Corporation
Date of Test(s) : 2012. 09. 18 ~ 2012. 09. 18
Date of Issue : 2012. 09. 19

In the configuration tested, the EUT complied with the standards specified above.

Tested By:



Date

2012. 09. 19

Logan Lee

Approved By:



Date

2012. 09. 19

Feel Jeong

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1. General information

1.1. Testing laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

- 705, Dongchun-Dong Sooji-Gu, Yongin-Shi, Kyungki-Do, South Korea.
- Wireless Div. 3FL, 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea 435-040

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1.2. Details of applicant

Applicant : Nokia Corporation
Address : Joensuunkatu 7E P.O. Box 86 Salo FIN-24100 Finland
Contact Person : Tero Lehtinen
Phone No. : +358-7180-08000

1.3. Description of EUT

Kind of Product	Nokia wireless charging plate DT-900
Model Name	DT-900
Serial Number	N/A
Operating Voltage	DC 12 V / 0.75 A (from AC Power adapter_ AC 100 V ~ 240 V, 50 Hz/ 60 Hz)
Frequency Range	Tx : 112 kHz ~ 205 kHz
Operating Conditions	-5 °C ~ 45 °C
Antenna Type	Coil Antenna

1.4. Declarations by the manufacturer

- Operation temperature: -5 °C ~ 45 °C

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1.5. Test Equipment List

Equipment	Manufacture	Model	S/N	Cal due.
Isotropic Electric Field Probe	ETS Lindgren	HI-6005	00086968	Mar. 22, 2013
B-Field Probe	Narda	BN 2300/90.10	J-0025	Jan. 30, 2013
Exposure Level Meter	Narda	ELT-400	J-0015	Jan. 30, 2013

1.6. Test report revision

Revision	Report number	Description
0	F690501/RF-RTL005806	Initial

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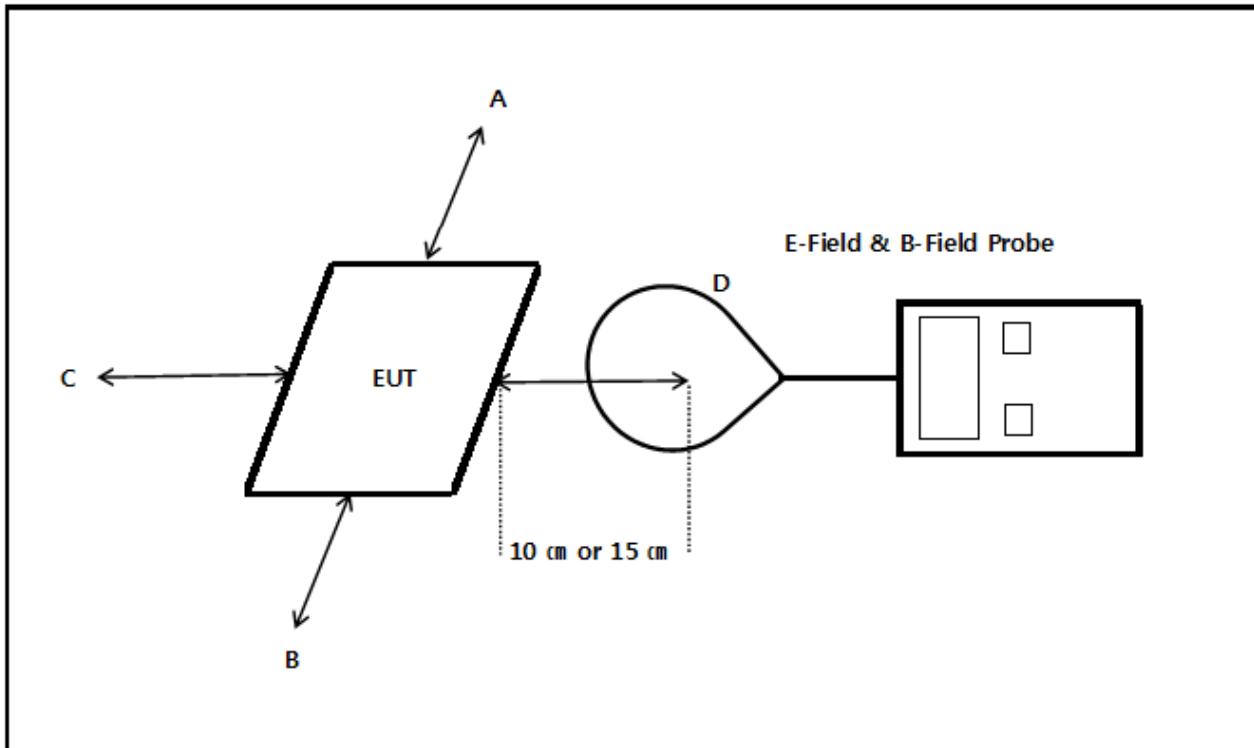
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2. Test Result

2.1. Test Setup



Note

- The RF exposure test is performed in the shield room.
- The test distance is between the edge of the charger and the geometric center of probe.
- The Nokia N8 phone with specific receiver being charged by the transmitter during the field measurements.

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2.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310

According to FCC 1.1310 : The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b)

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength(V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
(A) Limits for Occupational /Control Exposures				
0.3 – 3.0	614	1.63	*(100)	6
(B) Limits for General Population/Uncontrol Exposures				
<u>0.3 – 1.34</u>	<u>614</u>	<u>1.63</u>	*(100)	30

* = Plane wave equivalent power density

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2.3. E and H field strength

Test Mode : Normal Operation(Charging mode)

2.3.1. E-Field Strength at 10 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Limits (V/m)
0.112 ~ 0.205	5.58	5.78	5.91	5.34	614.00

2.3.2. E-Field Strength at 15 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Limits (V/m)
0.112 ~ 0.205	5.09	4.98	4.16	4.56	614.00

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2.3.3. H-Field Strength at 10 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Limits (A/m)
0.112 ~ 0.205	0.181	0.182	0.182	0.190	1.630

2.3.4. H-Field Strength at 15 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Limits (A/m)
0.112 ~ 0.205	0.179	0.179	0.179	0.183	1.630

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