

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

INDEX

<u>TABLE OF CONTENTS</u>	Page
1. General Information -----	3
2. Test Result -----	5
3. Appendix A Photos of the EUT & Test Setup Photos -----	9

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea

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

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>.

Phone No. : +82 +31 428 5700

Fax No. : +82 +31 427 2371

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

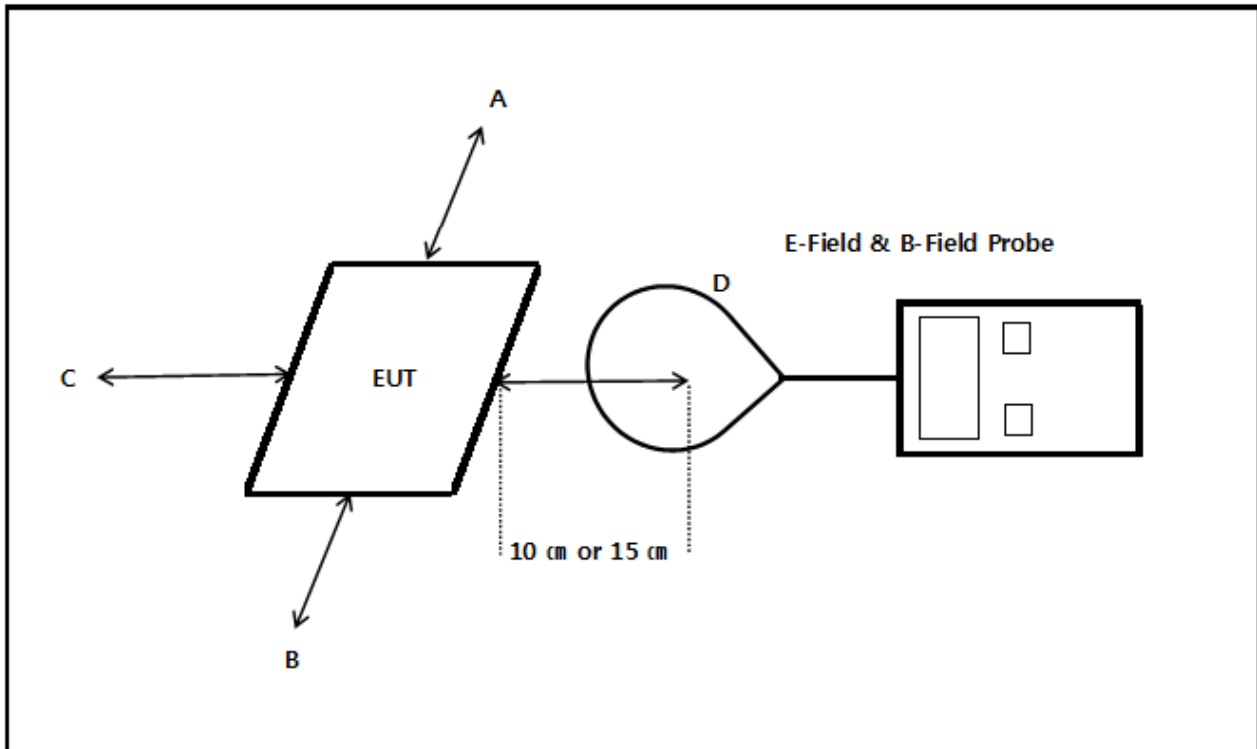
SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea

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.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

SGS Korea Co., Ltd. (Gunpo Laboratory) 18-34, Sanbon-dong, Gunpo-si, Gyeonggi-do, Korea, 435-040

Tel. +82 31 428 5700 / Fax. +82 31 427 2371

www.ee.sgs.com/korea