RF EXPOSURE REPORT

Test item	:	makeON Charging Stand
Model No.	:	MO-CS001
Order No.	:	DEMC1405-02001
Date of receipt	:	2014-05-26
Test duration	:	2014-06-30 ~ 2014-07-01
Date of issue	:	2014-07-14
Use of report	:	FCC Original Grant

Applicant : Amorepacific Corporation
100, Cheonggyecheon-ro, Jung-gu, Seoul, South Korea

Test laboratory : DT&C Co., Ltd.
42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935

Test specification : FCC Part 1.1310

Test environment : See appended test report

Tested by:

Engineer
KwiCheol, Yeom

Reviewed by:

Deputy General Manager
HongHee, Lee

Test Report Version

Test Report No.	Date	Description
DRTFCC1407-0914	Jul. 10, 2014	Initial issue
DRTFCC1407-0914(1)	Jul. 14, 2014	Update Result

CONTENTS

1. Equipment information 4

1.1 Equipment description 4

1.2 Support equipment.....4

2. Information about test items 5

2.1 Test Configuration and Mode 5

2.2 Tested environment.....5

3. E and H field strength 6

1. Equipment information

1.1 Equipment description

FCC Equipment Class	Part 15 Low Power Transmitter Below 1705 kHz (DCD)
Equipment type	makeON Charging Stand
Equipment model name	MO-CS001
Equipment add model name	N/A
Equipment serial no.	Identical prototype
Frequency range	110 ~ 205kHz
Output power	Max : 2.1 W
Power	AC 120V/ 60Hz
Antenna type	Coil Antenna(Circular single coil)

1.2 Support equipment

Equipment	Model No.	Serial No.	Manufacturer	Note
Travel Adapter	KBC-S240	N/A	Shenzhen Theone Electronic	-
-	-	-	-	-
-	-	-	-	-

Note: The supporting equipments were supported by manufacturer.

2. Information about test items

2.1 Test Configuration and Mode

▪Test configuration

The field strength of both E-field and H-field were measured at 10 cm using RF exposure survey meter with E-field and H-field probes for determining compliance with the MPE requirements of FCC Part 1.1310

During measurements, the wireless charging pad (EUT) was wirelessly charging a battery housed inside a portable handset and was loaded with the client device using the resistor as described below summary table for test modes and conditions.

The RF power density was measured with the battery at 2 different charge conditions: battery at almost 0 % and 50 % status, 3 resistive load conditions: 300 mA, 600 mA, 1000 mA (Max. charging current with 5 Ω resister).

These testing were performed at test configuration as test setup diagram on clause 3 of this test report.

EUT was placed on a non-conductive turntable, and the portable handset with charging cover for charging a battery or client device with resistive load for drawing various load current.

This device uses a wireless charging circuit for power transfer operating at the frequency of 110 KHz ~ 205 KHz. Thus, the 300 KHz RF exposure limits were used as below table.

▪Test mode

This device has been tested with the below test modes and charging current conditions:

Charging Current	Support Equipment
300mA	Wireless Charging Cover
600mA	
1000mA(Max)	

▪ Limit

	Frequency	E-Field limit	H-Field limit
FCC Part 1.1310	300 kHz ~ 3 MHz	614 V/m	1.63 A/m

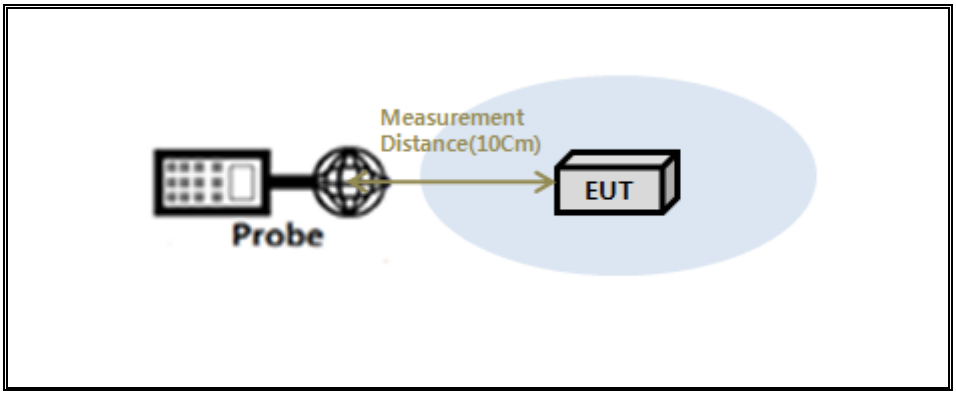
2.2 Tested environment

Temperature	:	21 ℃
Relative humidity content	:	38 ~ 40 % R.H.
Details of power supply	:	AC 120 V/60 Hz

3. E and H field strength

For RF exposure purposes, the E and H field strengths are measured separately with E and H probes and meters at different locations surrounding the test setup.

▪ Test setup diagram



▪ Measurement procedure

These testing were performed at test configuration as above diagram.
EUT was placed on a turntable, and the measurement distance of 10 Cm from the center of the probe to the edge of the device. And test was performed all sides of the EUT(except bottom side).

▪Test equipment list

	Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next. Cal.Date (yy/mm/dd)	S/N
☒	Magnetic Field Meter	Holaday Industries	HI-3627	14/01/09	16/01/09	23776
☒	Electric Field Meter	Combinova	EFM200	14/01/20	16/01/20	185(N2443)

▪Measurement data:

Tested Frequency	Result								Limit	
	E-field(V/m)				H-field(A/m)				E-field(V/m)	H-field(A/m)
	0	90	180	270	0	90	180	270		
Lowest	5.10	3.11	3.77	3.77	***0.74***	0.28	0.42	0.21	614	1.63
Middle	5.42	3.56	4.03	5.11	0.69	0.26	0.48	0.23		
Highest	***8.33***	4.67	4.42	5.22	0.71	0.32	0.48	0.26		

Note: The worst case data were reported.