TEST REPORT

Dt&C

DT&C Co., Ltd.

42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 17042
Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2002-0035
2. Customer
   - Name : DONGYANG E&P Inc.
   - Address : 31B 3-1, Jinwi Industrial Estate, Cheongho-Ri, Jinwi-Myeon, Pyeongtaek-Si, Gyeonggi-Do, South Korea 451-862
3. Use of Report : FCC Original Grant
4. Product Name / Model Name : Wireless Phone Charger / G6F76-AC000
   FCC ID : SKU-G6F76AC000
5. Test Method Used : KDB 680106 D01 v03
   Test Specification : FCC Part 1.1310
6. Date of Test : 2020.01.09 ~ 2020.02.04
7. Testing Environment : See appended test report.
8. Test Result : Refer to the attached test result.

Affirmation	Tested by Name : JaeHyeok Bang (Signature)	Reviewed by Name : JaeJin Lee (Signature)

2020 . 02 . 12 .

DT&C Co., Ltd.

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

Test Report Version

Test Report No.	Date	Description	Tested by	Reviewed by
DRTFCC2002-0035	Feb. 12, 2020	Initial issue	JaeHyeok Bang	JaeJin Lee

CONTENTS

1. Equipment information

1.1 Equipment description

FCC Equipment Class	Part 15 Low Power Transmitter Below 1705 kHz (DCD)
Equipment type	Wireless Phone Charger
Equipment model name	G6F76-AC000
Equipment add model name	G6F76-AC300 Note
Equipment serial no.	Identical prototype
Frequency	111 kHz ~ 205 kHz
Output power	Max : 5 W
Power Supply	DC 12.5 V
Antenna type	Coil Antenna

Note: The hardware and software are the same as the basic model G6F76-AC000, but differ in the orientation of the appearance.

1.2 Support equipment

Equipment	Model No.	Serial No.	Manufacturer	Note
Passive Coil	NA	NA	DONGYANG E&P Inc.	5W

Note: The above equipment was 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 15 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 loaded with the client device using the resistor as described below summary table for test modes and conditions.
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 client device with resistive load for drawing max charging current.
This device uses a wireless charging circuit for power transfer operating at the frequency of 111 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:

Test Mode	Output Power	Model Name	Support Equipment
TM1	5 W	G6F76-AC000	Client device(Passive Coil)
TM2	5 W	G6F76-AC300	Client device(Passive Coil)

▪ Limit

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

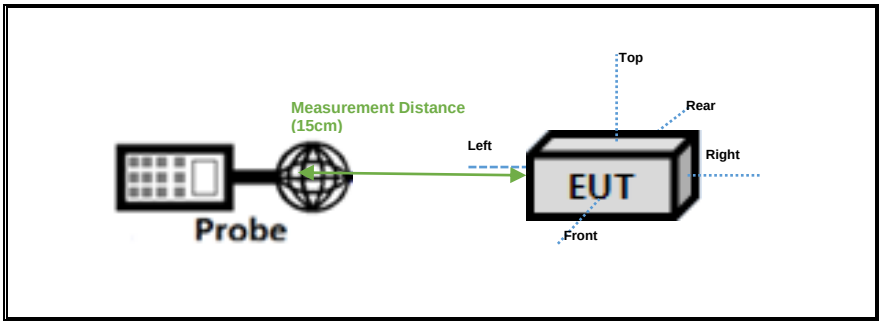
2.2 Tested environment

Temperature	:	23 ℃ ~ 25 ℃
Relative humidity content	:	43 % ~ 45 %
Details of power supply	:	DC 12.5 V

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: KDB 680106**

These testing were performed at test configuration as above diagram.
EUT was placed on a turntable, and the measurement distance of 15 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).

▪**Measurement data:**

Test Mode	E-field(V/m)					Limit(V/m)
	Front	Rear	Right	Left	Top	FCC
TM 1	0.640	0.550	0.510	0.550	**0.860**	614
TM 2	0.570	0.570	0.540	0.540	**0.720**	
-	-	-	-	-	-	

Test Mode	H-field(A/m)					Limit(A/m)
	Front	Rear	Right	Left	Top	FCC
TM 1	0.221	0.249	0.224	0.220	**0.374**	1.63
TM 2	0.218	0.231	0.223	0.218	**0.388**	
-	-	-	-	-	-	

▪**Test equipment list**

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next. Cal.Date (yy/mm/dd)	S/N
EMF Meter	NARDA	ELT-400	19/12/10	20/12/10	N-0342
EMF probe	NARDA	B-Field Probe	19/12/10	20/12/10	M-0779
Broadband field meter	NARDA	NBM-550	19/12/16	21/12/16	E-1275
Broadband field probe	NARDA	EF-0391	19/12/16	21/12/16	D-0894
Thermohygrometer	BODYCOM	BJ5478	19/12/16	20/12/16	120612-2