RF Exposure Report

Report No.: AGC04067180501FH03

APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Wireless charger
BRAND NAME	:	Gift
MODEL NAME	:	W6
CLIENT	:	Gift Republic
DATE OF ISSUE	:	Jun. 16, 2018
STANDARD(S)	:	KDB 680106 D01 RF Exposure Wireless charger App v03
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 16, 2018	Valid	Initial Release

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TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY 4

2. GENERAL INFORMATION 5

2.1. PRODUCT DESCRIPTION 5

3. DESCRIPTION OF TEST MODES 6

4. SYSTEM TEST CONFIGURATION 6

5. TEST FACILITY 7

6. RADIO FREQUENCY (RF) EXPOSURE TEST 8

6.1. LIMITS 8

6.2. TEST SETUP 8

APPENDIX A: PHOTOGRAPHS OF TEST SETUP 11

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1. VERIFICATION OF CONFORMITY

Applicant	Gift Republic
Address	4 Lyon Road London I SW19 2RL, UK
Manufacturer	SHENZHEN MIABOO TECHNOLOGY CO., LTD
Address	4/F, Building 24, Phase II, Lianchuang Technology Park, Bulan Rd,Nanwan St., Longgang District, Shenzhen, China (Zip: 518112)
Product Designation	Wireless charger
Brand Name	Gift
Test Model:	W6
Date of test	May 24, 2018 to Jun. 16, 2018
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-US-BR/RF (2013-03-01)

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in KDB 680106 D01.

The results of testing in this report apply to the product/system which was tested only.

Tested By	Max Zhang(Zhang Yi)	Jun. 16, 2018
Reviewed By	Bart Xie(Xie Xiaobin)	Jun. 16, 2018
Approved By	Forrest Lei(Lei Yonggang) Authorized Officer	Jun. 16, 2018

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	173.6KHz
Maximum field strength	52.09dBuV/m(Peak)@3m
Modulation	FSK
Number of channels	1
Antenna Designation	Integrated Antenna (Met 15.203 Antenna requirement)
Hardware Version	HLY-QI3V1.0
Software Version	V1.0
Power Supply	5V/2A

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3. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Wireless charging Mode at 5V (Full load)
2	Wireless charging Mode at 5V (Half load)
3	Wireless charging Mode at 5V (Null load)

4. SYSTEM TEST CONFIGURATION

Item	Equipment	Model No.	ID or Specification	Remark
1	Wireless charger	W6	2AP24-W6	EUT

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5. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012
NVLAP LAB CODE	600153-0
Designation Number	CN5028
FCC Test Firm Registration Number	682566
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0

TEST EQUIPMENT LIST

Description	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Broadband Field Meter	Narda Safety Test Solutions GmbH	NBM-550	J-0004	June 15, 2017	June 14, 2018
Probe FHP	Narda Safety Test Solutions GmbH	EHP-50F	J-0015	June 15, 2017	June 14, 2018

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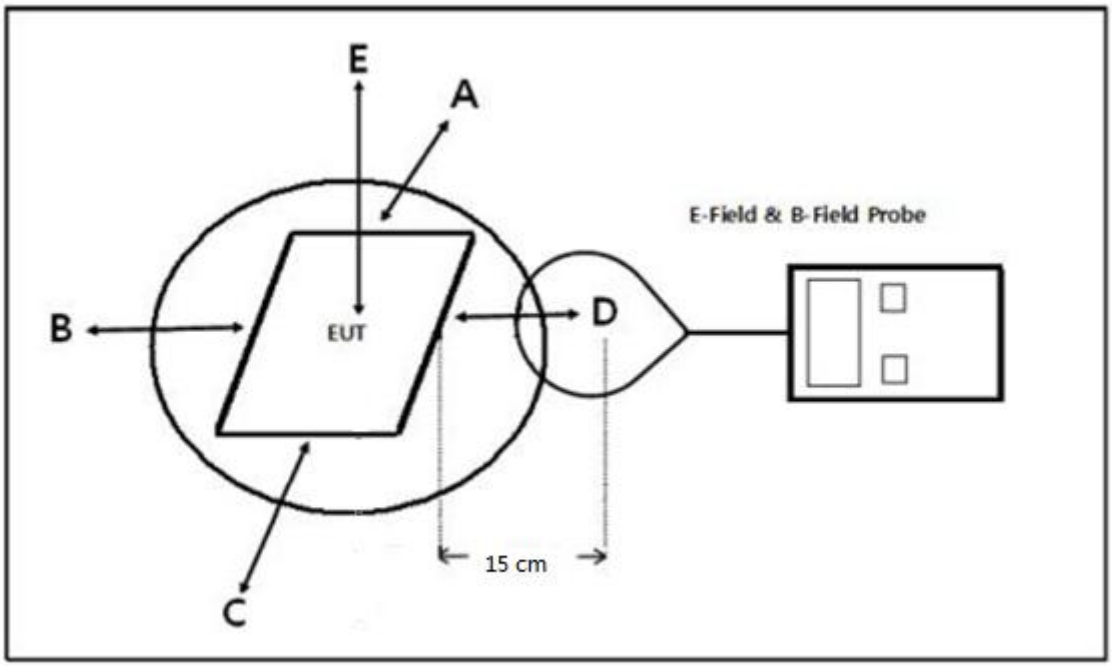
6. RADIO FREQUENCY (RF) EXPOSURE TEST

6.1. LIMITS

For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m.

6.2. TEST SETUP



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(20 cm measure distance);

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6.3. TEST PROCEDURE

The EUT was placed on a non-conductive table top and the ancillary equipment (e.g. mobile phone) was placed on the EUT for charging.

Maximum E-field and H-field measurements were tested 15cm from each side of the EUT. For top side the measure distance is 20cm.

Along the side of the EUT to center of E-field probe and H-field probe were positioned at the location to search maximum field strength.

6.4. TEST RESULT

Test condition: Mode 1

E-field strength test result:

Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
173.6kHz	0.212	0.20	0.21	0.22	2.13	614

H-field strength test result:

Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
173.6kHz	0.07	0.06	0.08	0.09	0.61	1.63

Test condition: Mode 2

E-field strength test result:

Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
173.6kHz	0.12	0.15	0.14	0.12	1.21	614

H-field strength test result:

Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
173.6kHz	0.09	0.08	0.07	0.08	0.73	1.63

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Test condition: Mode 3

E-field strength test result:

Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
173.6kHz	0.18	0.21	0.20	0.18	1.65	614

H-field strength test result:

Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
173.6kHz	0.10	0.09	0.08	0.09	0.72	1.63

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Position E

Position A

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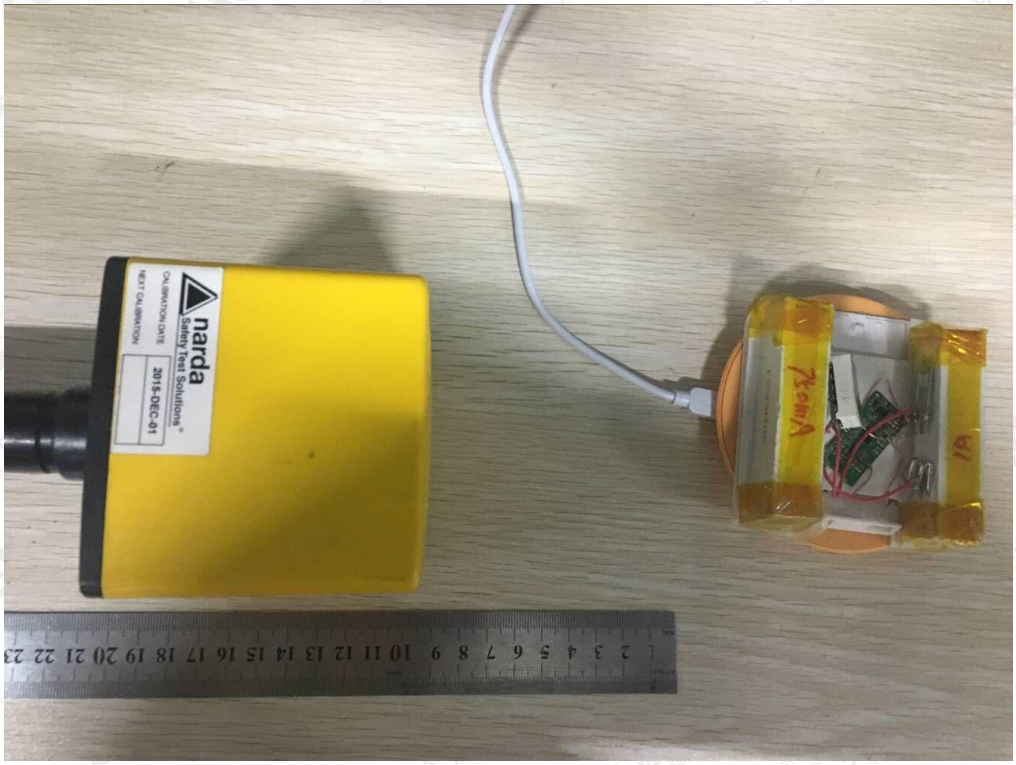
Position B



Position C

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Position D

----END OF REPORT----

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