

RF EXPOSURE REPORT
For
Guangzhou Tong Shi Trading Company
Wireless Power Bank
Test Model No.: W6-800
Additional Model No.: MW-008, MF-8000C

Prepared for : Guangzhou Tong Shi Trading Company
Address : Room 406, Liuhua Building, West of Zhongzhanli, Liuhua Road, Liwan District, Guangzhou, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Date of receipt of test sample : August 03, 2016
Number of tested samples : 1
Serial number : Prototype
Date of Test : August 03, 2016~August 17, 2016
Date of Report : August 17, 2016

RF EXPOSURE REPORT
FCC CFR 47 PART 1, 1.1310**Report Reference No. : LCS1608030222E 01**

Date Of Issue..... : August 17, 2016

Testing Laboratory Name : Shenzhen LCS Compliance Testing Laboratory Ltd.Address : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue,
Bao'an District, Shenzhen, Guangdong, ChinaTesting Location/ Procedure : Full application of Harmonised standards ☒
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name..... : Guangzhou Tong Shi Trading Company**Address : Room 406, Liuhua Building, West of Zhongzhanli, Liuhua
Road, Liwan District, Guangzhou, China**Test Specification**

Standard : FCC CFR 47 PART 1, 1.1310

Test Report Form No. : LCSEMC-1.0

TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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Test Item Description. : Wireless Power Bank

Trade Mark..... : N/A

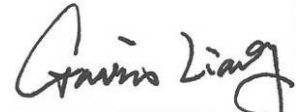
Model/ Type Reference..... : W6-800

Ratings : DC 3.7 by battery (4000mAh)
INPUT: 5V $\overline{\text{---}}$, 1A
OUTPUT: 5V $\overline{\text{---}}$, 2.1A**Result : Positive****Compiled by:**

Ada Liang/ File administrators

Supervised by:

Glin Lu/ Technique principal

Approved by:

Gavin Liang/ Manager

RF EXPOSURE REPORT

Test Report No. : LCS1608030222E 01August 17, 2016

Date of issue

Type/ Model..... : W6-800

EUT..... : Wireless Power Bank

Applicant..... : Guangzhou Tong Shi Trading Company

Address..... : Room 406, Liuhua Building, West of Zhongzhanli, Liuhua Road, Liwan District, Guangzhou, China

Telephone..... : /

Fax..... : /

Manufacturer..... : Shenzhen Maxpower Intelligence Limited

Address..... : 2F,Block 3, Guanghui Technology Park, Minqing Road, Longhua, Shenzhen, China

Telephone..... : /

Fax..... : /

Factory..... : Shenzhen Maxpower Intelligence Limited

Address..... : 2F,Block 3, Guanghui Technology Park, Minqing Road, Longhua, Shenzhen, China

Telephone..... : /

Fax..... : /

Test Result**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Revision	Issue Date	Revisions	Revised By
00	2016-08-17	Initial Issue	Gavin Liang
01	2016-08-24	Revised	Gavin Liang

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1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

This device is designed for typical desktop applications, the EUT have been tested according to the applicable standards as referenced below.

MAXIMUM PERMISSIBLE EXPOSURE		
Description of Test Item	Standard	Results
E-Field Strength at 10cm	FCC CFR 47 part 1, 1.1310 KDB680106 D01v02	PASS
H-Field Strength at 10cm		PASS

1.2. Description of Test Modes

Test Modes:		
Mode 1	EUT + iphone5s (iphone5s battery status: <1% & Power bank Battery Status: <1%)	Record
Mode 2	EUT + iphone5s (iphone5s battery status: <50% & Power bank Battery Status: <1%)	Pre-tested
Mode 3	EUT + iphone5s (iphone5s battery status: 100% & Power bank Battery Status: <1%)	Pre-tested
Mode 4	EUT + iphone5s (iphone5s battery status: <1% & Power bank Battery Status: <50%)	Pre-tested
Mode 5	EUT + iphone5s (iphone5s battery status: <50% & Power bank Battery Status: <50%)	Pre-tested
Mode 6	EUT + iphone5s (iphone5s battery status: 100% & Power bank Battery Status: <100%)	Pre-tested
Mode 7	EUT + iphone5s (iphone5s battery status: <1% & Power bank Battery Status: <100%)	Pre-tested
Mode 8	EUT + iphone5s (iphone5s battery status: <50% & Power bank Battery Status: <100%)	Pre-tested
Mode 9	EUT + iphone5s (iphone5s battery status: 100% & Power bank Battery Status: <100%)	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : Wireless Power Bank
 Model Number : W6-800
 Power Supply : DC 3.7V by battery (4000mAh)
 INPUT: 5V $\overline{=}$, 1A
 OUTPUT: 5V $\overline{=}$, 2.1A
 Frequency Band : 110KHz~205KHz
 Antenna Type : Inductive loop Coil antenna

Additional models No.		
MW-008	MF-8000C	--
Remark: PCB board, structure and internal of these model(s) are the same, So no additional models were tested.		

2.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Apple	iphone	5s	--	DOC
Lenovo	PC	B470	--	DOC
Lenovo	AC/DC ADAPTER	ADP-90DDB	--	DOC

2.3. External I/O Port

I/O Port Description	Quantity	Cable
USB	2	0.5m
Charge Interface	1	0.5m

2.4. Description of Test Facility

Site Description

EMC Lab. : Accredited by CNAS, June 04, 2010
 The Certificate Registration Number. is L4595.

Accredited by FCC, July 14, 2011
 The Certificate Registration Number. is 899208.

Accredited by Industry Canada, May. 02, 2011
 The Certificate Registration Number. is 9642A-1

Accredited by VCCI, Japan January 30, 2012
 The Certificate Registration Number. is C-4260 and R-380

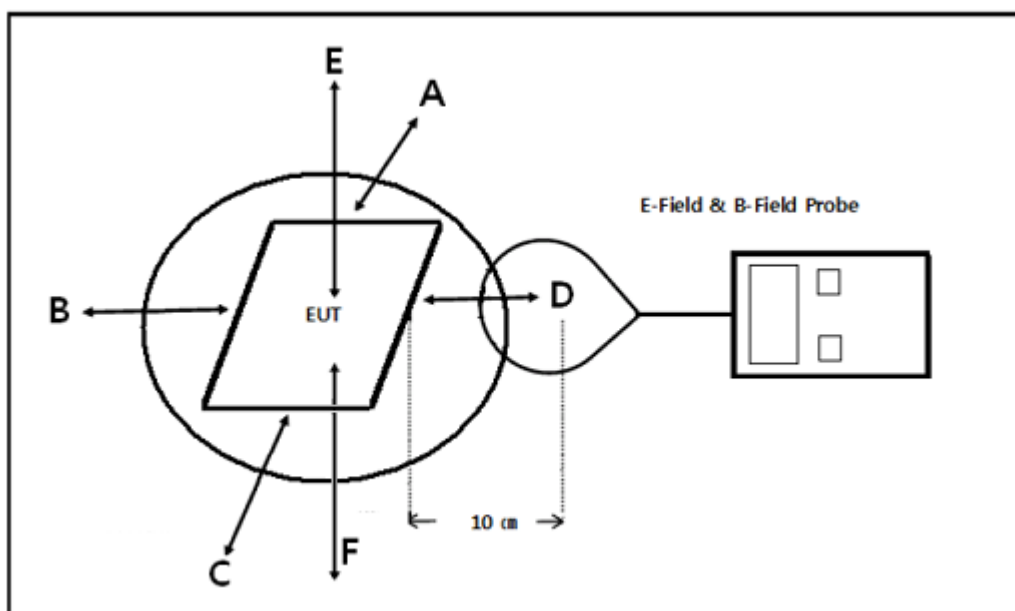
3. RF EXPOSURE EVALUATION

3.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Last Cal.	Due. Date
1	Broadband Field Meter	Narda	NBM-550	2016/06/18	2017/06/17
2	Exposure Level Tester	Narda	ELT-400	2016/06/18	2017/06/17

3.2. Block Diagram of Test Setup



*Note:

Position A: Back Side of the EUT&AUX(iphone5s)

Position B: Left Side of the EUT&AUX(iphone5s)

Position C: Front Side of the EUT&AUX(iphone5s)

Position D: Right Side of the EUT&AUX(Iphone5s)

Position E: Top Side of the EUT&AUX(Iphone5s)

Position F: Bottom Side of the EUT&AUX(Iphone5s)

3.3. Radio frequency radiation exposure limits

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

Table 1 Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

RF exposure compliance will need to be determined with respect to 1.1307 (c) and (d) of the FCC rules. The emissions should be within the limits at 300 kHz in Table 1 of 1.1310 (use the 300 kHz limits for 150 kHz: 614 V/m, 1.63 A/m).

3.4. Test Results

E-field Strength Test Result:

Test condition: Charging mode with Iphone5s(less than 1% battery status)

Frequency Range(KHz)	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)	Probe Position F (V/m)	Limit (V/m)
110~205	6.25	6.20	6.08	6.80	7.20	6.53	614.00

Test condition: Charging mode with Iphone5s(less than 50% battery status)

Frequency Range(KHz)	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)	Probe Position F (V/m)	Limit (V/m)
110~205	6.14	6.16	5.66	5.71	7.12	6.32	614.00

Test condition: Charging mode with Iphone5s(100% battery status)

Frequency Range(KHz)	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)	Probe Position F (V/m)	Limit (V/m)
110~205	5.47	5.40	5.75	5.60	6.89	6.13	614.00

H-field Strength Test Result:

Test condition: Charging mode with Iphone5s(less than 1% battery status)

Frequency Range(KHz)	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)	Probe Position F (A/m)	Limit (A/m)
110~205	0.04	0.04	0.04	0.05	0.07	0.06	1.63

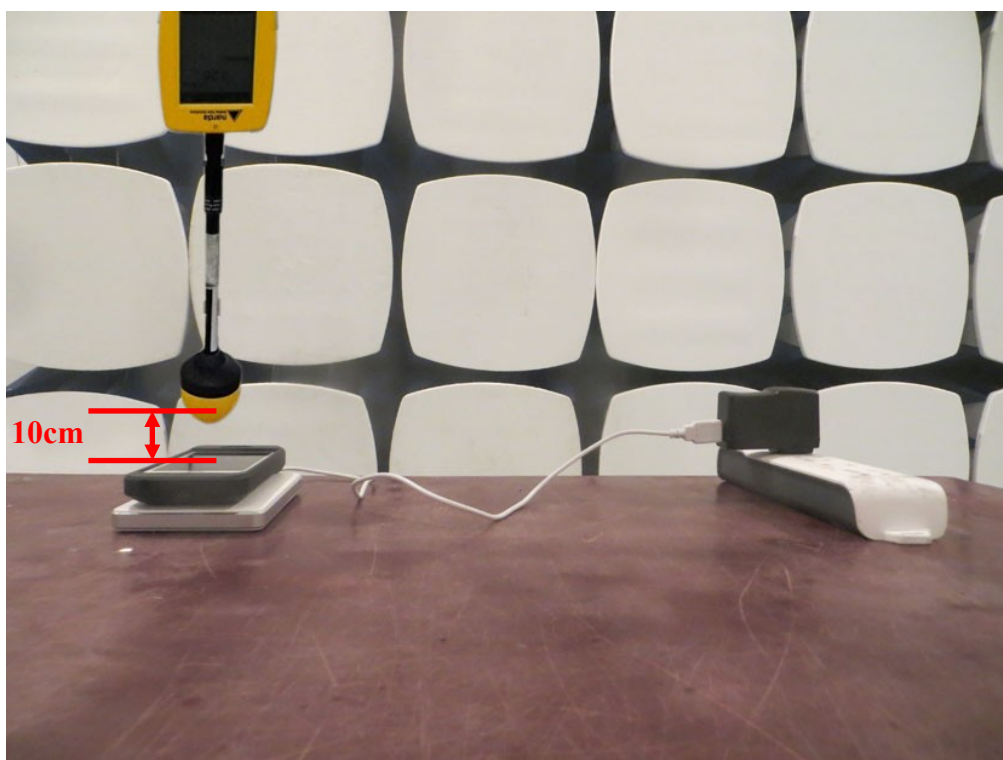
Test condition: Charging mode with Iphone5s(less than 50% battery status)

Frequency Range(KHz)	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)	Probe Position F (A/m)	Limit (A/m)
110~205	0.04	0.03	0.04	0.04	0.06	0.05	1.63

Test condition: Charging mode with Iphone5s(100% battery status)

Frequency Range(KHz)	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)	Probe Position F (A/m)	Limit (A/m)
110~205	0.03	0.04	0.03	0.04	0.05	0.04	1.63

3.5. Photographs Of Test Setup(Worst Position E)



-----THE END OF REPORT-----