

Health Test Report

Report No.: AGC03946180505EH02

PRODUCT DESIGNATION : Wireless charging mobile power bank
BRAND NAME : N/A
MODEL NAME :
MANUFACTURER :
DATE OF ISSUE : Jun. 06, 2018
STANDARD(S) : EN 50364:2010
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	/	May 21, 2018	Valid	Extension Report (Based on the original report- No. AGC04094180503EH02, change the name of EUT, information of manufacturer and factory.)

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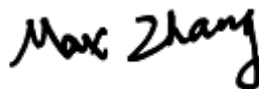
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1. TEST REPORT CERTIFICATION

Manufacturer	
Address	
Factory	
Address	
Product Designation	Wireless charging mobile power bank
Brand Name	N/A
Test Model	LWC-S5, LWC-S8, LWC-S12
Date of test	May 17, 2018 to May 21, 2018
Deviation	None
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-EC-EMC

We, Attestation of Global Compliance (Shenzhen) Co., Ltd. for compliance with the requirements set forth in the European Standard EN 50364. The results of testing in this report apply to the product/system which was tested only.

Tested by



Max Zhang(Zhang Yi)

May 21, 2018

Reviewed by



Bart Xie(Xie Xiaobin)

Jun. 06, 2018

Approved By



Forrest Lei(Lei Yonggang)

Jun. 06, 2018

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2. GENERAL INFORMATION

2.1. DESCRIPTION OF EUT

The EUT is a short range, WPT device.

Details of technical specification refer to the description in follows:

Hardware Version	V1.0
Software Version	V1.0
The permitted range of operating frequencies used	110-205KHz
Test Frequency	127KHz
Number of Channels	1 Channel
Antenna Type	Integral antenna
Operational Mode	Mode 3: communication Mode 4: energy transmission
Power Supply	5V/2.1A (Worst case)

NOTE: 1. For more information, please refer to User's Manual.

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3. TEST SETUP

2.1 STANDARD APPLICABLE

According to EN 50364:2010, Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications.

Low-power exclusion level P_{\max} based on considerations of SAR

When SAR is the basic restriction, a conservative minimum value for P_{\max} can be derived, equal to the localized SAR limit (SAR_{\max}) multiplied by the averaging mass (m):

$$P_{\max} = SAR_{\max} m \quad (A.1)$$

Example values of P_{\max} according to Equation (A.1) are provided in Table A.1 for cases described by the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2] and IEEE Std C95.1-2005 [3] where SAR limits are defined. Other exposure guidelines or standards may be applicable depending on national regulations.

Reference levels for electric, magnetic and electromagnetic fields
(0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m ²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	$4\,000/f$	$5\,000/f$	—
0,025-0,8 kHz	$250/f$	$4/f$	$5/f$	—
0,8-3 kHz	$250/f$	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	$0,73/f$	$0,92/f$	—
1-10 MHz	$87/f^{1/2}$	$0,73/f$	$0,92/f$	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	$f/200$
2-300 GHz	61	0,16	0,20	10

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2.2 EVALUATION METHODS

Based on the above standard limit, any device with output power below 5A/m cannot produce an exposure exceeding this restriction under the most pessimistic exposure conditions.

2.3 EVALUATION RESULTS

Maximum Average Output Power

Frequency	Radiated H-Field	Limit	Result
MHz	A/m	A/m	Pass/Fail
0.127	0.062	5	Pass

Since Radiated H-Field at worse case is 0.062A/m which cannot exceed the exempt condition, 5A/m specified in EN 50364. It is deemed to full fit the requirement of RF exposure basic restriction specified in EC Council Recommendation (1999/519/EC).

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