

TEST REPORT

Reference No...... : WTS15S0424822-2E
FCC ID : 2AEMZT-205
Applicant..... : Huizhou SPEED Wireless Technology Co.,Ltd.
Address..... : SX-01-02 Shangxia Section, Hi-tech District of East-river, Huizhou, Guangdong, China
Manufacturer : Huizhou SPEED Wireless Technology Co.,Ltd.
Address..... : SX-01-02 Shangxia Section, Hi-tech District of East-river, Huizhou, Guangdong, China
Product Name..... : Wireless charging power bank
Model No...... : T-205
Standards..... : FCC CFR47 Part 1.1310
KDB 680106 D01 v02
Date of Receipt sample : Apr. 08, 2015
Date of Test : May. 05 - 17, 2015
Date of Issue..... : May 17, 2015
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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Approved by:



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1310	PASS

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4 General Information

4.1 General Description of E.U.T.

Product Name : Wireless charging power bank
Model No. : T-205
Model Description : N/A
Transmitting Frequency : 110-205KHz

4.2 Details of E.U.T.

Technical Data : Battery DC 3.7V 4500mAh *2
USB Input: DC 5V/2A
USB1 Output: DC 5V/2.1A
USB2 Output: DC 5V/2.1A
Wireless Output: DC 5V/1A

4.3 Test Facility

The test facility has a test site registered with the following organizations:

- **IC – Registration No.: 7760A-1**
Waltek Services(Shenzhen) Co., Ltd. has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration 7760A-1, July 12, 2012.
- **FCC Test Site 1#– Registration No.: 880581**
Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory `has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 880581, April 29, 2014.
- **FCC Test Site 2#– Registration No.: 328995**
Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory `has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 328995, December 3, 2014.

5 Equipment Used during Test

5.1 Equipments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	Probe(0.01-10MHz)	Shangfang	9502-103	SF0629	Sep.15,2014	Sep.14,2015

5.2 Supporting Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	Wireless Receiver	Changjiang	UNICR-548Q	-	-	-
2.	Resistor	-	5 Ω	-	-	-

5.3 Measurement Uncertainty

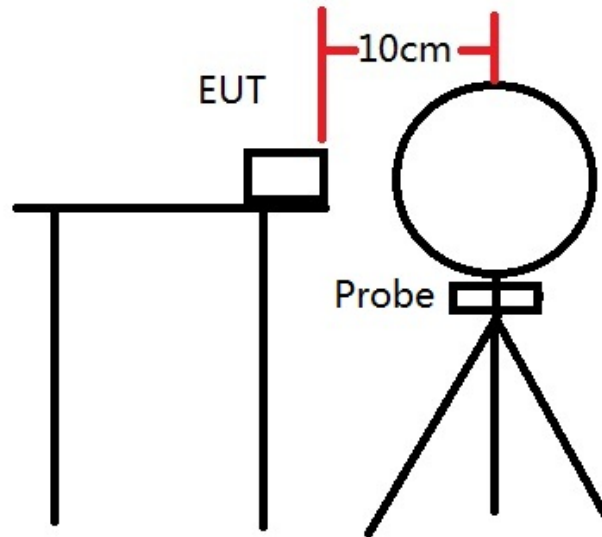
Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-6}$
RF Power	± 1.0 dB
RF Power Density	± 2.2 dB

5.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

6 RF Exposure

6.1 Test Setup



These testing were performed at test configuration as above diagram.

EUT was placed on a table, and the measure probe was placed at a measurement distance of 10cm from the EUT to the center of the probe. The EUT was put in different directions (Left, Right, Front, Rear, Top and Bottom) to obtain the maximum reading.

6.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	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

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

6.3 Test Data

E-Field

Test Side	Separation Distance(cm)	E-Field Measured(V/m)	E-Field Limit(V/m)
Left	10	5.28	614
Right	10	5.39	614
Front	10	5.41	614
Rear	10	5.36	614
Top	10	6.27	614
Bottom	10	6.42	614

H-Field

Test Side	Separation Distance(cm)	H-Field Measured(A/m)	H-Field Limit(A/m)
Left	10	0.12	1.63
Right	10	0.09	1.63
Front	10	0.11	1.63
Rear	10	0.15	1.63
Top	10	0.30	1.63
Bottom	10	0.28	1.63

7 Photographs –T-205 Test Setup

Left Side



Right Side



Front Side



Rear Side



Top Side

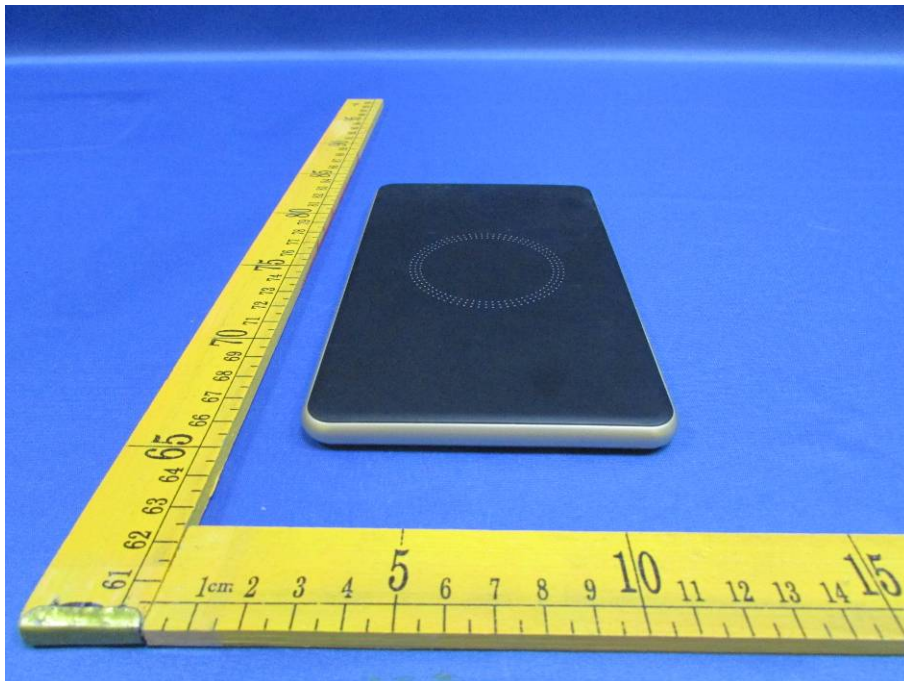
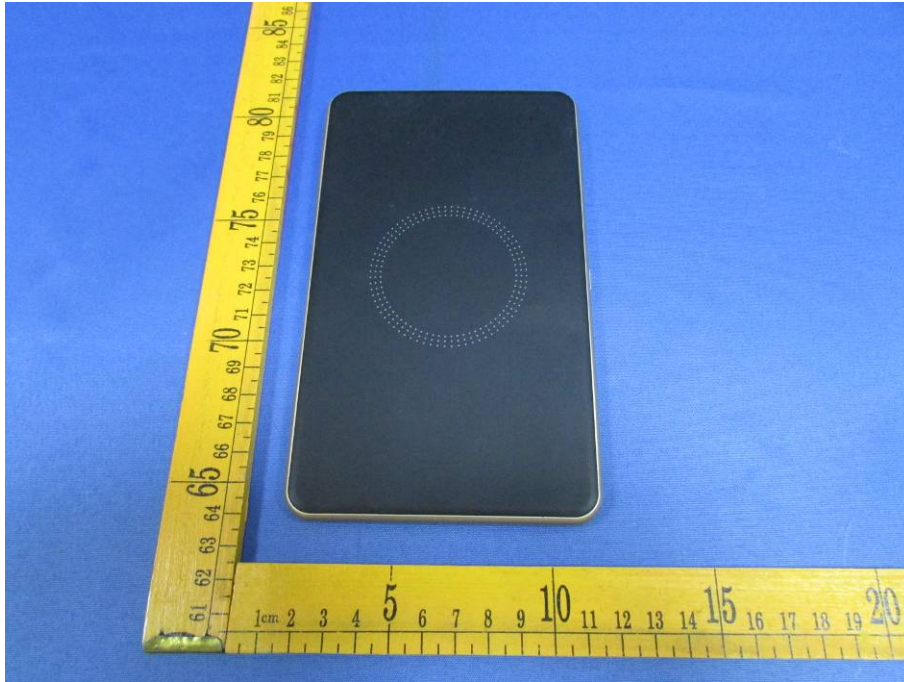


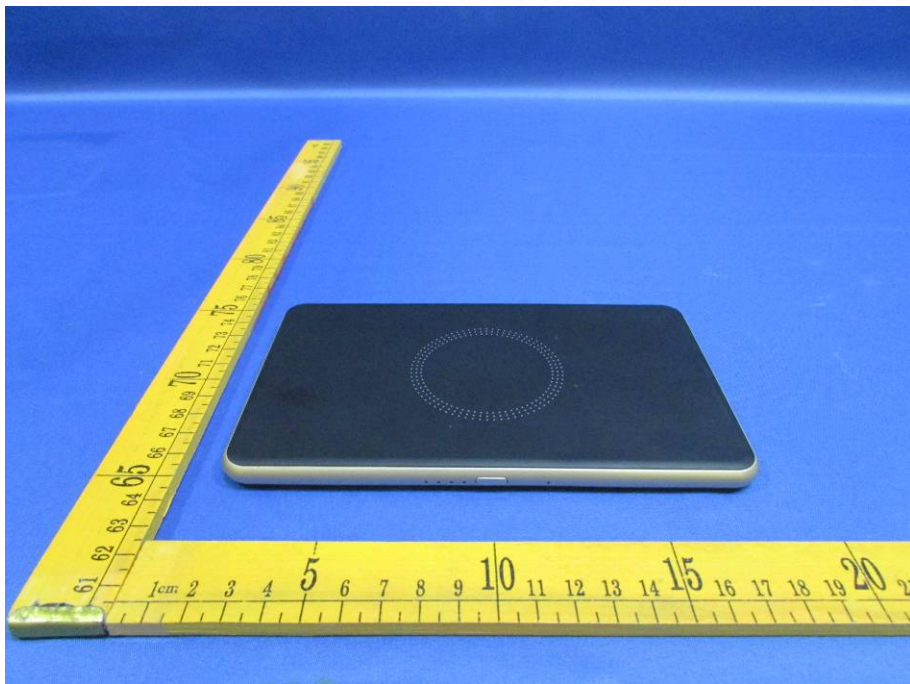
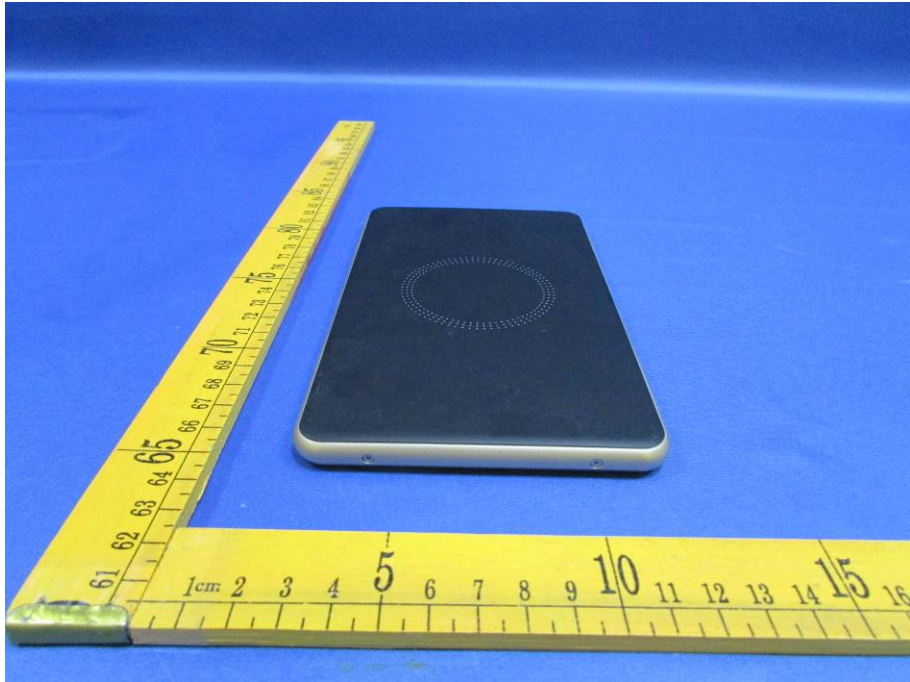
Bottom Side

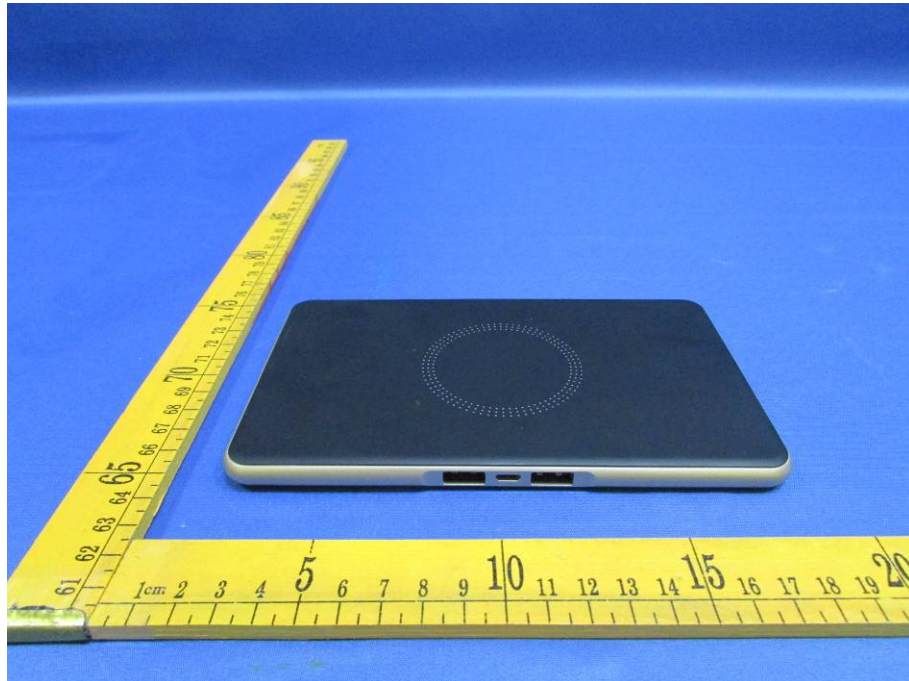


8 Photographs - Constructional Details

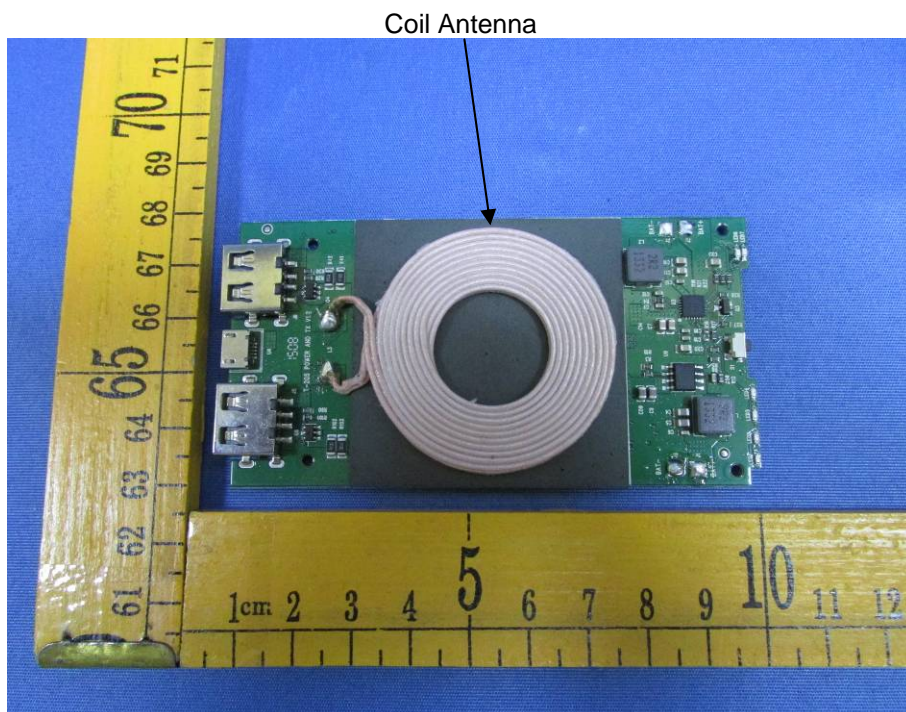
8.1 T-205 External View

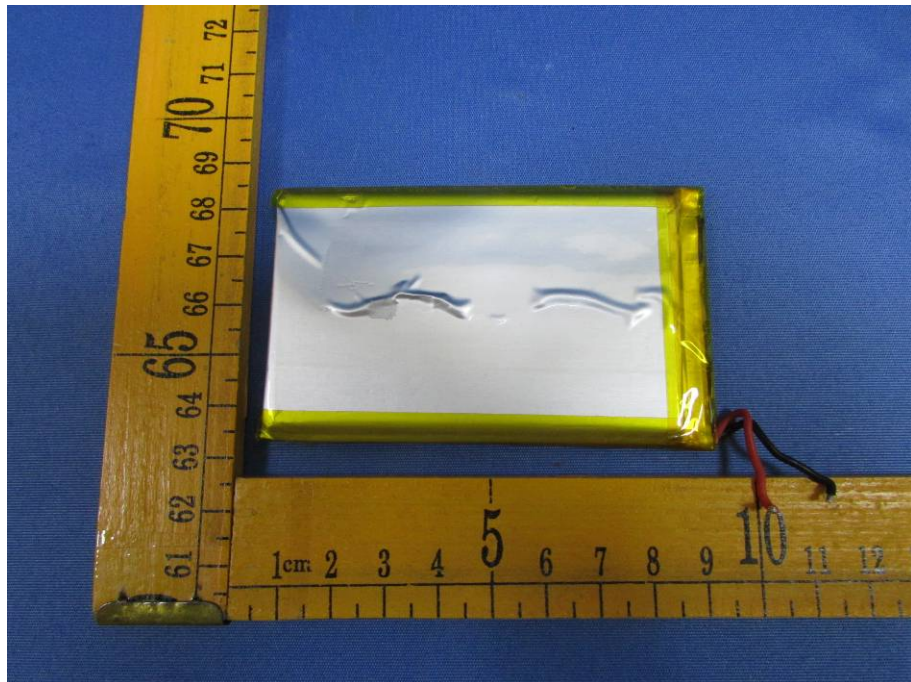
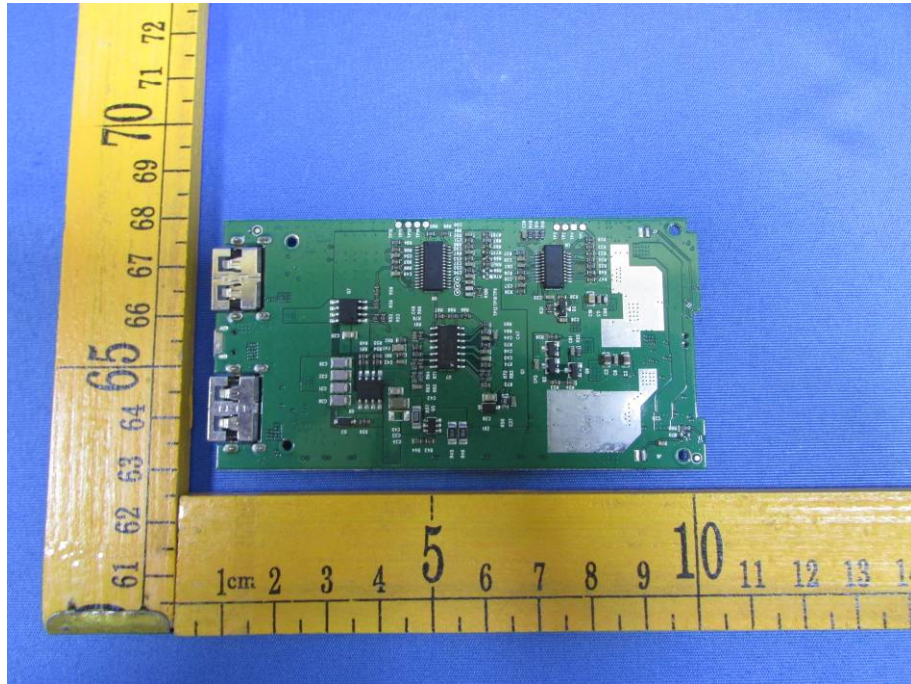






8.2 T-205 Internal View







===== End of Report =====