

No. 1 Workshop, M-10, Middle Section, Science & Technology Park,

District Shenzhen, China 518057

Telephone: +86 (0) 755 2601 2053 Report No.: SZEM150500233802

Human Exposure Report

Application No.: SZEM150500233802

Applicant/ Manufacturer: Shenzhen Canpow Technology Co., Ltd

Address of Applicant/ 4 th Floor of Building B, Hongshengyuan Industrial Zone, No.339 Bulong

Manufacturer: Road, Bantian Town, Longgang Dist, Shenzhen, China.

Factory: Shenzhen Migoy Plastic Electronics Co., Ltd.

Address of Factory: The 1st & 2nd Floor of No.91 Xuegang South Road, Bantian street, Longgang

District, Shenzhen, China

Equipment Under Test (EUT):

EUT Name: Wireless Charger

Model No.: CP681
Trade mark: Canpow

Standards: 47 CFR PART 1, Subpart I, Section 1.1310

Date of Receipt: 2015-05-07

Date of Test: 2015-05-11 to 2015-05-14

Date of Issue: 2015-05-22

Test Result : Pass*

* This report is just a test result base on the test method and limit requirement shown in the form on the second page. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government..

Authorized Signature:



Starry Li EMC Laboratory Project Engineer

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3 General Information

3.1 Details of E.U.T.

Power Supply: Input Voltage: DC5V 1.5A

Output Voltage: DC5V 1A Test Voltage: AC 120V 60Hz

Cable: USB cable: 100cm unshielded

3.2 Description of Support Units

The EUT has been tested with associated equipment below.

| Description | Manufacturer | Model No. |
|------------------------|------------------|---------------|
| Xiaomi Phone | Xiaomi | MI2A |
| wireless charging card | Supply by client | CP681 |
| Adapter | Apple | A1357W010A051 |

3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.



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3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

VCCI

The 10m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

• FCC - Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen 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 No.: 556682.

Industry Canada (IC)

Two 3m Semi-anechoic chambers of SGS-CSTC Standards Technical Services Co., Ltd. have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1 & 4620C-2.

3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.

4 Equipments Used during Test

| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Due date (yyyy-mm-dd) |
|------|-----------------------------|--------------|-----------|---------------|---------------------------|
| 1 | 3m Semi-Anechoic Chamber | ETS-LINDGREN | N/A | SEL0017 | 2015-06-10 |
| 2 | Electric Filed Meter | Schaffner | EMC20 | EMC068 | 2016-04-06 |
| 3 | DC Electronic Load | PRODIGIT | 3302F | 30802F00533 | 2015-12-05 |



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5 Test Results

5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Measurement Distance: 10cm

Test voltage: AC 120V 60Hz

Limit:

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm²) | 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

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 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar

EUT Operation:

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.

^{*=}Plane-wave equivalent power density



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5.1.2 Measurement Data

1:Output Voltage=DC 5V; The max output power =5W;Calculation of resistor value=9.92Ω Electric Field Emissions

| Test Position | Probe Measure Result(V/m) | Limit(V/m) | 30% Limit(V/m) |
|---------------|---------------------------|------------|----------------|
| Side 1 | 5.53 | 614 | 184.2 |
| Side 2 | 5.32 | 614 | 184.2 |
| Side 3 | 5.62 | 614 | 184.2 |
| Side 4 | 5.74 | 614 | 184.2 |
| Тор | 8.75 | 614 | 184.2 |
| Bottom | 4.95 | 614 | 184.2 |

Magnetic Field Emissions

| Test Position | Probe Measure Result(A/m) | Limit(A/m) | 30% Limit(A/m) |
|---------------|---------------------------|------------|----------------|
| Side 1 | 0.0986 | 1.63 | 0.489 |
| Side 2 | 0.0995 | 1.63 | 0.489 |
| Side 3 | 0.0908 | 1.63 | 0.489 |
| Side 4 | 0.0920 | 1.63 | 0.489 |
| Тор | 0.1125 | 1.63 | 0.489 |
| Bottom | 0.0890 | 1.63 | 0.489 |



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2:Mobile phone has been charge at zero charge, intermediate charge, and full charge.

Electric Field Emissions

| Test Position | Probe Measure Result(V/m) | | | Limit(V/m)/ |
|---------------|---------------------------|---------------------|-------------|---------------|
| | zero charge | intermediate charge | full charge | 30%Limit(V/m) |
| Side 1 | 4.77 | 4.96 | 4.64 | 614/184.2 |
| Side 2 | 4.28 | 4.74 | 4.11 | 614/184.2 |
| Side 3 | 4.78 | 5.04 | 4.54 | 614/184.2 |
| Side 4 | 4.35 | 4.87 | 3.99 | 614/184.2 |
| Тор | 6.07 | 6.71 | 5.86 | 614/184.2 |
| Bottom | 3.99 | 4.38 | 3.78 | 614/184.2 |

Magnetic Field Emissions

| Test Position | Probe Measure Result(A/m) | | | Limit(A/m)/ | |
|---------------|---------------------------|---------------------|-------------|---------------|--|
| | zero charge | intermediate charge | full charge | 30%Limit(A/m) | |
| Side 1 | 0.0231 | 0.0263 | 0.0189 | 1.63/0.489 | |
| Side 2 | 0.0241 | 0.0273 | 0.0198 | 1.63/0.489 | |
| Side 3 | 0.0231 | 0.0254 | 0.0204 | 1.63/0.489 | |
| Side 4 | 0.0193 | 0.0207 | 0.0191 | 1.63/0.489 | |
| Тор | 0.0266 | 0.0296 | 0.0246 | 1.63/0.489 | |
| Bottom | 0.0184 | 0.0192 | 0.0181 | 1.63/0.489 | |



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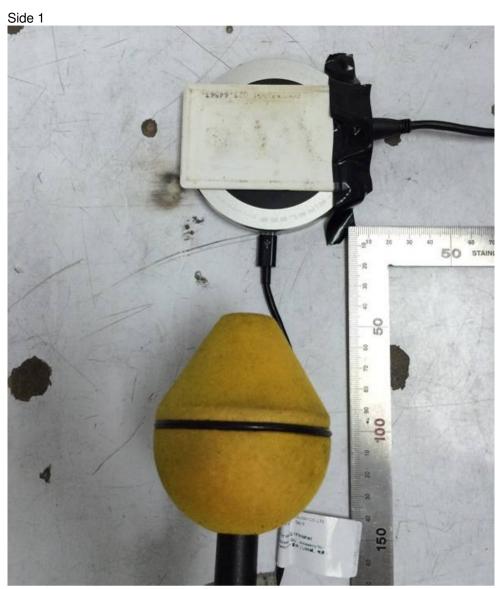
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6 Photographs

6.1 Test photos

Test Model No.: CP681

Test with full load





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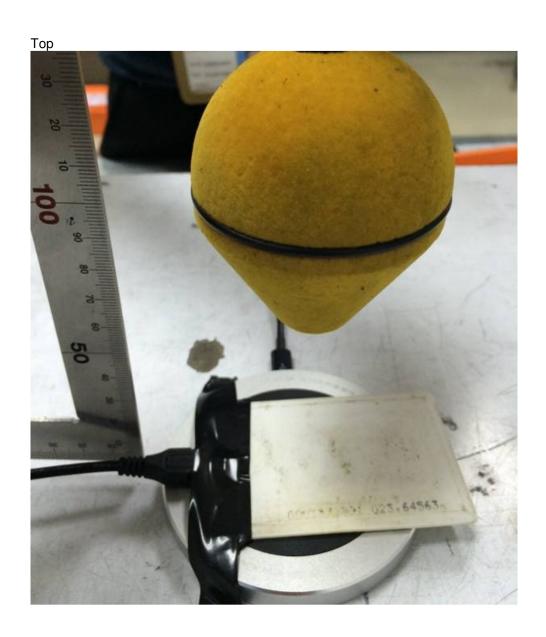






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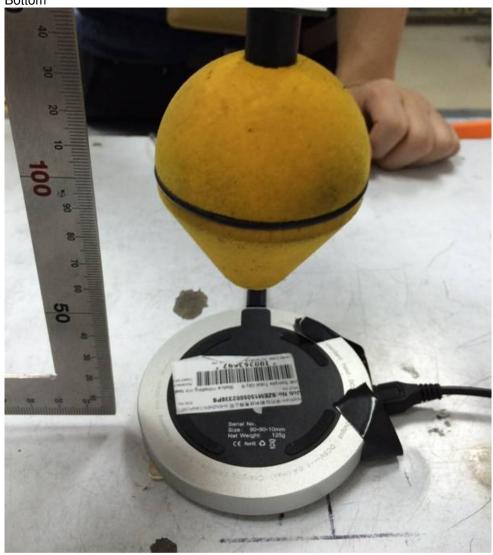




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Test with mobile phone at zero charge, intermediate charge, full charge





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Side 2





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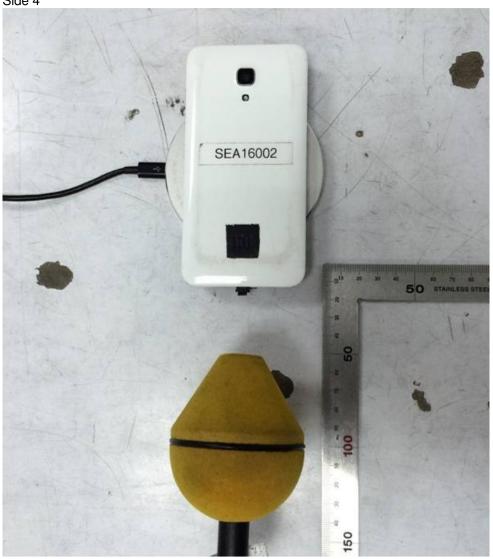
Side 3





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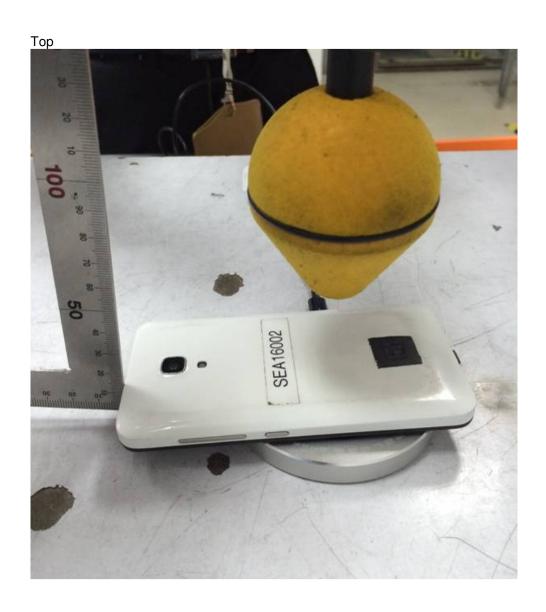
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6.2 EUT photos



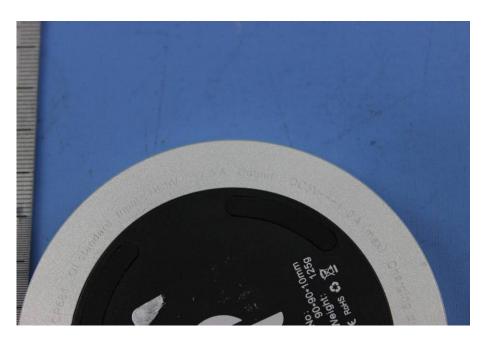




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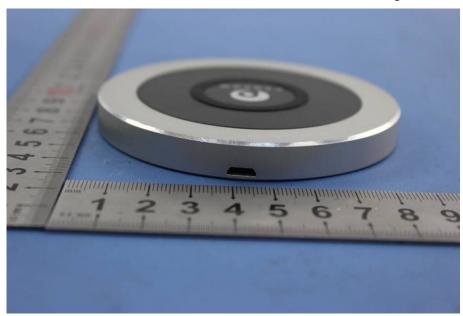






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