



RF EXPOSURE REPORT

For

FCC ID: 2AFP2T-300

| | |
|----------------|--|
| Product Name: | Wireless charger |
| Trademark: | N/A |
| Model Number: | T-300 T-100,Q-100,T-200,T-210,T-310,T-400,T-410,T-500,T-510,T-600,T-610,T-700,T-710,T-800,T-810,T-900,C3,C5,PQ100,PQ200 |
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| Report No.: | BCTC-15080219 |



TEST RESULT CERTIFICATION

Applicant's name **Shenzhen Powerqi Technology Co., Ltd.**

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Manufacture's Name **Shenzhen Powerqi Technology Co., Ltd.**

Address..... 14F No.12 Building, Zhonghaixin Science and Technology Park, Bulan Road, Buji Street, Longgang District, Shenzhen, China

Product description

Product name **Wireless charger**

Trademark N/A

Model and/or type reference : **T-300**

Serial : T-100,Q-100,T-200,T-210,T-310,T-400,T-410,T-500,T-510,T-600,T-610,
Model : T-700,T-710,T-800,T-810,T-900,C3,C5,PQ100,PQ200

Standards..... FCC CFR 47 part1, 1.1307(b), 1.1310

Test Date: Aug. 13 - Aug. 20, 2015

Date of Report : Aug. 22, 2015

This device described above has been tested by BCTC, and the test results show that the equipment under And it is applicable only to the tested sample identified in the report.

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1. GENERAL INFORMATION

1.1. Independent Operation Mode

The basic operation mode is:

| Final Test Mode | Description |
|-----------------|--|
| Mode 1 | TX Low Channel 110kHz |
| Mode 2 | TX High channel 205kHz |
| Mode 3 | RX Mode |
| Mode 4 | Transfer mode(Battery's electric quantity was0%,50%,90%) |

we pretest all mode, the report only show the worst mode.

1.2. Test Supporting System

Adapter

Description : Switching Adapter

Model No. : K05050-2

Power Input : AC 100-240V~50/60Hz 0.15A

Output : DC 5.0V/ 500mA

USB Line : Unshielded, Detachable 0.5m

Mobile phone

Model No. : HUAWEI G620-L75

Battery model: G620



2.LIST OF TEST AND MEASUREMENT INSTRUMENTS

2.1. For conducted emission at the mains terminals test

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-----------------------------|--------------|----------------------|------------|------------|------------|
| Exposure Level Tester | Narda | ELT-400 | N-0231 | Aug. 08,15 | Aug. 07,16 |
| Magnetic field probe 100cm2 | Narda | B-Field Probe 100cm2 | M0675 | Aug. 08,15 | Aug. 07,16 |
| 843 Chamber | ETS | 843 | 84301 | Aug. 02,15 | Aug. 01,16 |

3. METHOD OF MEASUREMENT

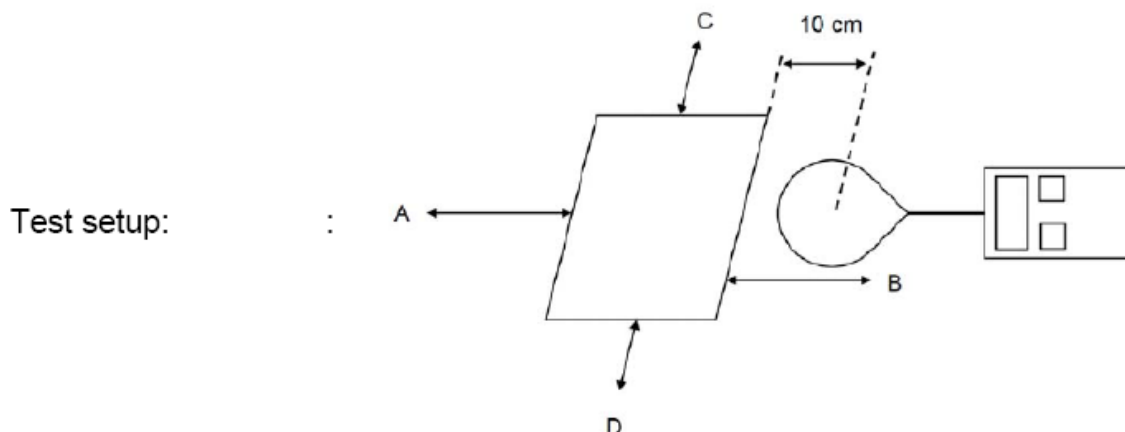
3. 1.Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01v02: RF Exposure Wireless Charging Apps v02.

4. TEST RESULT

4.1. Conducted Emission at the Mains Terminals Test

Test Setup



Test Procedure:

- The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- The measurement probe was placed at test distance (10cm) which is between the edge of the charger and the geometric centre of probe.
- The turn table was rotated 360d degree to search of highest strength.
- The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- The EUT were measured according to the dictates of KDB 680106D01v02.

4.2. Equipment Approval Considerations:

The EUT does comply with item 5.2 of KDB 680106 D01v02

a) Power transfer frequency is less than 1MHz

Yes; the device operate in the frequency range from 110 KHz to 205 KHz

b)Output power from each primary coil is less than 5 watts

Yes; the maximum output power of the primary coil is 4.9W<5W.

c) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that able to detect and allow coupling onlybetween individual pair of coils.

Yes; the transfer system includes only single primary and secondary coils.

d) Client device is inserted in or placed directly in contact with the transmitter.

Yes; Client device is placed directly in contact with the transmitter.

e) The maximum coupling surface area of the transmit (charging) device:

Yes; The EUT coupling surface area was 86.25 cm²(Dimensions: 11.5 cm x7.5 cm)L x W

f) Aggregate leakage fields at 10cm surrounding the device from all simultaneous transmitting coilsare demonstrated to be less than 30% of the MPE limit.

Yes; The EUT field strength levels are 30% x MPE limit.

4.3. E and H field Strength

E-Filed Strength at 10 cm from the edges surrounding the EUT (V/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | Limits Test (V/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.110-0.205 | 0.91 | 1.02 | 0.61 | 0.69 | 1.01 | 1.31 | 614 |
| | | | | | | | |

E-Filed Strength at 10 cm from the edges surrounding the EUT (A/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | Limits Test (V/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.110-0.205 | 0.19 | 0.24 | 0.21 | 0.31 | 0.33 | 0.28 | 1.63 |
| | | | | | | | |

5. PHOTOGRAPHS OF TEST SET-UP

