



RF EXPOSURE REPORT

For

FCC ID: 2APPA-WK02

| | |
|-----------------------------|---|
| Product Name: | Wireless charger |
| Trademark: | N/A |
| Model Number: | WK02 WK03, WK04, WK05, WK06, WK07, WK08, WK09, WK10, WK11, WK12 |
| Prepared For : Address : | SHENZHEN WANKE ELECTRONIC TECHNOLOGY CO.,LTD 3 FLOOR, DEHE BUILDING, HONGXING WEST IND, SONGGANG STREET, BAOAN DISTRICT, SHENZHEN , CHINA |
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| Test Date: | Apr. 17 - Apr. 24, 2018 |
| Date of Report : | Apr. 24, 2018 |
| Report No.: | BCTC-FY180401998-1E |



TEST RESULT CERTIFICATION

Applicant's name : **SHENZHEN WANKE ELECTRONIC TECHNOLOGY CO.,LTD**
Address : 3 FLOOR, DEHE BUILDING, HONGXING WEST IND, SONGGANG STREET, BAOAN DISTRICT, SHENZHEN, CHINA
Manufacture's Name..... : **SHENZHEN WANKE ELECTRONIC TECHNOLOGY CO.,LTD**
Address : 3 FLOOR, DEHE BUILDING, HONGXING WEST IND, SONGGANG STREET, BAOAN DISTRICT, SHENZHEN , CHINA

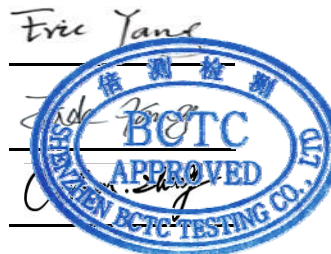
Product description

Product name : **Wireless charger**
Trademark : **N/A**
Model and/or type reference : **WK02**
Serial Model : **WK03, WK04, WK05, WK06, WK07, WK08, WK09, WK10, WK11, WK12**
Power Supply : Input: DC 5V 2A
Output: 5W
Model Difference : All the model are the same circuit and RF module, except model names and color.

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

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. This report shall not be reproduced except in full, without the written approval of BCTC, this document may be altered or revised by BCTC, personal only, and shall be noted in the revision of the document.

Prepared by(Engineer): Eric Yang
Reviewer(Supervisor): Jade Yang
Approved(Manager): Carson Zhang





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1. GENERAL INFORMATION

1.1. Independent Operation Mode

The basic operation mode is:

1.1.1. Charging

1.2. Test Supporting System

Adapter

Description : Adapter

Model No. : BCTC-001

Power Input : AC 100-240V~50/60Hz 0.2A

Output: 5V \equiv 3A, 9V \equiv 2A

USB Line : Unshielded, Detachable 0.3m

Mobile phone

Model No. : OPPO R9

Battery model: BLP609



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. 08,17 | Aug. 07,19 |
| Magnetic field probe 100cm2 | Narda | B-Field Probe 100cm2 | M0675 | Aug. 08,17 | Aug. 07,19 |
| 843 Chamber | ETS | 843 | 84301 | Aug. 27,17 | Aug. 26,19 |

3. METHOD OF MEASUREMENT

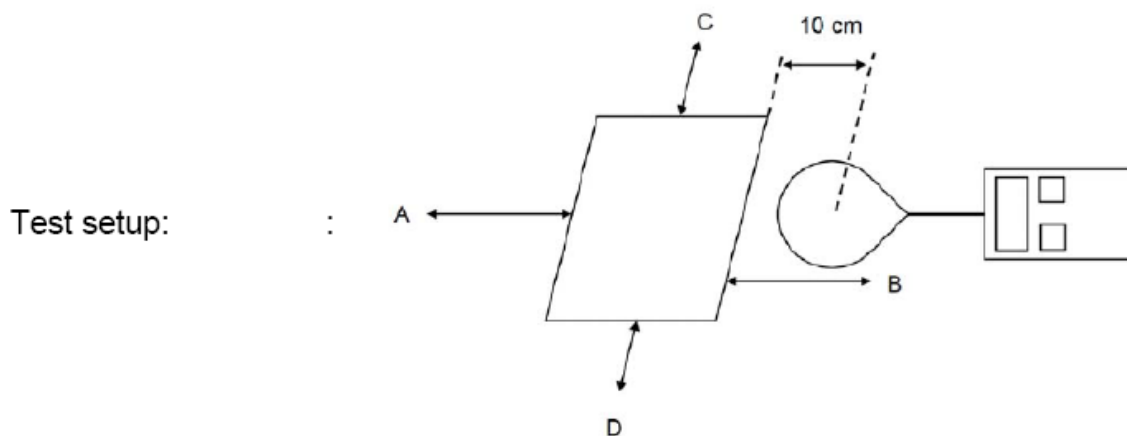
3. 1.Applicable Standard

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.

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 90.25cm²(Dimensions: 9.5cm x9.5cm)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 | 0.79 | 0.85 | 0.94 | 0.95 | 1.01 | 1.02 | 614 |

H-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 (A/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.110-0.205 | 0.11 | 0.14 | 0.13 | 0.12 | 0.19 | 0.20 | 1.63 |

5. Photographs of test set-up

