

RF EXPOSURE REPORT  
For

Shenzhen Weiming Technology Co., Ltd.

Wireless Charging Transmitter

Model No.: M200

|                                |   |   |
|--------------------------------|---|---|
| Prepared for                   | : | Shenzhen Weiming Technology Co., Ltd.   |
| Address                        | : | 2502, Block B, Southern International Plaza, 3013 Yitian Road, Futian District, Shenzhen 518048, China  |
| Prepared by                    | : | Shenzhen LCS Compliance Testing Laboratory Ltd.   |
| Address                        | : | 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China |
| Date of receipt of test sample | : | February 19, 2014   |
| Number of tested samples       | : | 1   |
| Serial number                  | : | Prototype   |
| Date of Test                   | : | February 19, 2014 - March 10, 2014  |
| Date of Report                 | : | March 10, 2014  |

**RF EXPOSURE REPORT**  
**FCC CFR 47 PART 1, 1.1310**

**Report Reference No. .... : LCS140225371TF**

Date Of Issue ..... : March 10, 2014

**Testing Laboratory Name ..... : Shenzhen LCS Compliance Testing Laboratory Ltd.**

Address ..... : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Testing Location/ Procedure ..... : Full application of Harmonised standards

Partial application of Harmonised standards

Other standard testing method

**Applicant's Name ..... : Shenzhen Weiming Technology Co., Ltd.**

Address ..... : 2502, Block B, Southern International Plaza, 3013 Yitian Road, Futian District, Shenzhen 518048, China

**Test Specification**

Standard ..... : FCC CFR 47 PART 1, 1.1310

Test Report Form No. ..... : LCSEMC-1.0

TRF Originator ..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF ..... : Dated 2011-03

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**Test Item Description ..... : Wireless Charging Transmitter**

Trade Mark ..... : Weiming

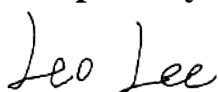
Model/ Type Reference ..... : M200

Ratings ..... : Input DC 5V, 2.0A Max.

Rated Power:  $\leq 5W$

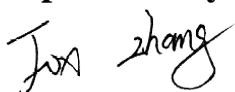
**Result ..... : Positive**

**Compiled by:**



Leo Lee/ File administrators

**Supervised by:**



Fox Zhang/ Technique principal

**Approved by:**



Gavin Liang/ Manager

# RF EXPOSURE REPORT

|   |  |
|---|--|
| <b>Test Report No. : LCS140225371TF</b> | <u>March 10, 2014</u><br>Date of issue |
|---|--|

Type/ Model..... : M200

EUT..... : Wireless Charging Transmitter

**Applicant..... : Shenzhen Weiming Technology Co., Ltd.**

Address..... : 2502, Block B, Southern International Plaza, 3013 Yitian  
Road, Futian District, Shenzhen 518048, China

Telephone..... : /

Fax..... : /

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Address..... : 2502, Block B, Southern International Plaza, 3013 Yitian  
Road, Futian District, Shenzhen 518048, China

Telephone..... : /

Fax..... : /

**Factory..... : Shenzhen Weiming Technology Co., Ltd.**

Address..... : 2502, Block B, Southern International Plaza, 3013 Yitian  
Road, Futian District, Shenzhen 518048, China

Telephone..... : /

Fax..... : /

|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Positive</b> |
|--------------------|-----------------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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## 1. SUMMARY OF STANDARDS AND RESULTS

### 1.1. Description of Standards and Results

This device is designed for typical desktop applications, the EUT have been tested according to the applicable standards as referenced below.

| MAXIMUM PERMISSIBLE EXPOSURE |  |         |
|------------------------------|--|---------|
| Description of Test Item     | Standard                                     | Results |
| E-Field Strength at 10cm     | FCC CFR 47 part1, 1.1310<br>KDB680106 D01v02 | PASS    |
| H-Field Strength at 10cm     |  | PASS    |

### 1.2. Description of Test Modes

| Test Modes:  |   |        |
|--|---|--------|
| Mode 1   | AC/DC Adapter + EUT + Qi Mobile Phone(Battery Status: <1%)  | Record |
| Mode 2   | AC/DC Adapter + EUT + Qi Mobile Phone(Battery Status: <50%) | Record |
| Mode 3   | AC/DC Adapter + EUT + Qi Mobile Phone(Battery Status: 100%) | Record |
| <i>Note: All test modes were tested and recorded in this report.</i> |   |        |

## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

EUT : Wireless Charging Transmitter  
Model Number : M200  
Power Supply : Input DC 5V, 2.0A Max.  
                  Rated Power: ≤ 5W  
Frequency Band : 110KHz~205KHz  
Antenna Type : Inductive loop Coil antenna

### 2.2. Support Equipment List

| Manufacturer   | Description     | Model    | Serial Number | Certificate |
|--|-----------------|----------|---------------|-------------|
| NOKIA  | Qi Mobile Phone | N920     | N/A           | DOC         |
| SHENZHEN JIYIN SCIENCE & TECHNOLOGY DEVELOPMENT CO LTD | ADAPTOR         | JY-05200 | N/A           | VOC         |

### 2.3. External I/O Port

| I/O Port Description | Quantity | Cable |
|----------------------|----------|-------|
| USB                  | 1        | N/A   |

### 2.4. Description of Test Facility

#### Site Description

EMC Lab. : Accredited by CNAS, June 04, 2010  
The Certificate Registration Number. is L4595.  
  
Accredited by FCC, July 14, 2011  
The Certificate Registration Number. is 899208.  
  
Accredited by Industry Canada, May. 02, 2011  
The Certificate Registration Number. is 9642A-1  
  
Accredited by VCCI, Japan January 30, 2012  
The Certificate Registration Number. is C-4260 and R-380

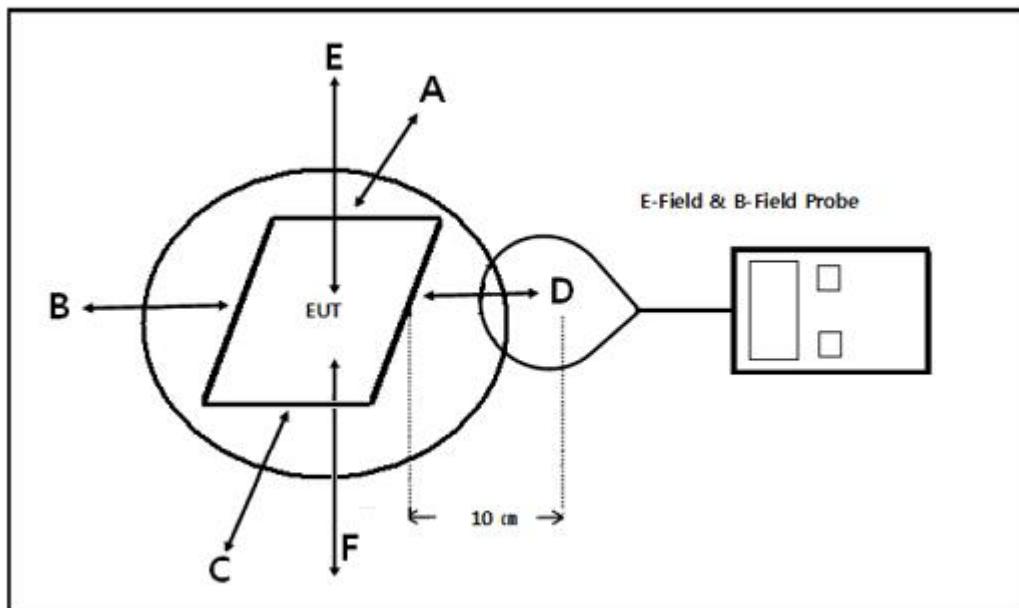
### 3. RF EXPOSURE EVALUATION

#### 3.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

| Item | Equipment             | Manufacturer | Model No. | Last Cal.  | Due. Date  |
|------|-----------------------|--------------|-----------|------------|------------|
| 1    | Broadband Field Meter | Narda        | NBM-550   | 2013/06/18 | 2014/06/17 |
| 2    | Exposure Level Tester | Narda        | ELT-400   | 2013/06/18 | 2014/06/17 |

#### 3.2. Block Diagram of Test Setup



\*Note:

- Position A: Back Side of the EUT&AUX(Qi Mobile Phone)
- Position B: Left Side of the EUT&AUX(Qi Mobile Phone)
- Position C: Front Side of the EUT&AUX(Qi Mobile Phone)
- Position D: Right Side of the EUT&AUX(Qi Mobile Phone)
- Position E: Top Side of the EUT&AUX(Qi Mobile Phone)
- Position F: Bottom Side of the EUT&AUX(Qi Mobile Phone)

### 3.3. Radio frequency radiation exposure limits

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

**Table 1 Limits for Maximum Permissible Exposure (MPE)**

| Frequency range (MHz)  | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 0.3-3.0  | 614                           | 1.63                          | *(100)                              | 6                        |
| 3.0-30   | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | 6                        |
| 30-300   | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300-1500   | /                             | /                             | f/300                               | 6                        |
| 1500-100,000   | /                             | /                             | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 0.3-1.34   | 614                           | 1.63                          | *(100)                              | 30                       |
| 1.34-30  | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | 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

\* = Plane-wave equivalent power density

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

### 3.4. Test Results

#### **E-field Strength Test Result:**

Test condition: Charging mode with Qi Mobile Phone(less than 1% battery status)

| Frequency Range(KHz) | Probe Position A (V/m) | Probe Position B (V/m) | Probe Position C (V/m) | Probe Position D (V/m) | Probe Position E (V/m) | Probe Position F (V/m) | Limit (V/m) |
|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------|
| 110~205              | 6.24                   | 6.21                   | 6.09                   | 6.79                   | 7.21                   | 6.51                   | 614.00      |

Test condition: Charging mode with Qi Mobile Phone(less than 50% battery status)

| Frequency Range(KHz) | Probe Position A (V/m) | Probe Position B (V/m) | Probe Position C (V/m) | Probe Position D (V/m) | Probe Position E (V/m) | Probe Position F (V/m) | Limit (V/m) |
|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------|
| 110~205              | 6.13                   | 6.17                   | 5.68                   | 5.70                   | 7.13                   | 6.33                   | 614.00      |

Test condition: Charging mode with Qi Mobile Phone(100% battery status)

| Frequency Range(KHz) | Probe Position A (V/m) | Probe Position B (V/m) | Probe Position C (V/m) | Probe Position D (V/m) | Probe Position E (V/m) | Probe Position F (V/m) | Limit (V/m) |
|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------|
| 110~205              | 5.48                   | 5.41                   | 5.77                   | 5.61                   | 6.91                   | 6.14                   | 614.00      |

**H-field Strength Test Result:**

Test condition: Charging mode with Qi Mobile Phone(less than 1% battery status)

| Frequency Range(KHz) | Probe Position A (A/m) | Probe Position B (A/m) | Probe Position C (A/m) | Probe Position D (A/m) | Probe Position E (A/m) | Probe Position F (V/m) | Limit (A/m) |
|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------|
| 110~205              | 0.03                   | 0.03                   | 0.03                   | 0.04                   | 0.06                   | 0.05                   | 1.63        |

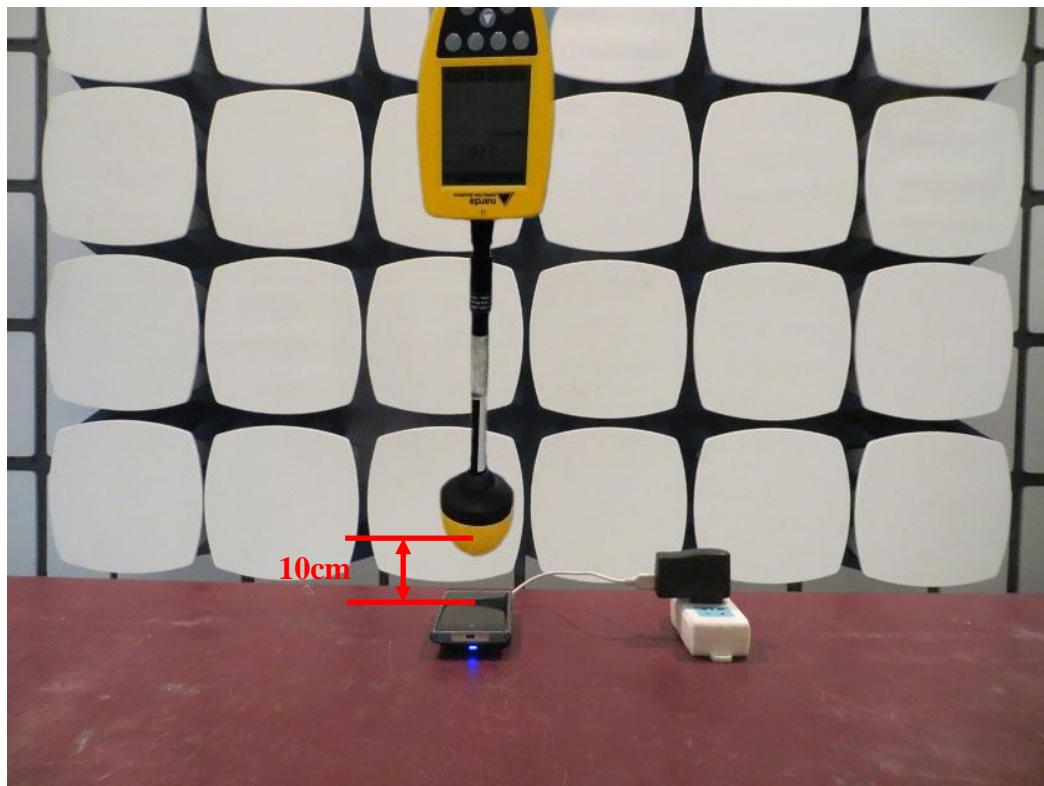
Test condition: Charging mode with Qi Mobile Phone(less than 50% battery status)

| Frequency Range(KHz) | Probe Position A (A/m) | Probe Position B (A/m) | Probe Position C (A/m) | Probe Position D (A/m) | Probe Position E (A/m) | Probe Position F (V/m) | Limit (A/m) |
|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------|
| 110~205              | 0.03                   | 0.02                   | 0.03                   | 0.03                   | 0.05                   | 0.04                   | 1.63        |

Test condition: Charging mode with Qi Mobile Phone(100% battery status)

| Frequency Range(KHz) | Probe Position A (A/m) | Probe Position B (A/m) | Probe Position C (A/m) | Probe Position D (A/m) | Probe Position E (A/m) | Probe Position F (V/m) | Limit (A/m) |
|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------|
| 110~205              | 0.02                   | 0.03                   | 0.02                   | 0.03                   | 0.04                   | 0.03                   | 1.63        |

### 3.5. Photographs Of Test Setup(Worst Position E)



#### 4. MANUFACTURER/ APPROVAL HOLDER DECLARATION

The following Series model(s):

|    |    |    |    |
|----|----|----|----|
| -- | -- | -- | -- |
|----|----|----|----|

Belong to the tested device:

Product description : Wireless Charging Transmitter

Model name : M200

Remark: No additional models were tested.

-----THE END OF REPORT-----