

RF Exposure Report

Report No.: AGC00737180729FE01

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION: Wireless Charger Car Mount

BRAND NAME : MPOW

MODEL NAME : CA099A

CLIENT : MPOW TECHNOLOGY CO., LIMITED

DATE OF ISSUE : Jul. 31, 2018

STANDARD(S) : KDB 680106 D01 RF Exposure Wireless Charging Base

App v03

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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REPORT REVISE RECORD

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|----------------|-------------|---------------|---------------|-----------------|
| V1.0 | TO W | Jul. 31, 2018 | Valid | Initial Release |

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1. VERIFICATION OF CONFORMITY

| Applicant | MPOW TECHNOLOGY CO., LIMITED |
|---|--|
| Address | RM 603, 6/F, HANG PONT COMM BLDG 31 TONKIN ST, CHEUNG SHA WAN KL, HK,CHINA |
| Manufacturer | MPOW TECHNOLOGY CO., LIMITED |
| Address | RM 603, 6/F, HANG PONT COMM BLDG 31 TONKIN ST, CHEUNG SHA WAN KL, HK,CHINA |
| Product Designation | Wireless Charger Car Mount |
| Brand Name | MPOW |
| Test Model | CA099A |
| Date of test | Jul. 25, 2018 to Jul. 31, 2018 |
| Deviation | None |
| Condition of Test Sample | Normal |
| Test Result | Pass A Same Communication of the Communication of t |
| 117 * A A A A A A A A A A A A A A A A A A | |

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in KDB 680106 D01.

The results of testing in this report apply to the product/system which was tested only.

Tested By

Steven Zhou (Zhou Pengyun)

Steven Zhou (Zhou Pengyun)

Jul. 31, 2018

Bart Xie (Xie Xiaobin)

Jul. 31, 2018

Forrest Lei (Lei Yonggang)

Authorized Officer

Jul. 31, 2018

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

| 7 (major tooninoar accomption of 20 | The decembed de felletting |
|-------------------------------------|---|
| Operation Frequency | 146.4KHz |
| Maximum field strength | 53.55dBuV/m(Peak)@3m |
| Number of channels | 1. E |
| Antenna Designation | Integrated Antenna (Met 15.203 Antenna requirement) |
| Hardware Version | CA099A_V0.2 |
| Software Version | V1.0 |
| Power Supply | DC5V |

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3. DESCRIPTION OF TEST MODES

| NO. | | TEST MODE DESCRIPTION | | |
|--------|---|-----------------------------------|-----------|---------------------|
| 1 july | THE MARKET OF THE PARTY OF THE | Wireless charging Mode(Full load) | CO " | 100 |
| 2 | O SE STORY COURT | Wireless charging Mode(half load) | | 極調 |
| 3 | 1 10 | Wireless charging Mode(Null load) | 是 illance | O The Street County |

4. SYSTEM TEST CONFIGURATION

| Item | Equipment Model No. | | ID or Specification | Remark | |
|------------------|-----------------------------|--|---------------------|---------|--|
| 1 _C C | Wireless Charger | PWC10 | 2AMH2-CA099A | EUT | |
| 2 | Wireless electronic Load | THE STATE OF THE S | Maximum power 10W | Support | |

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5. TEST FACILITY

| Test Site | Attestation of Global Compliance (Shenzhen) Co., Ltd |
|-----------------------------------|--|
| Location | 1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012 |
| NVLAP LAB CODE | 600153-0 |
| Designation Number | CN5028 |
| FCC Test Firm Registration Number | 682566 |
| Description | Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0 |

TEST EQUIPMENT LIST

| Description | Manufacturer | Model | S/N | Cal. Date | Cal. Due |
|--------------------------|-------------------------------------|---------|--------|--------------|--------------|
| Broadband Field Meter | Narda Safety Test Solutions GmbH | NBM-550 | J-0004 | Jun.12, 2018 | Jun.11, 2019 |
| Probe FHP | Narda Safety Test Solutions GmbH | EHP-50F | J-0015 | Jun.12, 2018 | Jun.11, 2019 |

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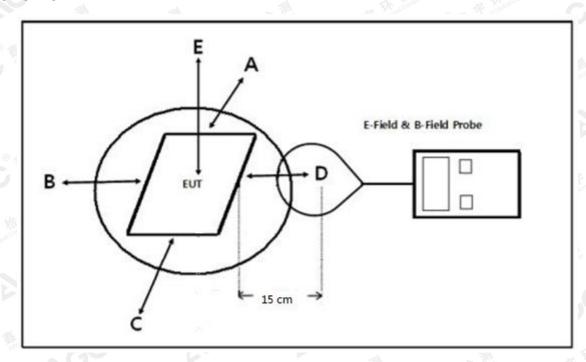


6. RADIO FREQUENCY (RF) EXPOSURE TEST

6.1. LIMITS

For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m.

6.2. TEST SETUP



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(15 cm measure distance);

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6.3. TEST PROCEDURE

The EUT was placed on a non-conductive table top and the ancillary equipment (e.g. mobile phone) was placed on the EUT for charging.

Maximum E-field and H-field measurements were tested 15cm from each side of the EUT. For top side the measure distance is 15cm.

Along the side of the EUT to center of E-field probe and H-field probe were positioned at the location to search maximum field strength.

6.4. TEST RESULT

Test condition: Mode 1

E-field strength test result:

| Frequency | Probe | Probe | Probe | Probe | Probe | Limit |
|-----------|------------|------------|------------|------------|------------|-------|
| Range | Position A | Position B | Position C | Position D | Position E | (V/m) |
| | (V/m) | (V/m) | (V/m) | (V/m) | (V/m) | |
| 146.4kHz | 0.12 | 0.89 | 0.12 | 0.12 | 0.12 | 614 |

H-field strength test result:

| Frequency | Probe | Probe | Probe | Probe | Probe | Limit |
|-----------|------------|------------|------------|------------|------------|-------|
| Range | Position A | Position B | Position C | Position D | Position E | (A/m) |
| | (A/m) | (A/m) | (A/m) | (A/m) | (A/m) | |
| 146.4kHz | 0.13 | 0.59 | 0.13 | 0.13 | 0.13 | 1.63 |

Test condition: Mode 2
E-field strength test result:

| Frequency | Probe | Probe | Probe | Probe | Probe | Limit |
|-----------|------------|------------|------------|------------|------------|-------|
| Range | Position A | Position B | Position C | Position D | Position E | (V/m) |
| | (V/m) | (V/m) | (V/m) | (V/m) | (V/m) | |
| 146.4kHz | 0.13 | 0.78 | 0.13 | 0.13 | 0.13 | 614 |

H-field strength test result:

| Frequency | Probe | Probe | Probe | Probe | Probe | Limit |
|-----------|------------|------------|------------|------------|------------|-------|
| Range | Position A | Position B | Position C | Position D | Position E | (A/m) |
| | (A/m) | (A/m) | (A/m) | (A/m) | (A/m) | |
| 146.4kHz | 0.13 | 0.41 | 0.14 | 0.14 | 0.14 | 1.63 |

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Test condition: Mode 3 E-field strength test result:

| Frequency | Probe | Probe | Probe | Probe | Probe | Limit |
|-----------|------------|------------|------------|------------|------------|-------|
| Range | Position A | Position B | Position C | Position D | Position E | (V/m) |
| | (V/m) | (V/m) | (V/m) | (V/m) | (V/m) | |
| 146.4kHz | 0.08 | 0.45 | 0.08 | 0.08 | 0.08 | 614 |

H-field strength test result:

| Frequency | Probe | Probe | Probe | Probe | Probe | Limit |
|-----------|------------|------------|------------|------------|------------|-------|
| Range | Position A | Position B | Position C | Position D | Position E | (A/m) |
| | (A/m) | (A/m) | (A/m) | (A/m) | (A/m) | |
| 146.4kHz | 0.12 | 0.21 | 0.12 | 0.12 | 0.12 | 1.63 |

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Position E



Position A



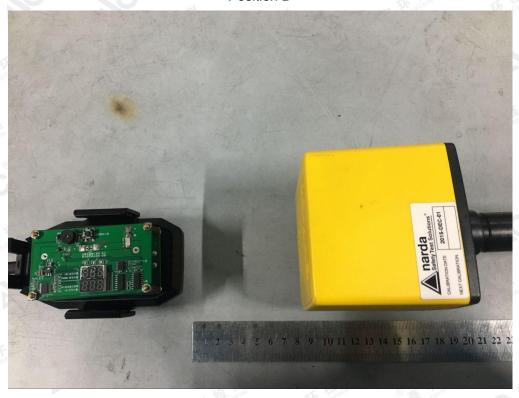
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Position B



Position C



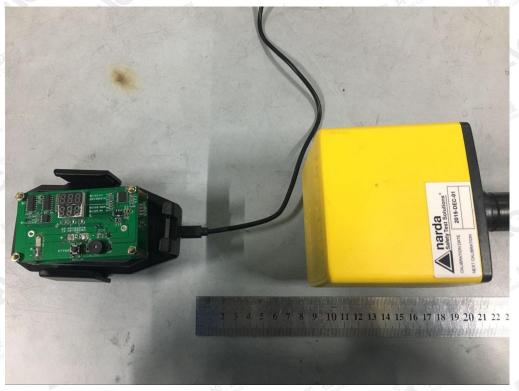
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Position D



----END OF REPORT----

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