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FCC TEST REPORT

Client Name : Shenzhen USV Technology Co.,Ltd

4th to the south, building B20, Hengfeng Industrial

Address : City, Hangchen, Bao'an District, Shenzhen City,

Guangdong Province, China

Product Name : Fast Wireless Charging

Date : Mar. 16, 2021





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TEST REPORT

Applicant : Shenzhen USV Technology Co.,Ltd

Manufacturer : Shenzhen USV Technology Co.,Ltd

Product Name : Fast Wireless Charging

Model No. : A7

Trade Mark : N.A.

Rating(s) . Input: DC 5V/2A, DC 9V/2A, DC 12V/1.5A Wireless output: 5W, 7.5W, 10W, 15W

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Test Standard(s) : FCC Part 1.1310, 1.1307(b)

Test Method(s) : KDB680106 D01 RF Exposure Wireless Charging Apps v03

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 1.1307 & KDB680106 D01 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

| Date of Receipt | Feb. 27, 2021 |
|-----------------------------------|---------------------------|
| Date of Test | Feb. 27~Mar. 10, 2021 |
| | Ella Liang |
| Prepared By | Anbotek Anbotek And |
| And otek Anbotek Anbo ak botek Ar | (Engineer /Ella Liang) |
| | tibs thong |
| Reviewer | And Lek Cortek Andor An |
| or Anbotek Anbotek Anbotek | (Supervisor / Bibo Zhang) |
| | King Kong Jin |
| Approved & Authorized Signer | the Jack Ambor All stek |
| Anbotek Anbotek Anbotek | (Manager / Kingkong Jin) |

Shenzhen Anbotek Compliance Laboratory Limited





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1. General Information

1.1. Client Information

| Applicant | : Shenzhen USV Technology Co.,Ltd |
|--------------|-------------------------------------------------------------------------------------------------------------------------------|
| Address | 4th to the south, building B20, Hengfeng Industrial City, Hangchen, Bao'an District, Shenzhen City, Guangdong Province, China |
| Manufacturer | : Shenzhen USV Technology Co.,Ltd |
| Address | 4th to the south, building B20, Hengfeng Industrial City, Hangchen, Bao'an District, Shenzhen City, Guangdong Province, China |
| Factory | : Shenzhen USV Technology Co.,Ltd |
| Address | 4th to the south, building B20, Hengfeng Industrial City, Hangchen, Bao'an District, Shenzhen City, Guangdong Province, China |

1.2. Description of Device (EUT)

| Product Name | : | Fast Wireless Charging | Anbotek Anbotek Anbotek Anbote |
|----------------------|---|-------------------------------|----------------------------------|
| Model No. | : | A7 | Anbotes Anbotek Anbotek Ant |
| Trade Mark | : | N.A. | tek Anbotek Anbotek Anbote |
| Test Power Supply | : | AC 120V, 60Hz for adapter | pote, Vupotek Vupotek Vupotek |
| Test Sample No. | : | 1-2-1(Normal Sample), 1-2-2(I | Engineering Sample) |
| e | | Operation Frequency: | 110.1-205KHz |
| a . | | Modulation Type: | FSK |
| Product Description | : | Antenna Type: | Inductive loop coil Antenna |
| | | Antenna Gain(Peak): | 0 dBi |
| 3 | | Adapter: | N/A otea Anborek Anborek Anborek |

Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

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1.3. Auxiliary Equipment Used During Test

| P | Adapter | : | M/N: A2013 Input: AC 100-240V, 0.7A, 50-60Hz Output: 3.6-5.5V=3A/ 6.5-9V=2A/ 9-12V=1.5A |
|----|-------------------|---|-----------------------------------------------------------------------------------------------|
| | Wireless charging | : | Manufacturer: Gopod Group Holding Limited. |
| V | load | | M/N: DTE324EM |
| _ | | | Power: 5W/7.5W/10W/15W |
|), | | | Last Cal.: Oct. 30, 2020 |
| N | | | Cal. Interval: 1 Year |

1.4. Test Equipment List

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|-------|----------------------|--------------|-----------|------------|---------------|---------------|
| otel. | Magnetic field meter | NARDA | ELT-400 | 423623 | Dec. 24, 2018 | 3 Year |
| 2 | E-Field Probe | Narda | EF0391 | Q15221 | Nov.17, 2020 | 3 Year |
| 3 | H-Field Probe | Narda | HF3061 | Q15835 | Nov.17, 2020 | 3 Year |

1.5. Measurement Uncertainty

| Radiation Uncertainty | : | Ur = 3.9 dB (Hor | izontal) | notek Ar | 'potek | Anbore An |
|------------------------|---|-------------------|----------|------------|---------|-----------|
| 2 | | Ur = 3.8 dB (Verl | tical) | -horek | Anbotek | Anbo |
| | | Anbotek | Anboro | Allabotek | Anbotek | Anbo |
| Conduction Uncertainty | : | Uc = 3.4 dB | Anbor | Allandotek | Anbore | -k Anb |



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1.6. Description of Test Facility

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

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed 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. 184111, September 30, 2020.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A, September 30, 2020.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. 518102



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2. Measurement and Result

2.1. Requirements

According to the item 5.b) of KDB 680106 D01v03:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

- 1) Power transfer frequency is less that 1 MHz
- 2) Output power from each primary coil is less than or equal to 15 watts.
- 3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
- Client device is inserted in or placed directly in contact with the transmitter
- 5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)
- 6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Limits For Maximum Permissible Exposure (MPE)

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm²) | Averaging time (minutes) |
|--------------------------|-------------------------------|-------------------------------|---------------------------|--------------------------|
| | (A) Limits for Occ | cupational/Controlled Ex | posures | |
| 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 | 1 | 1 | f/300 | 6 |
| 1500-100,000 | 1 | 1 | 5 | 6 |
| | (B) Limits for Genera | l Population/Uncontrolle | ed Exposure | 0 |
| 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 | I | 1 | f/1500 | 30 |
| 1500-100,000 | 1 | 1 | 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).



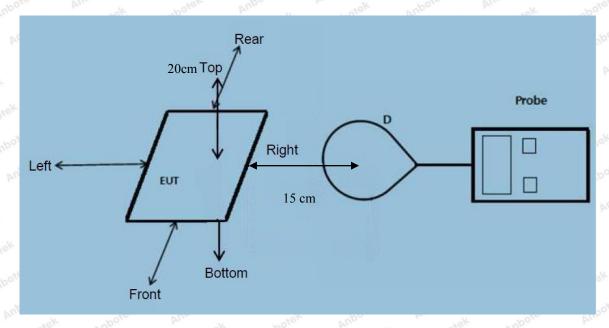


^{*=}Plane-wave equivalent power density



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2.2. Test Setup



Note: Measurements should be made at 15 cm surrounding the EUT and 20cm above the top surface of the EUT.

2.3. Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at required test distance which is between the edge of the charger and the geometric center of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points
- (A, B, C, D, E) were completed. (A is the right, B is the back, C is the left, D is the front, and E is the top.)
- 4) The EUT was measured according to the dictates of KDB 680106 D01 v03. Remark;

The EUT's test position A, B, C, D and E is valid for the E and H field measurements

2.4. Test Result

- 2.4.1. Equipment Approval Considerations item 5.b of KDB 680106 D01 v03.
- 1) Power transfer frequency is less that 1 MHz
- The device operate in the frequency range 110.1-205KHz.
- 2) Output power from each primary coil is less than 15 watts
 - The maximum output power of the primary coil is 15W.

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- 3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
- The transfer system including a charging system with only single primary coils is to detect and allow only between individual pairs of coils.
- 4) Client device is inserted in or placed directly in contact with the transmitter
- Client device is placed directly in contact with the transmitter.
- 5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)
 - The EUT is a Mobile exposure conditions
- 6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.
- Conducted the measurement with the required distance and the test results please refer to the section 2.4.



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2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310

| Temperature: | 23.6°C | Relative Humidity: | 51 % |
|--------------|----------|--------------------|---------------------------|
| Pressure: | 1012 hPa | Test Voltage: | AC 120V, 60Hz for adapter |

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

| Battery power | Frequency Range (KHz) | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (V/m) | Limits Test (V/m) |
|------------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------------|-------------------------|
| 1% | 110.1-205 | 0.37 | 0.45 | 0.42 | 0.40 | 0.39 | 307 | 614 |
| 50% | 110.1-205 | 1.22 | 1.44 | 1.24 | 1.51 ^{bote} | 1.27 | 307 | 614 |
| 99% | 110.1-205 | 2.23 | 2.71 | 2.45 | 2.30 | 2.44 | 307 | 614 |
| Stand-by | 110.1-205 | 0.37 | 0.36 | 0.38 | 0.32 | 0.55 | 307 | 614 |



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H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

| Battery power | Frequency Range (KHz) | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|------------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------------|-------------------------|
| tek anb | stek Aupo | rek bu | potek | Aupoten K | Andwork | Anbotek | Aupo. | k- |
| 1% | 110.1-205 | 0.021 | 0.042 | 0.050 | 0.034 | 0.044 | 0.815 | 1.63 |
| hotek | | Anbore | | Anborer | K Ano | | potek Ant | *ek |
| Ann | Anborek | Aupo | . nbot | ek Aupo | ie. Yu. | worek. | Anbotek | iupo, |
| 50% | 110.1-205 | 0.25 | 0.34 | 0.32 | 0.30 | 0.44 | 0.815 | 1.63 |
| -k Anu | | K Aupo | rek by | abotek | Anbore. | | Anbotek | Anbo |
| e. Viun | hotek Ant | losek by | lpo. | aborek | Anbore | k hot | k Anbote | b. |
| 99% | 110.1-205 | 0.42 | 0.47 | 0.36 | 0.38 | 0.33 | 0.815 | 1.63 |
| Anbotei | | Anbotek | | k who! | ek Anb | | Lotek D | nbotek |
| Aupoten | Ann motek | Anbotek | Aupon | 18/4 N | potek 1 | nbore | run rotek | Anbotek |
| Stand-by | 110.1-205 | 0.17 | 0.13 | 0.18 | 0.22 | 0.10 | 0.815 | 1.63 |
| K Anbo | | stek vo | potek | rupo, | botek. | | Anos | , an |

Note: (1)All the situation(full load, half load and empty load) has been tested, only the worst situation (full load 15W) was recorded in the report.

Code: AB-RF-05-a

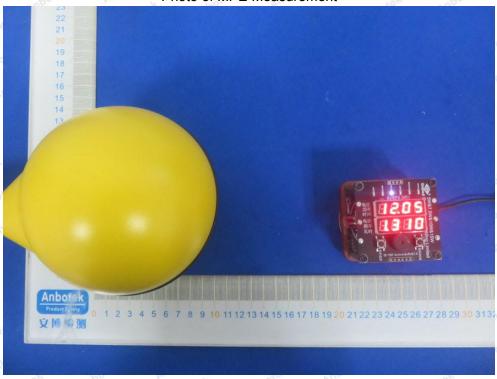
400-003-0500 www.anbotek.com

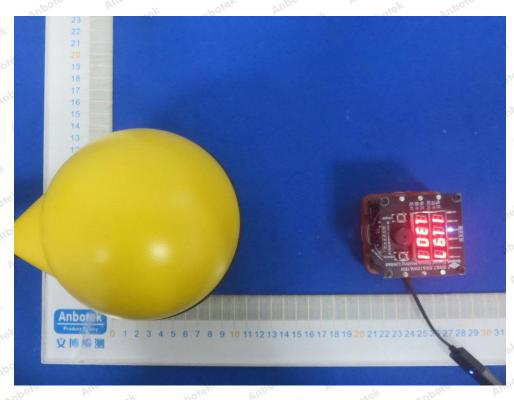


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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement



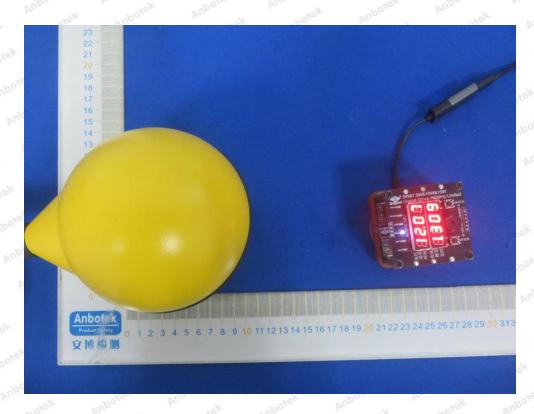


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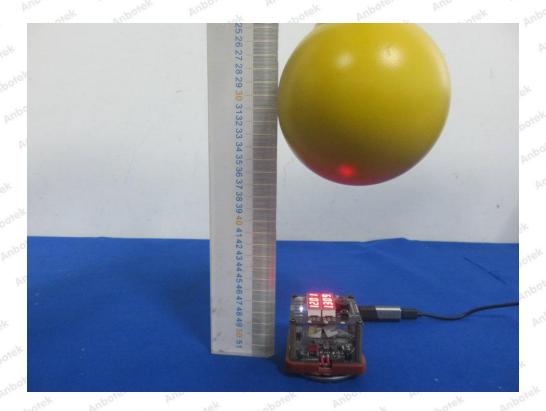




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