

Human Exposure Report

FCC ID: OMO617-148V2

| | | |
|------------------------|---|---|
| Project No. | : | 1909C108A |
| Equipment | : | ALARM CLOCK |
| Brand Name | : | LA CROSSE |
| Test Model | : | 617-148v2 |
| Series Model | : | 617-148xx, 617-148xx-xxx, 617-148xx-xx, 617-148xx-xx-xxx (x can be 0~9 or A~Z or a~z, the difference for different version are the product shell color and packaging upgrade version number, when upgrade a version the number progressed to next number) |
| Applicant | : | La Crosse Technology Ltd. |
| Address | : | 2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States |
| Manufacturer | : | La Crosse Technology Ltd. |
| Address | : | 2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States |
| Factory | : | La Crosse Technology Ltd. |
| Address | : | 2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States |
| Date of Receipt | : | Aug. 05, 2021 |
| Date of Test | : | Aug. 09, 2021 ~ Aug. 10, 2021 |
| Issued Date | : | Sep. 23, 2021 |
| Report Version | : | R01 |
| Test Sample | : | Engineering Sample No.: DG202108055 |
| Standard(s) | : | 47 CFR PART 1, Subpart I, Section 1.1310 KDB680106 D01 RF Exposure Wireless Charging Apps v03 |

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.



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REPORT ISSUED HISTORY

| Report Version | Description | Issued Date |
|----------------|--|---------------|
| R00 | Compared with original report(BTL-FCCP-2-1909C108), 1. Changed the wireless module. 2. Changed the model name. All test items have been re-evaluated and recorded in this report. | Aug. 31, 2021 |
| R01 | Updated the model differences and FCC ID. | Sep. 23, 2021 |

1. GENERAL INFORMATION

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.

BTL's test firm number for FCC: 357015

BTL's designation number for FCC: CN1240

2. TEST RESULTS

2.1 LIMITS

For 47 CFR PART 1, Subpart I, Section 1.1310:

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (A) Limits for Occupational / Controlled Exposures | | | | |
| 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 | / | / | f/300 | 6 |
| 1500-100000 | / | / | 5 | 6 |
| (B) Limits for General Population / Uncontrolled Exposures | | | | |
| 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 | / | / | f/1500 | 30 |
| 1500-100000 | / | / | 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 300kHz in Table 1 of 1.1310 (use the 300kHz limits for 150kHz: 614V/m, 1.63A/m).

For KDB680106 D01:

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. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

2.2 MEASUREMENT DATA

Electric Field Emissions

| Test Position(20cm) | Probe Measure Results (V/m) | Limit (V/m) |
|---------------------|-----------------------------|-------------|
| | intermediate charge | |
| Top | 1.15 | 614 |
| Test Position(15cm) | Probe Measure Results (V/m) | Limit (V/m) |
| | intermediate charge | |
| Front Side | 2.47 | 614 |
| Back Side | 1.22 | 614 |
| Left Side | 2.06 | 614 |
| Right Side | 2.39 | 614 |
| Bottom | 1.23 | 614 |

Note:

The maximum Probe Measure Results of this EUT is 2.77 V/m, less than 307 V/m(614 *50%).

Magnetic Field Emissions

| Test Position(20cm) | Probe Measure Results (A/m) | Limit (A/m) |
|---------------------|-----------------------------|-------------|
| | intermediate charge | |
| Top | 0.031 | 1.63 |
| Test Position(15cm) | Probe Measure Results (A/m) | Limit (A/m) |
| | intermediate charge | |
| Front Side | 0.064 | 1.63 |
| Back Side | 0.031 | 1.63 |
| Left Side | 0.065 | 1.63 |
| Right Side | 0.064 | 1.63 |
| Bottom | 0.023 | 1.63 |

Note:

The maximum Probe Measure Results of this EUT is 0.065 A/m, less than 0.815 V/m(1.63*50%).

Remark: The EUT has the maximum average output power when the support unit is in low power and being charged by EUT.

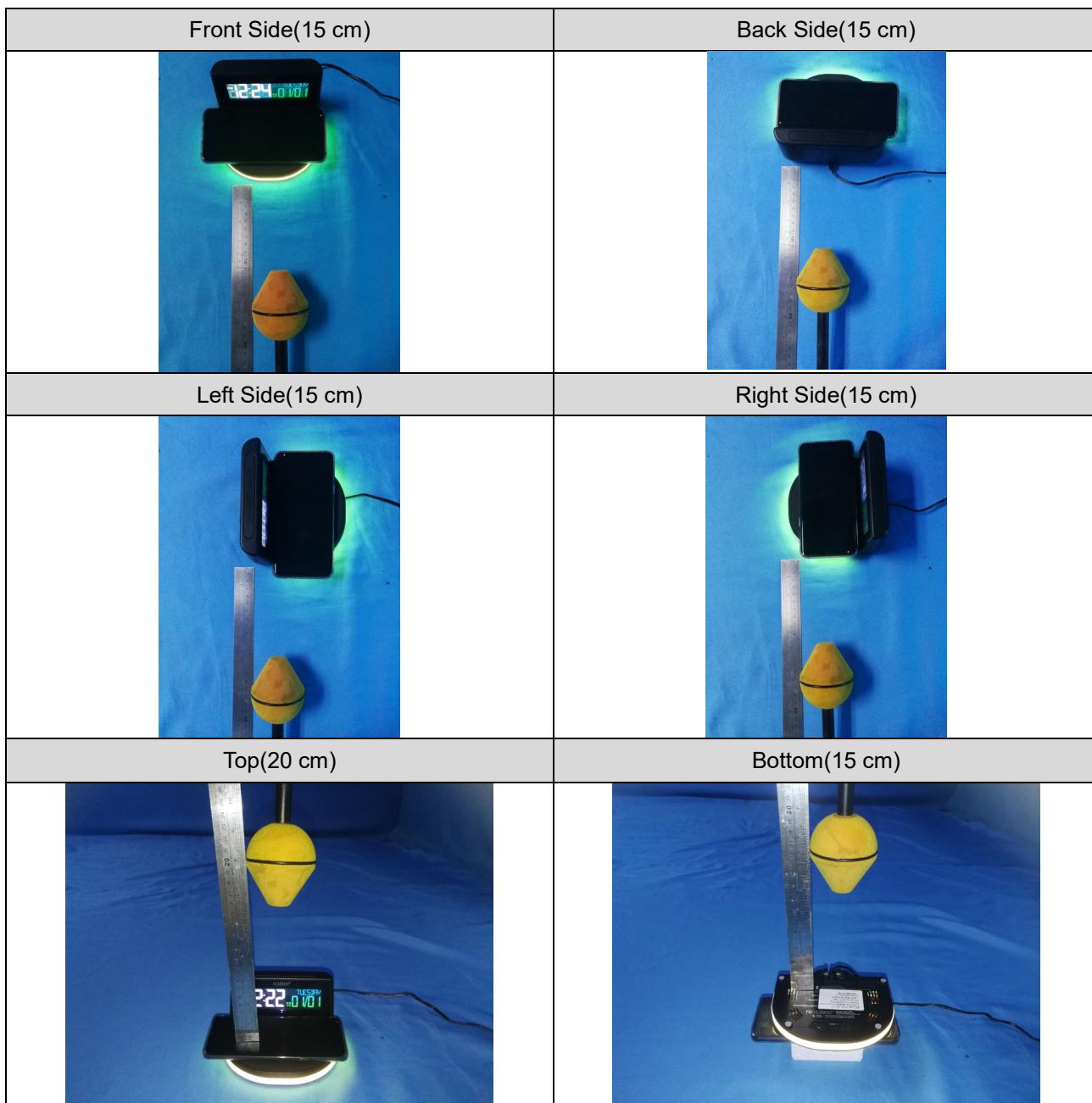
3. MEASUREMENT INSTRUMENTS LIST

| Human Exposure | | | | | |
|----------------|--------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | EM Radiation Meter | N/A | EMR-30 | E-081 | Apr. 15, 2022 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

4. TEST PHOTOS



End of Test Report