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|----------------------------------|---|--|--|--|--|
| | TEST REPOR | Γ | | | |
| FCC ID : | 2BE6N-L200S | | | | |
| Test Report No: | TCT240918E055 | | | | |
| Date of issue: | Oct. 15, 2024 | | | | |
| Testing laboratory:: | SHENZHEN TONGCE TESTING | LAB | | | |
| Testing location/ address: | 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China | | | | |
| Applicant's name:: | GIRAFIT INC | | | | |
| Address: | 21642 GOLDEN POPPY COURT, WALNUT, California 91749, United States | | | | |
| Manufacturer's name: | Dongguan Sharetronic Data Tech | Dongguan Sharetronic Data Technology Co., Ltd. | | | |
| Address: | Yinhe Industrial Area, Qingxi Town, Dongguan City, Guangdong Province, P.R.China | | | | |
| Standard(s): | FCC CFR Title 47 Part 1.1307 | | | | |
| Product Name:: | L200S Light Bulb Cam | | | | |
| Trade Mark: | N/A | | | | |
| Model/Type reference : | GRF-L200SW, GRF-L200S, L200 | 0S, L200SW | | | |
| Rating(s): | AC 120V/60Hz | | | | |
| Date of receipt of test item | Sep. 18, 2024 | | | | |
| Date (s) of performance of test: | Sep. 18, 2024 ~ Oct. 15, 2024 | | | | |
| Tested by (+signature) : | Aaron MO | Aaron Knogce To | | | |
| Check by (+signature) : | Beryl ZHAO | Boy 2 TCT | | | |
| Approved by (+signature): | Tomsin | Tomsin's st | | | |

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1. General Product Information

1.1. EUT description

| Product Name: | L200S Light Bulb Cam | (\mathbf{c}^{\prime}) |
|-----------------------|--|-------------------------|
| Model/Type reference: | GRF-L200SW | |
| Sample Number: | TCT240918E008-0101 | |
| Operation Frequency: | For BLE: 2402MHz~2480MHz For 2.4G WIFI: (802.11b/802.11g/802.11n(HT20)/802.11ax(HE20)) (802.11n(HT40)/802.11ax(HE40)) For 5G WIFI: Band 1: 5180MHz~5240MHz Band 2A: 5260MHz~5320MHz Band 3: 5745MHz~5825MHz For 2.4G WIFI: 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n/802.11ax: Orthogonal Frequency Division Multiplexing(OFDM) | |
| Antenna Type: | For 5G WIFI: 256QAM, 64QAM, 16QAM, BPSK, QPSK FPC Antenna | |
| Antenna Gain: | For BLE: 1.69dBi For 2.4G WIFI: 1.69dBi For 5G WIFI: Band 1: 0.89dBi Band 2A: 1.44dBi Band 3: 1.15dBi | |
| Rating(s): | AC 120V/60Hz | |

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

| $\boxtimes \bigotimes$ | | | | | |
|---|--|--|--|--|--|
| | | | | | |
| Note: GRF-L200SW is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names and color. So the test data of GRF-L200SW can represent the remaining models. | | | | | |
| | | | | | |

2. General Information

2.1. Test environment and mode

| ltem | Normal condition | | | |
|--------------------------|------------------|-------------------------|-----------------------|-----|
| Temperature | | +25°C | | |
| Voltage | | AC 120V | | |
| Humidity | | 56% | | |
| Atmospheric Pressure: | | 1008 mbar | | (C |
| Test Mode: | | | | |
| Transmitting Mode: | Keep the EU | T in continuous transmi | tting by select chanr | nel |
| | | | | |

2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| 1 | | | 1 | 1 |
| Mater | | | | |

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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3. Facilities and Accreditations

3.1. Facilities

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

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC Registration No.: 10668A
- SHENZHEN TONGCE TESTING LAB
- CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339





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Test Results and Measurement Data 4.

According to §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Remark: 1) For BLE: The maximum output power for antenna is 3.36dBm (2.17mW) at 2402MHz, 1.69dBi antenna gain(with 1.48 numeric antenna gain.) For 2.4G WIFI: The maximum output power for antenna is 16.66dBm (46.34mW) at 2412MHz, 1.69dBi antenna gain(with 1.48 numeric antenna gain.) **For 5G WIFI:** The maximum output power for antenna is 15.39dBm(34.59mW) at 5240MHz, 0.89dBi antenna gain(with 1.23 numeric antenna gain.)

2) For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20cm, even if the calculation indicate that the MPE distance would be lesser.

Calculation

E =

Given

 $\sqrt{30 \times P \times G}$ · & S = d Where E = Field Strength in Volts / meter P = Power in Watts G=Numeric antenna gain d=Distance in meters S=Power Density in milliwatts / square centimeter

Substituting the MPE safe distance using d=20cm into above equation. S=0.000199*P*G Yields:

| Mode | Power (dBm) | Power (mW) | numeric antenna gain | Power density (mW/cm ²) | Limit (mW/cm²) | Result |
|-----------|----------------|---------------|----------------------------|---|-------------------|--------|
| BLE | 3.36 | 2.17 | 1.48 | 0.000639 | 1.00 | |
| 2.4G WIFI | 16.66 | 46.34 | 1.48 | 0.013648 | 1.00 | PASS |
| 5G WIFI | 15.39 | 34.59 | 1.23 | 0.008467 | 1.00 | |
| | | | | | | |

***END OF REPORT