



RF TEST REPORT

Product Name: Fill Light

Model Name: K6500, K6501, K6502, K6503, K6504, K6505, K6700, K5600,
K6800

FCC ID: 2BGZ6-K6500

Issued For : Shenzhen Ulanzi Technology Co.,Ltd.

A1703,Building A,Galaxy World, No.1 Yabao Road, Bantian
Street, Longgang District, Shenzhen

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street,
Pingshan District, Shenzhen, Guangdong, China

Report Number: LGT24J155HA02

Sample Received Date: Oct. 28, 2024

Date of Test: Oct. 28, 2024 ~ Nov. 13, 2024

Date of Issue: Nov. 13, 2024

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TEST REPORT CERTIFICATION

Applicant: Shenzhen Ulanzi Technology Co.,Ltd.

Address: A1703,Building A,Galaxy World, No.1 Yabao Road, Bantian Street, Longgang District, Shenzhen

Manufacture: Shenzhen Ulanzi Technology Co.,Ltd.

Address: A1703,Building A,Galaxy World, No.1 Yabao Road, Bantian Street, Longgang District, Shenzhen

Product Name: Fill Light

Trademark: N/A

Model Name: K6500

Series Model: K6501, K6502, K6503, K6504, K6505, K6700, K5600, K6800

Sample Status: Normal

| APPLICABLE STANDARDS | |
|--|--------------|
| STANDARD | TEST RESULTS |
| FCC 47 CFR §2.1093 KDB 447498 D01 General RF Exposure Guidance v06 | PASS |

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Revision History

| Rev. | Issue Date | Revisions |
|------|---------------|---------------|
| 00 | Nov. 13, 2024 | Initial Issue |
| | | |



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

| | | |
|-------------------|--|--------------|
| Product Name: | Fill Light | |
| Trademark: | N/A | |
| Model Name: | K6500 | |
| Series Model: | K6501, K6502, K6503, K6504, K6505, K6700, K5600, K6800 | |
| Model Difference: | The electrical parts are consistent, and the appearance and structure are different. | |
| Frequency Bands: | Bluetooth | 2402-2480MHz |
| Rating: | Type-C Input: 5V/9V/12V 3A(Max) | |
| Battery: | Capacity: 8000mAh Rated Voltage: 3.7V | |
| Hardware Version: | 0x02 | |
| Software Version: | 0x08 | |

1.2 TEST LABORATORY

| | |
|---------------------------|--|
| Company Name: | Shenzhen LGT Test Service Co., Ltd. |
| Address: | Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China |
| Accreditation Certificate | A2LA Certificate No.: 6727.01 |
| | FCC Registration No.: 746540 |
| | CAB ID: CN0136 |



2. FCC 47CFR §2.1093 REQUIREMENT

2.1 RF Exposure Evaluation Method

RF EXPOSURE EVALUATION METHOD- KDB 447498 D01V06

2.2 LIMIT

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

| MHz | 5 | 10 | 15 | 20 | 25 | mm |
|------|----|----|-----|-----|-----|---|
| 150 | 39 | 77 | 116 | 155 | 194 | SAR Test Exclusion Threshold (mW) |
| 300 | 27 | 55 | 82 | 110 | 137 | |
| 450 | 22 | 45 | 67 | 89 | 112 | |
| 835 | 16 | 33 | 49 | 66 | 82 | |
| 900 | 16 | 32 | 47 | 63 | 79 | |
| 1500 | 12 | 24 | 37 | 49 | 61 | |
| 1900 | 11 | 22 | 33 | 44 | 54 | |
| 2450 | 10 | 19 | 29 | 38 | 48 | |
| 3600 | 8 | 16 | 24 | 32 | 40 | |
| 5200 | 7 | 13 | 20 | 26 | 33 | |
| 5400 | 6 | 13 | 19 | 26 | 32 | |
| 5800 | 6 | 12 | 19 | 25 | 31 | |

Note: 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2.3 EUT OPERATION CONDITION

EUT was enabled to transmit and receive at lowest, middle and highest channels.

2.4 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 0cm away from the body of the user. Warning statement to the user for keeping at least 0cm or more separation distance from the antenna should be included in the User manual. So, this device is classified as portable device.



2.3 TEST RESULT

Turn up Result

| Mode | Turn up Power |
|----------|---------------|
| BLE-GFSK | 1±1dBm |

The MPE result of worst mode:

| Mode | frequency (GHz) | Maximum Peak Conducted Output Power (dBm) | Tune up Power (dBm) | Tune up Power (mW) | Result | Limit |
|------|-----------------|---|---------------------|--------------------|--------|-------|
| BLE | 2.402 | 0.82 | 2 | 1.585 | 0.491 | 3 |

Remark:

Threshold at which no SAR required is $\text{Max. } 0.491 \leq 3.0$ for 1-g SAR, Separation distance is 5mm.



APPENDIX I - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Note: Please see the attached K6500_EUT Photos.

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