# EMF TEST REPORT

Product Name: EnjoyGalaxy Wireless Lighting System

Model Number:
LED BALL, Wristband, Torch, Tube, Apollo, Lanyard, Cube, Dome, Stick, Lantern, Thunderstick, Props

FCC ID: RJMENJOYG306G305A

Issued For : ENJOY TECHNOLOGY CO., LIMITED

UNIT 04,7/F BRIGHT WAY TOWER NO.33 MONG KOK RD KL, HONG KONG

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: | LGT26I257HA01 |
| Sample Received Date: | Sep. 30, 2026 |
| Date of Test: | Sep. 30, 2026 ~ Oct. 14, 2026 |
| Date of Issue: | Oct. 14, 2026 |

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# TEST REPORT CERTIFICATION

| | |
|---|---|
| **Applicant:** | ENJOY TECHNOLOGY CO., LIMITED |
| Address: | UNIT 04,7/F BRIGHT WAY TOWER NO.33 MONG KOK RD KL, HONG KONG |
| **Manufacturer:** | Guangzhou Qile Technology Co., Limited |
| Address: | R 201, 201, Cuijing Street, Changxing Road,Tianhe District, Guangzhou, China |
| Product Name: | EnjoyGalaxy Wireless Lighting System |
| Trademark: | ENJOY / EnjoyGalaxy |
| Model Number: | LED BALL, Wristband, Torch, Tube, Apollo, Lanyard, Cube, Dome, Stick, Lantern, Thunderstick, Props |
| Sample Status: | Normal |

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

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## TABLE OF CONTENTS

**1 . GENERAL INFORMATION** **5**

1.1 GENERAL DESCRIPTION OF THE EUT 5

1.2 TEST LABORATORY 5

**2 . FCC 47CFR § 2.1093 REQUIREMENT** **6**

2.1 TEST STANDARDS 6

2.2 LIMIT 6

2.3 TEST RESULT 8

## Revision History

| Rev. | Issue Date | Revisions |
|---|---|---|
| 00 | Oct. 14, 2026 | Initial Issue |
| | | |

# 1. GENERAL INFORMATION

## 1.1 GENERAL DESCRIPTION OF THE EUT

| | | |
|---|---|---|
| Product Name: | EnjoyGalaxy Wireless Lighting System | |
| Test Model Number: | LED BALL | |
| Series Number: | Wristband, Torch, Tube, Apollo, Lanyard, Cube, Dome, Stick, Lantern, Thunderstick, Props | |
| Model Difference: | The product model names are different, the color of the shells vary, and the sales customers are also different. | |
| Frequency Bands: | 2.4G | 2405~2475 MHz |
| Battery: | Capacity: 200mAh 0.74Wh<br>Rated Voltage: 3.7V | |
| Hardware Version: | V1.0 | |
| Software Version: | EnjoygalaxyLedControl Version2.2 | |

## 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: | FCC Registration No.: 746540 |
| | CAB ID: CN0136 |

## 2. FCC 47CFR §2.1093 REQUIREMENT

### 2.1 TEST STANDARDS

The limit for Maximum Permissible Exposure (MPE) specified in KDB 447498 D01 General RF Exposure Guidance v06 is followed. The gain of the antennas used in the product is extracted from the Antenna data sheets provided and also the maximum total power input to the antenna is measured. Through the Friis transmission formula and the maximum gain of the antenna, we can calculate the distance, away from the product, where the limit of MPE is reached.
Although the Friis Transmission formula is far field assumption, the calculated result of that is an over-prediction for near field power density. It is taken as worst case to specify the safety range.

### 2.2 LIMIT

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 | |

| MHz | 30 | 35 | 40 | 45 | 50 | mm |
|---|---|---|---|---|---|---|
| 150 | 232 | 271 | 310 | 349 | 387 | *SAR Test Exclusion Threshold* (mW) |
| 300 | 164 | 192 | 219 | 246 | 274 | |
| 450 | 134 | 157 | 179 | 201 | 224 | |
| 835 | 98 | 115 | 131 | 148 | 164 | |
| 900 | 95 | 111 | 126 | 142 | 158 | |
| 1500 | 73 | 86 | 98 | 110 | 122 | |
| 1900 | 65 | 76 | 87 | 98 | 109 | |
| 2450 | 57 | 67 | 77 | 86 | 96 | |
| 3600 | 47 | 55 | 63 | 71 | 79 | |
| 5200 | 39 | 46 | 53 | 59 | 66 | |
| 5400 | 39 | 45 | 52 | 58 | 65 | |
| 5800 | 37 | 44 | 50 | 56 | 62 | |

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,where f(GHz) 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 TEST RESULT

**Turn up Result**

| Mode | Turn up Power |
|---|---|
| 2.4G-GFSK | 1.5±1dBm |

**The MPE result of worst mode:**

| RF Function | Frequency (MHz) | Max Turn up Power (dBm) | Max Turn up Power (mW) | Estimated SAR | Limit | Ratio | Result |
|---|---|---|---|---|---|---|---|
| 2.4G | 2405 | 2.50 | 1.78 | 0.552 | 3 | 0.184 | Pass |

**Note:**

1. The Maximum Power Density is less than the limit, complies with the exemption requirements.

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