# TEST REPORT

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|---|---|
| Report Reference No........................ : | **MTEB25030111-H** |
| FCC ID............................................... : | **2A6GT-GLCSNTA1901** |
| Compiled by<br>( position+printed name+signature)..: | File administrators   Alisa Luo |
| Supervised by<br>( position+printed name+signature)..: | Test Engineer    Sunny Deng |
| Approved by<br>( position+printed name+signature)..: | Manager    Yvette Zhou |
| Date of issue.........................................: | **Mar.10,2025** |
| **Representative Laboratory Name. :** | **Shenzhen Most Technology Service Co., Ltd.** |
| Address............................................... : | No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China. |
| **Applicant's name................................:** | **glocusent co., ltd** |
| Address............................................... : | 110 16th Street, Suite 1400 #1095 Denver, CO 80202 United States |
| **Test specification/ Standard............:** | **47 CFR Part 1.1307**<br>**47 CFR Part 2.1093** |
| TRF Originator.....................................: | Shenzhen Most Technology Service Co., Ltd. |

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| **Test item description........................:** | Remote control iron clip lamp |
| Trade Mark...........................................: | N/A |
| Model/Type reference.........................: | GLCSNTA1901 |
| Listed Models ....................................... : | GLCSNTA1902, GLCSNTA1903,GLCSNTA1904, GLCSNTA1905, GLCSNTA1906, GLCSNTA1907, GLCSNTA1908, GLCSNTA1909, GLCSNTA1910, GLCSNTA1911, GLCSNTA1912, GLCSNTA1913, GLCSNTA1914 |
| Modulation Type..................................: | ASK |
| Operation Frequency..........................: | 433.92MHz |
| Hardware version.................................: | V1.0 |
| Software version .................................: | V1.0 |
| Rating...................................................: | DC 3V by Batteries |
| Result...................................................: | **PASS** |

# T E S T   R E P O R T

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|---|---|---|
| Equipment under Test | : | Remote control iron clip lamp |
| Model /Type | : | GLCSNTA1901 |
| Listed Models | : | GLCSNTA1902, GLCSNTA1903,GLCSNTA1904, GLCSNTA1905, GLCSNTA1906, GLCSNTA1907, GLCSNTA1908, GLCSNTA1909,GLCSNTA1910, GLCSNTA1911, GLCSNTA1912, GLCSNTA1913, GLCSNTA1914 |
| Remark | | Only the model "GLCSNTA1901" was tested, Their electrical circuit design, layout, components used and internal wiring are identical, Only the model name and Appearance is different. |
| Applicant | : | **glocusent co., ltd** |
| Address | : | 110 16th Street, Suite 1400 #1095 Denver, CO 80202 United States |
| Manufacturer | : | **Shenzhen Glocusent Technology Co., Ltd** |
| Address | : | Building 8, 2001, Xinyi Lingyu R&D Center, No. 26 Honglang North Second Road, Xingdong Community, Xin'an Street, Bao'an District, Shenzhen |

| Test Result: | PASS |
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

# Contents

## 1. Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------|-----------|------------|
| 00 | 2025.03.10 | Initial Issue | Alisa Luo |
|  |  |  |  |
|  |  |  |  |

## 2.1 RF Exposure Compliance Requirement

### 2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06
4.3.1. Standalone SAR test exclusion considerations
Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 2.1.2 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:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [$\sqrt{f(GHz)}$] ≤ 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[17]
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

2.1.3 EUT RF Exposure

EIRP =PT*GT= $(E \times D)^2 /30$
where:
PT = transmitter output power in watts,
GT = numeric gain of the transmitting antenna (unitless),
E = electric field strength in V/m, ---$10^{(dB\mu V/m)/20}/10^6$ ,
D = measurement distance in meters (m)---3m,
So PT = $(E \times D)^2 /30 / GT$

The worst case (refer to report MTEB25030111-R) is below:

| Antenna polarization: Horizontal | | |
|---|---|---|
| Frequency  (MHz) | Level (dBuV/m) | Polarization |
| 433.92 | 85.59 | Peak |
| 433.92 | 54.03 | Average |

| Antenna polarization: Vertical | | |
|---|---|---|
| Frequency  (MHz) | Level (dBuV/m) | Polarization |
| 433.92 | 85.98 | Peak |
| 433.92 | 54.63 | Average |

For  433.92MHz wireless:
Field strength=85.98dBuV/m
Ant gain 0dBi;so Ant numeric gain=1

EIRP = PT*GT = $(E \times D)^2 /30$=$(10^{(dB\mu V/m)/20}/10^6*3)^2/30$=0.00012
So PT= EIRP/GT=0.00012W/1=0.12mW
So(0.12mW/5mm)* $\sqrt{0.43392}$GHz=0.01584

exclusion=0.01584<3.0 for 1-g SAR

So the SAR report is not required.