



中国认可
国际互认
检测
TESTING
CNAS L0446



Test Report

Verified code: 406403

Report No.: E20211216778201-3

Customer: Lumi United Technology Co., Ltd.

Address: 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen, China

Sample Name: Roller Shade Driver E1

Sample Model: RSD-M01

Receive Sample Date: Dec.17,2021

Test Date: Dec.18,2021 ~ Dec.21,2021

Reference Document: EN 50663:2017 Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)

Document: EN 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

Test Result: Pass

Prepared by: *Wen Wenwen*

Reviewed by: *Jiang Tao*

Approved by: *Xiao Liang*

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Issued Date: 2022-02-11

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

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REVISION HISTORY

Rev.	Report No.	Revisions	Effect Page	Revised By
00	E20210316495901-3-G3	Initial Issue	ALL	Yu Shanshan
01	E20211216778201-3	Update	See below	Yu Shanshan

Rev.01:

1. This report replaces the original report E20210316495901-3-G3 (issue date: 2021-06-11), which is invalid immediately after this report issued.
2. The EUT were update the information as below table, after reassessment,this changes didn't affect the test result for this report,.

Original component model	Manufacturer / Producer	Corresponding PCB tag number	Add reporting component model	Manufacturer / Producer	Corresponding PCB tag number
Drive IC (DRV8833)	Dezhou instrument semiconductor technology (Shanghai) Co., Ltd	U1	Drive IC (AT8833)	Hangzhou Zhongke Microelectronics Co., Ltd	U1
Voltage stabilizing IC (SGM2203)	Shengbang Microelectronics (Beijing) Co., Ltd	U3	Voltage stabilizing IC (CW7533)	China Resources Microelectronics Limited	U3

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Statement

1. The report is invalid without "special seal for inspection and testing"; some copies are invalid; The report is invalid if it is altered or missing; The report is invalid without the signature of the person who prepared, reviewed and approved it.
2. The sample information is provided by the client and responsible for its authenticity; The content of the report is only valid for the samples sent this time.
3. When there are reports in both Chinese and English, the Chinese version will prevail when the language problems are inconsistent.
4. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report.
5. Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved propaganda.

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1 GENERAL DESCRIPTION OF EUT

1.1 APPLICANT INFORMATION

Name: Lumi United Technology Co., Ltd.
Address: 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen, China

1.2 MANUFACTURER

Name: Lumi United Technology Co., Ltd.
Address: 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen, China

1.3 FACTORY

Name: Guangdong A-OK Technology Grand Development Co.,Ltd.
Address: Hexing Road South Side, Sanhe Economic Development Zone, Huiyang, 516213Huizhou, Guangdong, PEOPLE'S REPUBLIC OF CHINA.

1.4 BASIC DESCRIPTION OF EUT

Product Name: Roller Shade Driver E1
Product Model: RSD-M01
Adding Model: /
Trade Name: Aqara
Power Supply: 5V $\overline{\text{---}}$ 1A power from USB cable or DC7.4V power from battery
Battery specification: GLIDA-INP523450-2S1P 7.4V/1000mAh(7.4Wh) , 2INP6/34/50
Frequency Band: Zigbee:2405MHz-2480MHz
Modulation Type: O-QPSK
Antenna Specification: FPC antenna 1dBi gain (Max.)
Hardware Version: KC131-01 V1.1
Software Version: 210115c V1.3
Sample submitting way: Provided by customer Sampling
Sample No: E20211216778201-0002
Note: /

2 LABORATORY AND ACCREDITATIONS

2.1 LABORATORY

The tests & measurements refer to this report were performed by Shenzhen EMC Laboratory of Guangzhou GRG Metrology & Test Co., Ltd.

Add.: No.1301 Guanguang Road Xinlan Community, Guanlan Street, Longhua District
Shenzhen, 518110, People's Republic of China.
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2.2 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA A2LA(Certificate#:2861.01)

China CNAS(L0446)

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada ISED (Company Number: 24897, CAB identifier:CN0069)

USA FCC (Registration Number: 759402, Designation Number:CN1198)

Copies of granted accreditation certificates are available for downloading from our web site,
<http://www.grgtest.com>

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3 TECHNICAL REQUIREMENTS SPECIFICATION

3.1 RF EXPOSURE EVALUATION

According to EN 62479:2010 clause 4.2 and EN 50663:2017 clause 6 if the average power emitted by the apparatus operating in the frequency range 10 MHz to 300 GHz is less than or equal top 20 mW and the transmitting peal power is less than 20 W then the apparatus is deemed to comply with the basic restrictions without testing.

3.2 RESULTS

Operating Mode with Modulation		
TestMode	EIRP Level (dBm)	EIRP Level (mW)
Zigbee	9.91dBm	9.79
Test conclusion: According this requirement the SAR-measurement has not to be conducted when the sending level is < 20 mW.		

4 APPENDIX A:PHOTOGRAPH OF THE EUT

Please refer to the attached document E20211216778201-2-EUT Photo.

----- End of Report -----