

RF EXPOSURE REPORT

FOR

Applicant	:	Guangzhou EZVALO Technology Company Limited
Address	:	Unit 1503 and 1504, 15/F, 166 Huangpu Park West Road, Huangpu District, Guangzhou, China
Equipment under Test	:	Rechargeable Puck Light
Model No.	:	LRX, LRXX (X is expressed as a number from 1 to 9)
Trade Mark	:	EZVALO
FCC ID	:	2AYQN-LR1
Manufacturer	:	Guangzhou EZVALO Technology Company Limited
Address	:	Unit 1503 and 1504, 15/F, 166 Huangpu Park West Road, Huangpu District, Guangzhou, China

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
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REPORT

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TEST REPORT DECLARE

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-R22070803-1E03		
Date of Receipt:	Jul. 11, 2022	Date of Test:	Jul. 11, 2022 ~ Jul.14, 2022

Prepared By:


Bobo Chen /Engineer

Approved By:


Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Jul 15, 2022	

1. General information

1.1. Description of Equipment

EUT* Name	: Rechargeable Puck Light
Model Number	: LRX, LRXX (X is expressed as a number from 1 to 9)
Different of models	: All models are identical, except the different color only.
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 5V from Micro-USB DC 3.7V 2000mAh Polymer Li-ion built-in battery
Radio Specification	: Bluetooth V4.2
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK
Data Rate	: 1 Mbps
Antenna Type	: PCB antenna, maximum PK gain: 2.0 dBi
Sample Number	: S22070803-01 for conductive S22070803-02 for radiation

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,
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CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

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:

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

$f(\text{GHz})$ 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

3. Estimation Result

Worse case is as below: [2402MHz, 0.4 dBm, 1.1 mW) output power]

$(1.1/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.34 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT