

RF Exposure Evaluation Report

Report No.: JYTSZ-R12-2401104

Applicant: Shenzhen Yile Dynamic Technology Co., LTD.

Address of Applicant: 1205-1206, Tianliao Building, Tangchang Road, Tanglang Community, Taoyuan Street, Nanshan District, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Remote Controller

Model No.: URRCD01

Trade mark: UREVO

FCC ID: 2A8UT-URRCD01

Applicable standards: FCC CFR Title 47 Part 2 (§2.1093)

Date of sample receipt: 05 Sep., 2024

Date of Test: 06 Sep., to 23 Sep., 2024

Date of report issue: 08 Oct., 2024

Test Result: PASS

Project by: _____

Date: 08 Oct., 2024

Reviewed by: _____

Date: 08 Oct., 2024

Approved by: _____

Date: 08 Oct., 2024

Manager

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	08 Oct., 2024	Original

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3 General Information

3.1 Client Information

Applicant:	Shenzhen Yile Dynamic Technology Co., LTD.
Address:	1205-1206, Tianliao Building, Tangchang Road, Tanglang Community, Taoyuan Street, Nanshan District, Shenzhen, China
Manufacturer/Factory:	Shenzhen Yile Dynamic Technology Co., LTD.
Address:	1205-1206, Tianliao Building, Tangchang Road, Tanglang Community, Taoyuan Street, Nanshan District, Shenzhen, China

3.2 General Description of E.U.T.

Product Name:	Remote Controller
Model No.:	URRCD01
Operation Frequency:	BLE: 2402MHz~2480MHz
Modulation technology:	BLE: GFSK
Antenna Type:	Internal Antenna
Antenna gain:	3.0dBi (declare by applicant)
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Operating Modes

Operating mode	Detail description
BLE mode	Keep the EUT in continuously transmitting in BLE mode

3.4 Additions to, deviations, or exclusions from the method

No

3.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.6 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

4 Technical Requirements Specification

4.1 Limits

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

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

4.2 Result

Worse case for BLE as below:

[2402MHz: 3.895dBm (2.452 mW) output power]

$(2.452 \text{ mW} / 5\text{mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 0.760 < 3.0$ for 1-g SAR

4.3 Conclusion

The device is exempt from the SAR test and satisfies RF exposure evaluation.

-----End of report-----