



SAR Exemption Evaluation

Applicant WOW Tech Canada Ltd.,
FCC ID ZUERWVG3B
Product 5 button universal remote
Brand We-Vibe; Arcwave
Model R-WVG3B
Report No. R2407A0962-S1
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Prepared by: Wei Fangying

Approved by: Fan Guangchang

Eurofins TA Technology (Shanghai) Co., Ltd.

Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

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1 Test Laboratory

1.1 Notes of the Test Report

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1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City: Shanghai
Post code: 201201
Country: P. R. China
Contact: Fan Guangchang
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <https://www.eurofins.com/electrical-and-electronics>
E-mail: Jack.Fan@cpt.eurofinscn.com

1.4 Laboratory Environment

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Temperature | Min. = 18°C, Max. = 25°C |
| Relative humidity | Min. = 20%, Max. = 80% |
| Ground system resistance | < 0.5 Ω |
| Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards. | |

2 Description of Equipment Under Test

Client Information

| | |
|----------------------|------------------------------------------------------------------|
| Applicant | WOW Tech Canada Ltd., |
| Applicant address | 1545 Carling Avenue, Suite 401. Ottawa, Ontario, Canada, K1Z 8P9 |
| Manufacturer | WOW Tech Europe GmbH |
| Manufacturer address | Hermann-Blankenstein-Str. 5, 10249 Berlin, Germany |

General Technologies

| | |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Application Purpose | Original Grant |
| EUT Stage | Identical Prototype |
| Model | R-WVG3B |
| Lab internal SN | R2407A0962/S01 |
| Hardware Version | R-WVG3B |
| Software Version | 510-00116 |
| Antenna Type | Internal Antenna |
| Date of Testing | July 31, 2024 ~ August 29, 2024 |
| Date of Sample Received | July 24, 2024 |
| Note: | |
| 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. | |
| 2. We-Vibe and Arcwave is just a different brand for different market needs. | |

Wireless Technology and Frequency Range

| Wireless Technology | Modulation | Operating Mode | Tx (MHz) |
|---------------------|------------|-----------------|------------|
| Bluetooth LE | 2.4G | Version 5.1+ LE | 2402 ~2480 |

3 Test Specification, Methods and Procedures

Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

4 Output Power

| Bluetooth LE | Output Power(dBm) | | |
|--------------|-------------------|----------------|----------------|
| | Ch 0/2402 MHz | Ch 19/2440 MHz | Ch 39/2480 MHz |
| GFSK (1M) | -10.45 | -13.31 | -16.45 |
| GFSK (2M) | -10.39 | -13.14 | -16.43 |

5 Standalone SAR Test Exclusion Considerations

Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

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

- $f(\text{GHz})$ 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

Per KDB 447498 D01, when the minimum test separation distance is $<$ 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

| Band | Configuration | Frequency (MHz) | Distance (mm) | MAX Power (dBm) | Ratio | SAR test exclusion thresholds | Evaluation |
|-----------|---------------|-----------------|---------------|-----------------|-------|-------------------------------|------------|
| Bluetooth | Body SAR | 2480 | 10 | -10.39 | 0.01 | 3 | No |
| | Extremity SAR | 2480 | 0 | -10.39 | 0.03 | 7.5 | No |

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine evaluation.

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

*****END OF REPORT*****