

SAR Exemption Evaluation

Applicant	WOW Tech Canada Ltd.,
FCC ID	ZUEPRK2A
Product	Prostate Massager
Brand	Arcwave
Model	PRK2A
Report No.	R2408A1146-S1
Issue Date	September 30, 2024

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	PRK2A
Lab internal SN	R2408A1146/S01
Hardware Version	PRK2A
Software Version	510-00120
Antenna Type	Internal Antenna
Date of Testing	August 27, 2024 ~ September 14, 2024
Date of Sample Received	August 19, 2024
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology	Modulation	Operating Mode	Tx (MHz)
Bluetooth LE	Version 5.0+ 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)	-2.04	-2.21	-1.59
GFSK (2M)	-2.14	-2.22	-1.55
GFSK (S=2)	-2.12	-2.10	-1.59
GFSK (S=8)	-2.24	-2.59	-1.98

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 ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 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	-1.55	0.11	3	No
	Extremity SAR	2480	0	-1.55	0.22	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 *******