

RF Exposure Evaluation Report

Report Reference No......: **MTEB25120225-H**

FCC ID.....: **2A8I9HRM01**

Compiled by

(position+printed name+signature)..: File administrators Alisa Luo



Supervised by

(position+printed name+signature)..: Test Engineer Sunny Deng



Approved by

(position+printed name+signature)..: Manager Yvette Zhou



Date of issue.....: Dec.19,2025

Representative Laboratory Name.: **Shenzhen Most Technology Service Co., Ltd.**

Address.....: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,
Nanshan, Shenzhen, Guangdong, China.

Applicant's name.....: **Shenzhen Velogo Technology Co., Ltd.**

Address.....: 901, Lvjing Meijing Square, NO.4088, Qiaoxiang Road, Gaofa
community, Shahe street,Nanshan District, Shenzhen,Guangdong
Province,China

Test specification/ Standard.....: **47 CFR Part 1.1307**
47 CFR Part 2.1093

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

Shenzhen Most Technology Service Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Most Technology Service Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Most Technology Service Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description.....: Heart Rate Monitor

Trade Mark.....: VELOTRIC

Model/Type reference.....: VELHRM01

Listed Models: N/A

Modulation Type.....: GFSK

Operation Frequency.....: 2457MHz
2402MHz~2480MHz

Hardware Version.....: 1.0

Software Version.....: 0.128

Rating.....: DC 5V by USB Port
DC3.8V by battery

Result.....: PASS

TEST REPORT

Equipment under Test : Heart Rate Monitor

Model /Type : VELHRM01

Listed Models : N/A

Remark : N/A

Applicant : **Shenzhen Velogo Technology Co., Ltd.**

Address : 901, Lvjing Meijing Square, NO.4088, Qiaoxiang Road, Gaofa community, Shahe street, Nanshan District, Shenzhen, Guangdong Province, China

Manufacturer : **Shenzhen Velogo Technology Co., Ltd.**

Address : 901, Lvjing Meijing Square, NO.4088, Qiaoxiang Road, Gaofa community, Shahe street, Nanshan District, Shenzhen, Guangdong Province, China

Test Result:	PASS
---------------------	-------------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2025.12.19	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$
 ≤ 3.0 for 1-g SAR and ≤ 7.5 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 calculation¹⁷

. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BLE

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	-0.13	-0.13 ± 1	0.87
Middle(2440MHz)	0.60	0.60 ± 1	1.6
Highest(2480MHz)	0.82	0.82 ± 1	1.82

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest(2480MHz)	0.82	1.82	1.52	0.48	3.0	Yes

ANT+

Field strength=85.68dBuV/m
 EIRP =85.68dBuV/m-95.2= -9.52dBm

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
(2457MHz)	-9.52	-8.52	0.14	0.04	3.0	Yes

.....**THE END OF REPORT**.....