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CERTIFICATION TEST REPORT

Manufacturer: **Zomedica Corp**
100 Phoenix Drive
Ann Arbor, Michigan 48108 USA

Applicant: **Same as Above**

Product Name: **VetGuardian**

Product Description: The unit operates as a monitor for vital signs (respiration and heart rate) via wireless signals.

**Operating Voltage/Freq.
of EUT During Testing:** 120V/60 Hz

Model: **ZOMVG04***
**Denotes actual model tested as worst-case representative of product family that includes models ZOMVG01, ZOMVG02, ZOMVG03 and ZOMVG04.*

FCC ID: **2BQZC-ZOMVG01**

Testing Commenced: 2025-10-30

Testing Ended: 2025-11-18

Test Results: **In Compliance, with Modifications**

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- **KDB447498**
- **FCC Part 1.1310**



Order No(s): F2X28772A-R1C

Applicant: Zomedica Corp
Model: ZOMVG04

Evaluation Conducted by:

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Report Reviewed by:

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2X28772-R1C-02E	First Issue	2025-11-18	K. Littell



2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498 FCC Part 1.1310	Complies

Modifications Made to the Equipment
None



3 **ENGINEERING STATEMENT**

This report has been prepared on behalf of Zomedica Corp to provide documentation for the testing described herein. This equipment has been tested and found to comply with FCC Rule Part 1.1310 and KDB447498. The test results found in this test report relate only to the item(s) tested.



4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: Heart Monitor (VetGuardian)

Model: ZOMVG04*

Serial No.: 79d96fff

Firmware: 2.5

Hardware: G

FCC ID: 2BQZC-ZOMVG01

Contains FCC ID: 2ABCB-RPICM4

**Denotes actual model tested as worst-case representative of product family that includes models ZOMVG01, ZOMVG02, ZOMVG03 and ZOMVG04.*

4.2 Trade Name:

Zomedica Corp

4.3 Power Supply:

Shenzhen model J483-1203500UX

4.4 Applicable Rules:

- KDB447498
- FCC Part 1.1310

4.5 Antenna:

PCB Trace

4.6 Accessories:

None

**5 RF EXPOSURE FOR DEVICE >20cm FROM HUMAN****5.1 Requirements: Distance used is 20cm****Limit:** 1mW/cm²**Formula used for result:** $\frac{E.I.R.P.}{4 \pi R^2}$ **Results:** E.I.R.P. of Radar transmission = 0.613mW

$$P(dBm) = E(dBuVm) + 20 \log(d) - G - 104.77$$

$$93.1 + 9.542425 - 0 - 104.77 = -2.13$$

0.613 mW at the 5735 MHz Low channel.

$$\frac{0.613mW}{4 \pi R^2} = \frac{0.613mW}{5026.55} = 0.000122mW/cm^2$$

The highest E.I.R.P. of the Wi-Fi as reported in the authorization for the Wi-Fi module in the 5170 – 5825 MHz range = 112.2 mW

$$\frac{112.2mW}{4 \pi R^2} = \frac{112.2mW}{5026.55} = 0.0223mW/cm^2$$

$$\frac{0.000122mW/cm^2}{1mW/cm^2} = \text{Ratio of } 0.000122$$

$$\frac{0.0223mW/cm^2}{1mW/cm^2} = \text{Ratio of } 0.0223$$

The combined MPE of Wi-Fi and Radar is Ratio of 0.000122 + 0.0223 = 0.022422