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SAR EXEMPTION REPORT

Manufacturer: Aventusoft, LLC.
3651 FAU Boulevard, Suite 400
Boca Raton, FL 33431 USA

Applicant: Same as Above

Product Name: Hemotag™ System

Product Description: The HEMOTAG® Cardiac Monitoring System (CMS) acquires and reports single channel ECG data and vibrational waveforms produced by the heart contractions and transmitted to the chest wall.

Model: HT-101

FCC ID: 2AQS4-HT101

Standard(s):

- KDB447498 D04 Interim General RF Exposure Guidance v01
- FCC Rule Part 1.1307(b)(3)(i)(a)

Report Constructed 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 Document History

Document Number	Description	Issue Date	Approved By
F2P24564C-06E	First Issue	2023-10-02	K. Littell



2 SUMMARY OF RESULTS

	Standard(s)	Results
SAR Exemption	- KDB447498 D04 Interim General RF Exposure Guidance v01 - FCC Rule Part 1.1307(b)(3)(i)(a)	Complies

Modifications Made to the Equipment
None



3 ENGINEERING STATEMENT

This report has been prepared on behalf of Aventusoft, LLC., to provide documentation for the SAR Exemption herein. This equipment has been tested and found to comply with the SAR Exemption levels listed in FCC Rule Part 1.1307(b)(3)(i)(a).

(3) Determination of exemption.

(i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);”

The minimum distance from the antenna used inside of the HT-101, is 5mm. The maximum Field Strength of the transmitter was 91.3 dB μ V/m at 3m which equals 0.493 mW, which is well below the exemption limit of 1mW.

$$P(\text{dBm}) = E(\text{dB}\mu\text{V}/\text{m}) + 20\text{LOG}(d) - G - 104.77$$



4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: Hemotag™ System
Model: HT-101
Serial No.: JEC8
Firmware: HT-FW-D03.00
Hardware: 2001-2003 Rev B
FCC ID: 2AQS4-HT101

4.2 Trade Name:

Aventusoft, LLC.

4.3 Power Supply:

Internal Rechargeable Battery

4.4 Applicable Rules:

KDB447498

4.5 Antenna:

Monopole

4.6 Accessories: N/A