

Movano Inc.

RF Exposure Exhibit

SCOPE OF WORK

EMC TESTING – Evie Ring Model: 430-00631 & 430-00636

REPORT NUMBER

105658950MPK-003

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**RF Exposure Exhibit
(Portable devices)**

Report Number: 105658950MPK-003
Project Number: G105658950

Report Issue Date: December 12, 2023

Product Designation: Evie Ring
Model Tested: 430-00631 & 430-00636

to

**47CFR 2.1093
RSS-102 Issue 5**

for

Movano Inc.

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Report No. 105658950MPK-003	
Equipment Under Test:	Evie Ring
Trade Name:	Movano Inc.
Model(s) Tested:	430-00631 & 430-00636
Applicant:	Movano Inc.
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Applicable Regulation:	47CFR 2.1093 RSS-102 Issue 5

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1.0 RF Exposure Summary

Test	Reference FCC	Reference Industry Canada	Result
Radio frequency Radiation Exposure Evaluation	47 CFR§2.1093	RSS-102 Issue 5	Complies

2.0 RF Exposure Limits**2.1 FCC Limits**

According to FCC KDB 447498 D01 v06 Appendix A, at frequency 2450 MHz and separation distance of \leq 5 mm SAR Exemption limit is \leq 10 mW.

2.2 Industry Canada Limits

According to RSS-102 sec. 2.5.1, at frequency 2450 MHz and separation distance of \leq 5 mm SAR Exemption limit is \leq 4 mW.

3.0 Test Results (Portable Configuration)

3.1 Classification

For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

3.2 EIRP calculations

The 430-00631 & 430-00636 Evie Ring have identical BLE circuitry. Both consist of Bluetooth Low Energy radio.

3.3 Maximum RF Power

Frequency Range (MHz)	EIRP (dBm)	Antenna Gain ¹ (dBi)	Note
2402-2480	-9.20	-7.49	Conducted power measurements were taken from Report # 105658950MPK-001

¹As declared by the manufacturer. Antenna gains below 0 are considered as 0dBi.

3.4 RF Exposure Calculation

3.4.1 RF Exposure calculation for FCC KDB 447498 D01 v06

According to FCC KDB 447498 D01 v06 Appendix A, at frequency 2450 MHz and separation distance of \leq 5 mm SAR Exemption limit is \leq 10 mW.

Max Peak EIRP measured = -9.20 dBm or 0.120 mW

No duty cycle was considered.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.

3.4.2 RF Exposure calculation for RSS-102 Issue 5

According to RSS-102 sec. 2.5.1, at frequency 2450 MHz and separation distance of \leq 5 mm SAR Exemption limit is \leq 4 mW.

Max Peak EIRP measured = -9.20 dBm or 0.120 mW

No duty cycle was considered.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.

4.0 Document History

Revision/ Job Number	Writer Initials	Reviewers Initials	Date	Change
1.0/ G105658950	GC	AS	December 04, 2023	Original document
2.0/ G105658950	GC	AS	December 12, 2023	Updated Antenna Gain information in section 3.3