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**Middlefield, Ohio 44062**  
**United States of America**  
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## **SAR EXEMPTION REPORT**

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**Manufacturer:** Tury Ind.E.comLTDA  
Av. Dr. José Fornari, 1700 — Ferrazópolis  
São Bernardo do Campo – SP  
CEP 09790-400 - SP - BRAZIL

**Applicant:** Monarch Tracking LLC  
401 Crossroads Street, Suite 1  
Laredo, Texas 78045 USA

**Product Name:** Guardian-i

**Product Description:** The product is an electronic controller of the TPS signal, installed between the accelerator pedal and the vehicle's ECU. It enables acceleration blocking in security situations, such as anti-theft or anti-robbery functions, and also acts as an acceleration limiter, contributing to fuel economy or valet mode control. Function activation is performed through external digital inputs, such as GPS trackers. The module also features Bluetooth connectivity, allowing configuration and remote control via mobile application.

**Model:** Guardian I

**FCC ID:** 2BQGN001

**Standard(s):**

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



Order No(s): F2X34524

Applicant: Monarch Tracking LLC  
Model(s): Guardian I

**Report Constructed by:**

Erik Tobin, EMC Engineer

**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
F2X34524-02E	First Issue	2025-06-20	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 Monarch Tracking 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 Guardian I, is 5mm.

The maximum Field Strength of the transmitter was 78.7dB $\mu$ V/m on the Mid-Channel 125kHz data rate at 3m which converts to -16.53 dBm, or 0.0222 mW which is below the required 1mW exemption.

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

$$78.7 + 9.542425 + 0 - 104.77 = -16.53 \text{ dBm}$$

$$P(\text{dBm}) = -16.53 \text{ which is } 0.0222 \text{ mW}$$



#### 4 EUT INFORMATION AND DATA

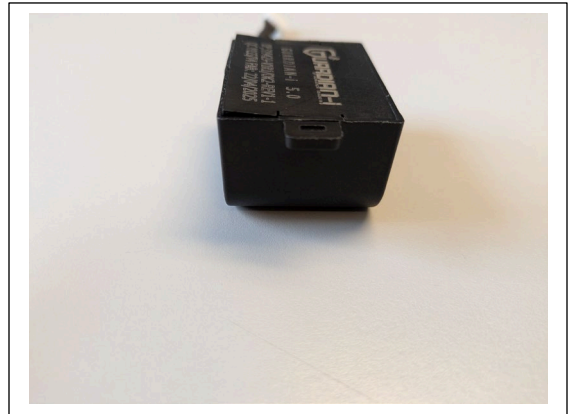
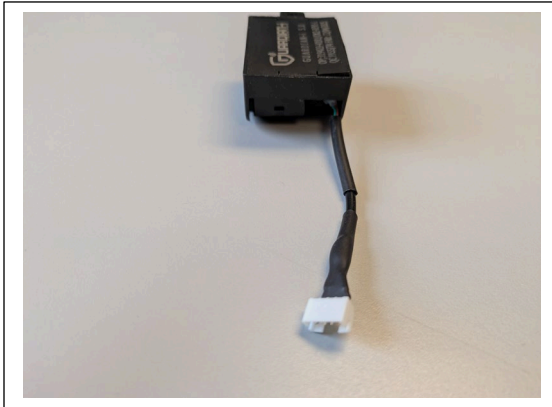
##### 4.1 Equipment Under Test:

Product: Guardian-I Security Device

Model: Guardian I

Serial No.: Guardian 5.0

FCC ID: 2BQGN001



##### 4.2 Trade Name:

Guardian i

##### 4.3 Power Supply:

USB

##### 4.4 Applicable Rules:

- KDB447498
- FCC Rule Part 1.1307(b)(3)(i)(a)

##### 4.5 Antenna:

Custom PCB Trace, 2.0dBi Gain

##### 4.6 Accessories:

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Device	Manufacturer	Model Number	Serial Number
Laptop	Dell	P1426	None Specified
Accessory Software Version:		BlueNRG GUI v4.7.1	