



**TÜVRheinland®**  
Precisely Right.

# **RF Exposure Report**

## **RSS-102 Issue 5**

**EUT Name:** Tempo  
**Model No.:** ER010U

*Prepared for:*

Ergodriver Inc.  
6015 Wild View Drive  
Fort Collins, CO 80528 U.S.A.

*Prepared by:*

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# Statement of Compliance

*Manufacturer:* Ergodrive Inc.  
6015 Wild View Drive  
Fort Collins, CO 80528 U.S.A.  
*Name of Equipment:* Tempo  
*Model No.* ER010U  
*Application of Regulations:* RSS-102 Issue 5

## *Guidance Documents:*

RSS-102 Issue 5

## *Test Methods:*

RSS-102 Issue 5, IEEE C95.3-2002

The electromagnetic compatibility test and documented data described in this report has been performed and recorded by TUV Rheinland, in accordance with the standards and procedures listed herein. As the responsible authorized agent of the EMC laboratory, I hereby declare that the equipment described above has been shown to be compliant with the EMC requirements of the stated regulations and standards based on these results. If any special accessories and/or modifications were required for compliance, they are listed in this report.

This report must not be used to claim product endorsement by A2LA or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written authorization of TUV Rheinland of North America.

Osvaldo Casorla September 28, 2021

Test Engineer Date

Richard Decker September 28, 2021

Laboratory Signatory Date



**Test Cert. # 3331.02**

## 1 Product Specifications

### 1.1 Product Description

### 1.2 Product Specifications

EUT Specifications	
Exposure Type	<input checked="" type="checkbox"/> General Population / Uncontrolled <input type="checkbox"/> Occupational / Controlled
Multiple Antenna Feeds:	<input type="checkbox"/> Yes and how many 1 : 1 for Bluetooth. <input checked="" type="checkbox"/> No
Hardware Version	1.0
Software Version	20210816
Note:	

### 1.3 Air Interfaces

Air Interface	Supported Capabilities	Modulation	Maximum Duty Cycle	Band	Frequency Range (MHz)	Maximum Output Power Including Tolerance (dBm)
Bluetooth	• BLE	• GFSK	17%	N/A	2400 – 2483.5	5.89

## 2 RF Exposure Evaluation

### 2.1 Purpose

This report will demonstrate the compliance of RF exposure to the human body of the ER010U according to RSS-102. Transmitters and/or configurations that are not exempt from routine evaluation are assessed according to IEEE C95.3.

### 2.2 RF Exposure Exemption Assessment

According to RSS-102 Issue 5 section 2.5.2, RF exposure evaluation is exempt when the device operates as follows:

- At or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than  $1.31 \times 10^{-2} f^{0.6834}$  W (adjusted for tune-up tolerance), where  $f$  is in MHz
- General Population/Uncontrolled Exposure the limit of power density is  $0.02619 f^{0.6834}$  W/m<sup>2</sup>.

The maximum output power and antenna gain is declared by the manufacturer and used in this assessment.

#### Stand Alone Analysis

Frequency Band	Operating Mode	Max. Conducted Power (W)	Numeric Antenna Gain	EIRP (W)	Exemption Limit (W)	Power Density (mW/cm <sup>2</sup> )	Power Density Limit (mW/cm <sup>2</sup> )	Percentage of Limit
2400 – 2483.5	BLE	0.004	2.51	0.0097	4.53	0.02	2.68	0.364

Note: Calculations for this report are based on highest power measurement and its antenna gain.

### 2.3 Conclusion

The EUT was found to be exempt from RF Exposure evaluation.

The EUT was found to be compliant to the requirements of RSS-102 Issue 5 with a minimum distance of 20 cm.