REM-EMIESS24A523TEX-01Av0

# MPE test report

**According to the standard:**

CFR 47 FCC PART 15

**Equipment under test:**

***TPMS-RH21***

**FCC ID: *2BCPN-RH21***

**Company:**

**TEXYS INTERNATIONAL**

**Distribution:** Mr DAGNET Thibault **(Company: TEXYS INTERNATIONAL)**

**Number of pages:** 5

| Ed. | Date | Modified Page(s) | Technical Verification and Quality Approval<br>Name and Function / Visa |
|---|---|---|---|
| 0 | 7-Jun-24 | Creation | J.C. BOGA, Laboratories Manager |

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Information in italics are declared by the manufacturer/customer and are under his responsibility

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| | |
|---|---|
| **DESIGNATION OF PRODUCT:** | ***TPMS-RH21*** |
| **Serial number (S/N):** | *U24020698* |
| **Reference / model (P/N):** | *TPMS-RH21* |
| **Software version:** | *V2.14* |
| **MANUFACTURER:** | Texys Internationnal |

**COMPANY SUBMITTING THE PRODUCT:**

| | |
|---|---|
| **Company:** | Texys Internationnal |
| **Address:** | ZA des Chamonds 16 rue Edouard Branly<br>58640 Varennes-Vauzelles<br>FRANCE |
| **Responsible:** | Mr DAGNET Thibault |
| **DATE(S) OF TEST:** | From 8-Apr-24 to 26-Apr-24 |
| **TESTING LOCATION:** | EMITECH LYON laboratory at CHASSIEU (69) FRANCE<br><br>FCC Accredited under US-EU MRA Designation Number: FR0013<br>Test Firm Registration Number: 807590<br><br>ISED Accredited under CANADA-EU MRA Designation Number: FR0007<br>Industry Canada Registration Number: 4379D |
| **TESTED BY:** | T. LEDRESSEUR **VISA:**  |
| **WRITTEN BY:** | T. LEDRESSEUR |

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# REVISIONS HISTORY

| Revision | Date | Modified pages | Modifications |
|---|---|---|---|
| 0 | **7-Jun-24** | / | Creation |

## 1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: ***TPMS-RH21***, in accordance with normative reference.

The equipment under test integrates:

- SRD receiver (433.98MHz).
- RFID transceiver (125 kHz)

## 2. PRODUCT DESCRIPTION

| | |
|---|---|
| Category of equipment (ISED): | I |
| Class: | B |
| Utilization: | TPMS Sensor system |
| Antenna type and gain: | Integral antenna (unknown gain) |
| Operating frequency range: | 125 kHz |
| Number of channels: | 1 |
| Channel spacing: | Not concerned |
| Modulation: | ASK |
| Power source: | Internal battery Li-ion 2250 mAh. Rechargeable by AC/DC Adapter 100-240Vac to 12Vdc |

Power level, frequency range and channels characteristics are not user adjustable.
The details pictures of the product and the circuit boards are joined with this file.

## 3. NORMATIVE REFERENCE

The standards and testing methods related throughout this report are those listed below.
They are applied on the whole test report even though the extensions (version, date and amendment) are not repeated.

| | |
|---|---|
| CFR 47 (2024) | Radio Frequency Devices |
| ANSI C63.10 | 2013<br>Procedures for ComplianceTesting of Unlicensed Wireless Devices. |
| 447498 D04 Interim General RF Exposure Guidance v01 | RF Exposure Pocedures and Equipment Authorization Policies for Mobile and Portable Devices |

## 4. RF EXPOSURE

In accordance with KDB 447498 D04 Interim General RF Exposure Guidance v01.

**1-mW Test Exemption according paragraph 2.1.2**

Maximum measured power = 52.3 dBµV/m = **1.37 x 10-6 mW** at 125 kHz.
with $P = (E \times d)^2 / (30 \times Gp)$ *with d = 10 m and Gp = 1*

**The equipment fulfils the requirements on 1-mW Test Exemption according §1.1307(b)(3)(i)(A).**