

REM-EMIESS22N617SER-03Av0

## MPE test report

**According to the standard:**

**CFR 47 FCC PART 15**

**Equipment under test:**

***Key Panel Smart Key Manager v2***

**FCC ID: 2A9X2STISKM2001**

**Company:**

**SERV TRAYVOU INTERVERROUILLAGE**

**Distribution:** Mrs TRAN

**(Company:** SERV TRAYVOU INTERVERROUILLAGE)

**Number of pages:** 5

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval	
			Name and Function	Visa
0	26-Jan-23	Creation	M. DUMESNIL, Radio Laboratory Manager	

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This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

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

**DESIGNATION OF PRODUCT:** *Key Panel Smart Key Manager v2*

**Serial number (S/N):** *Prototype*

**Reference / model (P/N):** *SKM2KP000*

**Software version:** *V1.0.0*

**Hardware version:** *V2.0.0*

**MANUFACTURER:** *SERV TRAYVOU INTERVERROUILLAGE*

**COMPANY SUBMITTING THE PRODUCT:**

**Company:** SERV TRAYVOU INTERVERROUILLAGE

**Address:** 1 TER RUE DU MARAIS  
BATIMENT B  
93100 - MONTREUIL  
FRANCE

**Responsible:** Mrs TRAN

**Person(s) present during the tests:** Mr KROUPPE DE KER MARTIN (The first day)

**DATES OF TEST:** From 26-Sep-22 to 3-Oct-22

**TESTING LOCATION:** EMITECH ANGERS laboratory at JUIGNE SUR LOIRE (49) FRANCE

FCC Accredited under US-EU MRA Designation Number: FR0009  
Test Firm Registration Number: 873677

**TESTED BY:** B. VOVARD

**VISA:**

A handwritten signature in black ink, appearing to read "B. Vovard", with a horizontal line drawn underneath it.

**WRITTEN BY:** B. VOVARD

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## REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	11-Jan-23	/	Creation

## 1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **Key Panel Smart Key Manager v2**, in accordance with normative reference.

The equipment under test integrates two parts:

- 125 kHz / 13.56MHz Elatec GmbH TWN4 MultiTech M (FCCID: WP5TWN4F17 / IC: 7948A-TWN4F17) module already certified (Central Unit).
- 125 kHz function not already certified (Key Panel).

This report concern the 125 kHz function of the Key Panel.

## 2. PRODUCT DESCRIPTION

Class:	B
Utilization:	Residential use
Antenna type and gain:	integral antenna (unknown gain)
Operating frequency:	125 kHz
Number of channels:	1
Channel spacing:	Not concerned
Power source:	120 Vac 60 Hz

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 (2022)                      Radio Frequency Devices

ANSI C63.10                      2013  
Procedures for Compliance Testing of Unlicensed Wireless Devices.

447498 D04 Interim General      RF Exposure Procedures and Equipment Authorization Policies for Mobile and  
RF Exposure Guidance v01      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 = 55.88 dB $\mu$ V/m =  $1.87 \times 10^{-7}$  mW at 125 kHz

with  $P = (E \times d)^2 / (30 \times G_p)$  with  $d = 3$  m and  $G_p = 1$

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