

REM-EMIESS24E104SUB-02Av0

MPE test report	
According to the standard:	
CFR 47 FCC PART 15	
Equipment under test: <i>TENS</i>	
FCC ID: 2BALKSB7	
Company: SubliMed	

**Distribution:** Mr Julian MARIN

(Company: SubliMed)

Number of pages: 6 with 1 appendix

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DESIGNATION OF PRODUCT:	TENS			
Serial number (S/N):	0007618170024			
Reference / model (P/N):	A0			
Software version:	Software: 1.0 (1.0f)			
Trad mark:	actiTENS mini & Vitalitens mini			
MANUFACTURER:	SubliMed			
COMPANY SUBMITTING THE PRODU	JCT:			
Company:	SubliMed			
Address:	137 RUE DE MAYOUSSARD 38430 MOIRANS FRANCE			
Responsible:	Mr Julian MARIN			
DATE(S) OF TEST:	From 16-Dec-24 to 19-Dec-24			
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## **REVISIONS HISTORY**

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#### 1. INTRODUCTION

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

The equipment under test integrates a Bluetooth Low Energy radio function

## 2. PRODUCT DESCRIPTION

Category of equipment (ISED): I

Class:	В
Utilization:	Residential use
Antenna type and gain:	0.5 dBi / integral chip antenna
Operating frequency range:	From 2400 MHz to 2483.5 MHz
Number of channels:	40
Channel spacing:	2MHz
Modulation:	GFSK

Test frequencies:

Frequencies tested:

Sample N°= 1	⇒ 2402 MHz Full tests
Sample N°= 1	⇒ 2440 MHz Full tests
Sample N°= 1	⇒ 2480 MHz Full tests

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 (2025)	Radio Frequency Devices
ANSI C63.10	2013 Procedures for ComplianceTesting of Unlicensed Wireless Devices.
447498 D01 General RF Exposure Guidance v06	RF Exposure procedures and equipment authorization policies for mobile and portable equipment
447498 D04 Interim General RF Exposure Guidance v01	RF Exposure Pocedures and Equipment Authorization Policies for Mobile and Portable Devices



### 4. RF EXPOSURE

Maximum measured power

F = 2402 MHz

	Electro- magnetic field	Maximum Peak conducted output power (1)		Limit	Maximum Peak EIRP		Limit	
	(dBµV/m):	(dBm)	(W)	(W)	(dBm)	(W)	(W)	
Nominal supply voltage:	95.5	-0.23	0.00095	1	0.27	0.00106	4	

Polarization of test antenna: horizontal (height: 150 cm) Position of equipment: 1 (azimuth: 176 degrees)

## Maximum Peak conducted output power:

 $EIRP(dBm) = E (dB\mu V/m) + 20log(D) - 104.8 - G$ ; where D is the measurement distance in meters and antenna Gain = 0.5 dBi.

#### SAR-Based Exemption according paragraph 2.1.3

The test separation distance declared is 5 mm (with a minimum value of 5 mm).

According §1.1307, at frequency 915 MHz for this distance, the ERP exemption threshold is 3 mW ERP

The maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW).

The equipment fulfils the requirements on SAR-Based Exemption according §1.1307(b)(3)(i)(B).

□□□ End of report, 1 appendix to be forwarded □□□