

TEST REPORT

Product Name : Wireless TENS&EMS&NMES Heating Stimulator
Model Number : SM9125, SM9086, SM9143, SM9141B, SM9142B
FCC ID : 2AMYMSM9125C

Prepared for : Hong Qiangxing(Shenzhen) electronics Limited
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1. TEST RESULT CERTIFICATION

Applicant : Hong Qiangxing(Shenzhen) electronics Limited
 Address : 2F, Yongcheng Blvd, Xicheng Industrial area, Xixiang Street, Bao'an District, Shenzhen City, Guangdong Province, 518126, China
 Manufacturer : Hong Qiangxing(Shenzhen) electronics Limited
 Address : 2F, Yongcheng Blvd, Xicheng Industrial area, Xixiang Street, Bao'an District, Shenzhen City, Guangdong Province, 518126, China
 Factory : Hong Qiangxing(Shenzhen) electronics Limited
 Address : 2F, Yongcheng Blvd, Xicheng Industrial area, Xixiang Street, Bao'an District, Shenzhen City, Guangdong Province, 518126, China
 EUT : Wireless TENS&EMS&NMES Heating Stimulator
 Model Name : SM9125, SM9086, SM9143, SM9141B, SM9142B
 Trademark : N/A

Measurement Procedure Used:

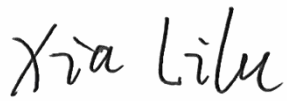
APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 15.247(i), § 2.1093	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : July 18, 2025 to Jan 20, 2026

Prepared by : 
Yu Xiaolan /Editor

Reviewer : 
Xia Lili/Supervisor

Approve & Authorized Signer : 
Wang Li/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2507180333W00602R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Wireless TENS&EMS&NMES Heating Stimulator
Model Number:	SM9125, SM9086, SM9143, SM9141B, SM9142B All products are identical except the model number. Here we selected SM9125 for all the test.
Sample:	1#
Device Type :	2.4G SRD
Channe Separation :	1MHz
Modulation:	GFSK
Operating Frequency Range(s) :	2402-2470MHz
Number of Channels:	69 Channels
Transmit Power Max:	4.37 dBm(0.002735 W)
Antenna Gain:	2.43 dBi
Power supply:	DC 5V from USB DC3.7V from battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement

SAR Evaluation

According to 447498 D01 V06, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁴ where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

Antenna gain: 2.43 dBi

Transmit Frequency (MHz)	Mode	Measured Power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	Calculation threshold(1-g SAR)
2402	GFSK	4.37	4±1	5	0.9802	3
2436	GFSK	4.27	4±1	5	0.9871	3
2470	GFSK	4.32	4±1	5	0.9940	3

According to KDB 447498 D01 V06, no stand-alone required for 2.4G antenna, and no simultaneous SAR measurement is required.

*** End of Report ***