

RF Exposure Evaluation

Project Number: 4261199

Report Number: 4261199EMC09 **Revision Number:** 0

Client: Younes Medical

Equipment Under Test: Wireless Sleep Diagnostics

Model Name: Prodigy 2 System

Model Number: Prodigy 2 (HMU)

Applicable Standards: 47 CFR §§ 2.1091 and 2.1093;

FCC KDB 447498 D01 General RF Exposure Guidance v06

Remarks: This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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1 General Information

1.1 Client Information

Name: Younes Medical Technologies
Address: Unit 5-55 Henlow Bay
City, State, Zip, Country: Winnipeg Manitoba, R3Y 1G4, Canada

1.2 Test Laboratory

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01

1.3 General Information of EUT

Type of Product: Wireless Sleep Monitor
Model Name: Prodigy 2 System
Model Number: Prodigy 2
Serial Number: HMU 9

Frequency Range: 2412-2472MHz
Data Modes: 802.11b – 1 Mbps (DSSS)
Antenna: Integral

Rated Voltage: 3.7 Vdc Battery
Test Voltage: 3.7 Vdc Battery

Sample Received Date: 3/21/2018

2 SAR Exclusion Calculations

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SAR test exclusion calculations

Section 4.3: General SAR test exclusion guidance / Section 4.3.1: Standalone SAR test exclusion considerations

	Input	Select Units										
Max Power:	3.2	dBm										
Min separation distance:	5	mm										
Frequency, f:	2442	MHz										
Value reference Number	Values used for Calculation	Reference number definition										
v1	2	mW	[max. power of channel, including tune-up tolerance, mW] 'Rounded to nearest mW									
v2	5	mm	[min. test separation distance, mm] 'Rounded to nearest mm									
v3	1.563		[f(GHz)]									
a) For 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following: $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR.}$												
1g Exclusion Threshold:	9.6	mW	$\leq 3 \cdot v2 / v3$									
10g Exclusion Threshold:	24.0	mW	$\leq 7.5 \cdot v2 / v3$									
Conclusions:		The EUT max power is BELOW the threshold. SAR Testing is NOT required for Body applications										
		The EUT max power is BELOW the threshold. SAR Testing is NOT required for Extremity applications										