

# RF Exposure Evaluation

**Project Number: 4261199**

**Report Number: 4261199EMC06      Revision Number: 0**

**Client: Younes Medical**

**Equipment Under Test: Wireless Sleep Diagnostics**

**Model Name: Prodigy 2 System**

**Model Number: Prodigy 2 (CMU)**

**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: CMU 7

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

### 447498 D01 General RF Exposure Guidance v06

#### 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:	3.4	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: $\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \cdot [f(\text{GHz})] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR,} \right.$			
1g Exclusion Threshold:	9.6 mW	$\leq 3 * v2 / v3$	
10g Exclusion Threshold:	24.0 mW	$\leq 7.5 * v2 / v3$	
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		