SGS

RF Exposure Evaluation

Project Number: **4503632 / 9099**

Report Number: **4503632EMC06**   **Revision Number: 0**

Client: **Prima-Temp, Inc**

Equipment Under Test: **Vaginal Core Body Temperature Sensor**

Model Name: **Priya Sensor**

Model Number: **PS-01**

FCC ID: **2AE3ZPTPL1007**

Applicable Standards: **47 CFR §§ 2.1093;**

FCC KDB 447498 D01 General RF Exposure Guidance v06

Report Issued On: **26 February 2020**

Test Result: **SAR Evaluation Exempt**

Tested by: _____
Aaron S. Froehlich, EMC Project Engineer

Reviewed by: _____
Stephen Whalen, Lab Manager

General Information

1.1 *Client Information*

Name: Prima-Temp, Inc
Address: 3100 Arapahoe Ave. Suite 500
City, State, Zip, Country: Boulder, CO 80303 USA

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*

Product Marketing Name (PMN):   Priya Sensor
Model Number (HVIN):   PS-01
Firmware Version ID (FVIN):   PSFW-01
Serial Number: NSN

Frequency Range: 2402 – 2480 MHz
Data Modes: Bluetooth Low Energy – GFSK
Antenna: Chip 2450AT18D0100E [1.5 dBi pk]

Rated Voltage: 3.1 Vdc Silver Oxide Battery
Test Voltage: 3.1 Vdc

Sample Received Date: 23 July 2019

SGS North America Inc.   Consumer and Retail   620 Old Peachtree Road NW, Suite 100, Suwanee, GA   30024   **t** (770) 570-1800   www.sgs.com

Member of the SGS Group (SGS SA)

2 SAR Exclusion Calculations

The highest output power in conjunction with the Upper and Lower frequency boundaries have been used to demonstrate compliance.
The DUT is considered implanted per FCC inquiry 330804 therefore KDB 447498 section 4.2.4 applies.
FCC Inquiry 330804 allows for source-based time average to be applied for this device.

The DUT has a maximum transmit time of 30 seconds within a one-hour period (0.83% Duty Cycle)

$$12.3 \; mW_{Max\;Power} * 0.0083 = 0.102 \; mW_{Source-based\;time\;average}$$

KDB 447498 Section 4.2.4
"When the aggregate of the maximum power available at the antenna port and radiating structures of an implanted transmitter, under all operating circumstances, is ≤ 1.0 mW, SAR test exclusion may be applied."

3 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	26 February 2020