RF Exposure Report

Project Number:	**4598567**	**Proposal Number:**	**10361 rev3**
Report Number:	**4598567EMC09**	**Revision Level:**	**1**

Client: **Owlet Baby Care Inc.**

Equipment Under Test: **Owlet Smart Sock V3**

Model: **OSS 3.0**

FCC ID: **2AIEP-OSS3A**

Applicable Standards: **47 CFR §§ 2.1093;**
FCC KDB 447498 D01 General RF Exposure Guidance v06

Report issued on: **07 July 2020**

Result: **Exempt**

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1 General Information

1.1 *Client Information*

Name:	Owlet Baby Care Inc.
Address:	2500 Executive Parkway Suite 500
City, State, Zip, Country:	Lehi, UT 84043, 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*

Equipment Under Test:	Owlet Smart Sock V3
Model:	OSS 3.0
Sample ID:	5220
FCC ID:	2AIEP-OSS3A
Frequency Range:	2402 – 2480 MHz
Data Modes:	Bluetooth Low Energy (GFSK)
Antenna:	Internal 3D Bent Metal Inverted F Antenna (-6.35 dBi)
Rated Voltage:	3.8 Vdc Rechargeable Lithium-Ion Coin Cell
Test Voltage:	3.8 Vdc Rechargeable Lithium-Ion Coin Cell
Sample Received Date:	02 March 2020
Dates of testing:	17 March 2020

2 SAR Exclusion Calculations

The highest output power in conjunction with the upper and lower frequency boundaries have been used to demonstrate compliance.

The EUT is considered an Extremity application.

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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:	7.1	dBm
Min separation distance:	5	mm
Frequency, f:	2480	MHz

Value reference Number	Values used for Calculation		Reference number definition
v1	5	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	1.575		*[√f(GHz)]*

a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR,

1g Exclusion Threshold:	9.5	mW	<== *3 * v2 / v3*
10g Exlusion Threshold:	23.8	mW	<== *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

3 Revision History

Revision Level	Description of changes	Revision Date
Draft	--	28 May 2020
Rev 0	Initial Release	05 June 2020
Rev 1	Added Sample ID in section 1.3	07 July 2020