RF Exposure Report

Project Number:	**5079617**	**Offer Number:**	**SUW-202212003799**
Report Number:	**5079617EMC09**	**Revision Level:**	**1**

Client: **Bright Uro**

Equipment Under Test: **Wireless, Catheter-Free, Urodynamic Monitoring System**
Model Name: **Atusa Male Sensor**
Model Number: **GUS-M-1000**
Referenced Model: **Atusa Female Sensor: GUS-F-1000**
FCC ID: **2BHMUGUS1000**
Module Model: **nRF52811**

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

Report issued on: **30 March 2024**
Report issued on: **07 April 2025**
Result: **Exempt from SAR evaluation**

FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01
This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

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1 General Information

1.1 *Client Information*

Name:	Bright Uro, Inc.
Address:	3 Goddard
City, State, Zip, Country:	Irvine, CA 92618 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
FCC Designation Number:	US1126

1.3 *General Information of EUT*

Type of Product:	Wireless, Catheter-Free, Urodynamic Monitoring System
Model Name:	Atusa Male Sensor
Model Number:	GUS-M-1000
Referenced Model:	Atusa Female Sensor: GUS-F-1000 (For reference only - Not Tested)
Serial Number:	DV0013 (Conducted Sample)
Module Models:	nRF52811
Frequency Range:	2402 – 2480 MHz
Data Modes:	Bluetooth Low Energy (BLE1M – GFSK)
Antenna:	Internal PCB Trace (0.5 dBi gain) *
Max Conducted Output Power:	Bluetooth LE: -0.39dBm
Sample Received Date:	13 November 2023, 15 March 2024
Dates of testing:	14 November 2023 to 15 March 2024

**Data was not measured by SGS laboratory and therefore not responsible for accuracy. Data obtained via customer, specification sheet, previous regulatory filing or other.*

1.4 *Separation Distance*

The closest exposure distance occurs when the sensor is inserted into the body. For this reason, the closest separation distance of 5mm was used to calculate the SAR exemption.

2 SAR Exclusion Calculations

The highest output power in conjunction with the Upper and Lower frequency boundaries have been used to demonstrate compliance for Bluetooth transmission mode. Simultaneous transmission is not possible.

The EUT is considered a body application.

Bluetooth LE (FCC ID: 2BHMUGUS1000)

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:	-1.47	dBm	
Duty Cycle:	100.0%		*<== Source based time average duty cycle*
Min separation distance:	5	mm	
Frequency, f:	2402	MHz	

Value reference Number	Values used for Calculation		Reference number definition
v1	1.000	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	1.550		*[√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,

Exclusion Calculation(1g):	0.3100	number	<== *[v2 / v3] must be less than 3*
Exclusion Calculation(10g):	0.3100	number	<== *[v2 / v3] must be less than 7.5*

Conclusions (Body):	The EUT max power is BELOW the threshold. SAR Testing is NOT required for Body applications
Conclusions (Extremity):	The EUT max power is BELOW the threshold. SAR Testing is NOT required for Extremity applications

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:	-0.39	dBm	
Duty Cycle:	100.0%		*<== Source based time average duty cycle*
Min separation distance:	5	mm	
Frequency, f:	2480	MHz	

Value reference Number	Values used for Calculation		Reference number definition
v1	1.000	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,

Exclusion Calculation(1g):	0.3150	number	<== *[v2 / v3] must be less than 3*
Exclusion Calculation(10g):	0.3150	number	<== *[v2 / v3] must be less than 7.5*

Conclusions (Body):	The EUT max power is BELOW the threshold. SAR Testing is NOT required for Body applications
Conclusions (Extremity):	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
0	Initial Release	30 March 2024
1	Sections 1.4 and 2 were updated	07 April 2025