EMC Test Data

Client:	Enovate Medical	Job Number:	PR085203
Model:	BLE LE Tag	T-Log Number:	TL085203
		Project Manager:	Deepa Shetty
Contact:	Cameron Boone	Project Coordinator:	Deniz Demirci
Standard:	FCC 15.247, RSS-247	Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

Objective: The objective of this test session is to perform engineering evaluation testing of the EUT with respect to the specification listed above.

Date of Test: 7/9/2018

Test Engineer: Deniz Demirci

General Test Configuration

Calculation uses the free space transmission formula:

$$S = (PG)/(4\ \pi d^2)$$

Where: S is power density (W/m^2), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with SAR exclusion at 5 mm separation:	Yes

Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.

FCC SAR Exclusion Calculation

Freq.	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Separation Distance	SAR Exclusion	SAR Exclusion Limit
MHz	dBm	mW*	dB	dBi	dBm	mW	(mm)	Calc.	
2480	4.2	3.0	0	-3.0	4.2	1.32	5.0	0.83	3.0

* calculated 2.6 mW rounded to 3 mW

ISED SAR Exclusion Calculation (Highest of output power or EIRP)

Freq.	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Separation Distance	Maximum Power or	SAR Exclusion Limit (mW)
MHz	dBm	mW*	dB	dBi	dBm	mW	(mm)	EIRP	
2480	4.2	2.6	0	-3.0	4.2	1.32	5.0	2.63	4.0

Note: 4.2 dBm: Measured power 3.2 dBm + 1 dB manufacturing tolerance.