



EMC Test Data

Client:	Enovate Medical	Job Number:	PR085203
Model:	BLE LE Tag	T-Log Number:	TL085203
Contact:	Cameron Boone	Project Manager:	Deepa Shetty
Standard:	FCC 15.247, RSS-247	Project Coordinator:	Deniz Demirci
		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
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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. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
2480	4.2	mW*	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. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	Maximum Power or EIRP	SAR Exclusion Limit (mW)
2480	4.2	mW*	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.