



EMC Test Data

Client:	Enovate Medical	PR Number:	PR106495
Model:	A0001923	T-Log Number:	TL106495-RANA
Contact:	Steven Godbey	Project Manager:	Deepa Shetty
Standard:	FCC 15.247, RSS 247, FCC 15B, ICES-003	Project Engineer:	Deniz Demirci
		Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Specific Details

Objective: Evaluate the RF Exposure requirements per FCC 1.1310, 2.1091, 2.1093 and RSS-102.

Date of Test: 1/13/2020

Test Engineer: Deniz Demirci

General Test Configuration

SAR exclusion calculation formula is from FCC KDB 447498 D01 section 4.3:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}]$$

Where: $f_{\text{(GHz)}}$ is the RF transmit channel frequency

Summary of Results

Device complies with SAR exclusion at 5 mm separation:	Yes
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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
	dBm	mW*							
2402	1.9	2.0	0	2.5	3.0	3.55	5	0.62	3.0
2440	1.8	2.0	0	2.5	3.0	3.55	5	0.62	3.0
2480	1.7	2.0	0	2.5	3.0	3.55	5	0.63	3.0

* Calculated 1.5 mW rounded to 2 mW

ISED Canada 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)
	dBm	mW*							
2402	1.9	1.5	0	2.5	1.9	2.75	5	2.75	4.0
2440	1.8	1.5	0	2.5	1.8	2.69	5	2.69	4.0
2480	1.7	1.5	0	2.5	1.7	2.63	5	2.63	4.0

Note: 1.9 dBm: Measured power 0.9 dBm + 1 dB manufacturing tolerance