

SAR Exposure Report

Test Report Number	AXN-24112031-LC-FCC-IC-RFEXP-ETS-02	
FCC ID	2AEEGTS	
IC	20225-TS	
Applicant	Axonics Modulation Technologies, Inc.	
Applicant Address	15515 Sand Canyon Ave, Irvine, CA 92618	
Product Name	External Pulse Generator (EPG)	
Model (s)	ETS-02	
Date of Receipt	07/15/2025	
Date of Test	07/15/2025- 70/20/2025	
Report Issue Date	07/30/2025	
Test Standards	47 CFR §2.1093 447498 D01 General RF Exposure Guidance v06 RSS-102 Issue 6 December 2023	
Test Result	PASS	
	Issued by: Vista Compliance Laboratories 1261 Puerta Del Sol, San Clemente, CA 92673 USA www.vista-compliance.com	
 Minoush Niknam (Test Engineer)		 David Zhang (Technical Manager)

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REVISION HISTORY

Report Number	Version	Description	Issued Date
AXN-24112031-LC-FCC-IC-RFEXP-ETS-02	01	Initial report	07/30/2025

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1 General Information

1.1 Applicant

Applicant	Axonics Modulation Technologies, Inc.
Applicant address	15515 Sand Canyon Ave, Irvine, CA 92618
Manufacturer	Axonics Modulation Technologies, Inc.
Manufacturer Address	15515 Sand Canyon Ave, Irvine, CA 92618

1.2 Product information

Product Name	External Pulse Generator (EPG)
Model Number	ETS-02
Family Models	N/A
Serial Number	ET-99999314
Frequency Band	MedRadio MEDS (MedRadio-WingBand) Radio Specifies (EPG) Supporting 401-402 MHz (Low Band), 405-406 MHz (High Band), with 150KHz channel spacing
Type of modulation	FSK
Equipment Type	Medical Devices Ultra Low Power Body Worn Device (ULP-BWD) EMC Emission Class B
Equipment Class	TNT
Radio type	MedRadio MEDS, (MedRadio-WingBand) Radio Specifies (EPG)
Antenna Information	Integral Antenna, antenna gain: -20 dBi
Clock Frequencies	N/A
Input Power	Internal battery 2.8 V (nominal)
Power Adapter Manufacturer/Model	N/A
Power Adapter SN	N/A
Hardware version	N/A
Software version	N/A
Additional Info	The Equipment Under Test (EUT) is an External Pulse Generator (EPG), a non-implantable, battery-powered medical device that operates solely on an internal battery and is externally attached to the body.

1.3 Test standard and method

Test standard	47 CFR §1.1310 47 CFR §2.1093 RSS-102 Issue 6 December 2023
Test method	47 CFR §1.1310 47 CFR §2.1093 447498 D01 General RF Exposure Guidance v06 RSS-102 Issue 6 December 2023

2 Test Site Information

Lab performing tests	Vista Laboratories, Inc.
Lab Address	1261 Puerta Del Sol, San Clemente, CA 92673 USA
Phone Number	+1 (949) 393-1123
Website	www.vista-compliance.com

Test Condition	Temperature	Humidity	Atmospheric Pressure
RF Testing	23.2°C	57.5%	996 mbar
Radiated Emission Testing	23.2°C	57.5%	996 mbar

3 FCC SAR Evaluation

3.1 FCC SAR Test Exemption

According to the procedure in KDB447498 (v06) section 4.3,

1g-SAR testing is excluded if the following criteria is met.

$$(P/d) \cdot \sqrt{f} \leq 3.0 \text{ for 1-g SAR}$$

10g-SAR testing is excluded if the following criteria is met.

$$(P/d) \cdot \sqrt{f} \leq 7.5 \text{ for 10-g SAR}$$

Where

P is the time averaged maximum conducted power in mW

d minimum separation distance in mm

f is the frequency in GHz

3.2 FCC SAR Test Exclusion Threshold Results

Frequency (MHz)	Max Conducted Output Power (dBm)	Measured EIRP (dBm) / (mW)	Maximum Source-based Duty Cycle (%)	Max source-based average output power (mW)	Measurement distance (mm)	Test Exclusion Threshold Result	Test Exclusion Limit
405.45	1.39	-17.03/0.02	100%	1.37	5	0.1744	3.0

Note:

- 1) Maximum output power please refer to RF test report: AXN-24112031-LC-FCC IC-TNT

Conclusion: EUT is exempted for FCC SAR test.

4 ISED SAR Evaluation

4.1 ISED Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1.

Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of ≤ 5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
≤300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of 30 mm	At separation distance of 35 mm	At separation distance of 40 mm	At separation distance of 45 mm	At separation distance of ≥ 50 mm
≤300	223 mW	254 mW	284 mW	315 mW	345 mW
450	141 mW	159 mW	177 mW	195 mW	213 mW
835	80 mW	92 mW	105 mW	117 mW	130 mW
1900	99 mW	153 mW	225 mW	316 mW	431 mW
2450	83 mW	123 mW	173 mW	235 mW	309 mW
3500	86 mW	124 mW	170 mW	225 mW	290 mW
5800	56 mW	71 mW	85 mW	97 mW	106 mW

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power. For controlled use devices where the 8W/kg for 1 gram of tissue applies, the exemption limits for routine evaluation in Table 1 are multiplied by a factor of 5. For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 are multiplied by a factor of 2.5. If the operating frequency of the device is between two frequencies located in Table 1, linear interpolation shall be applied for the applicable separation distance. For test separation distance less than 5 mm, the exemption limits for a Separation distance of 5 mm can be applied to determine if a routine evaluation is required.

4.2 ISED SAR Test Exclusion Threshold Results

Frequency (MHz)	Max Conducted Output Power (dBm)	Measured EIRP (dBm) / (mW)	Maximum Source-based Duty Cycle (%)	Time averaged source-based average output power (mW)	Separation distance (mm)	Exemption Limit (mW)
405.45	1.39	-17.03/0.02	100%	1.37	5	52 mW

Note:

- 1) Maximum output power please refer to RF test report: AXN-24112031-LC-FCC IC-TNT

Conclusion: EUT's time averaged output power is less than the exemption limit at 5 mm. EUT is exempted for ISED SAR test.

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