

RADIO TEST REPORT – APFWL

Type of assessment:

SAR Exemption report

Applicant:

Canary Medical USA LLC

Product:

Implant CTE

Model:

CTE

Model variant(s):

N/A

FCC ID: 2AYAJ-CTE1

Specifications:

- ◆ **FCC 47 CFR Part 2 Subpart J, §2.1093**
- ◆ **FCC KDB 447498 D01 General RF Exposure Guidance v06**

Attestation:

I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

Date of issue: **July 6, 2021**

Chip Fleury

Prepared by



Signature

Nemko Canada Inc., a testing laboratory, is accredited by the Standards Council of Canada.
The tests included in this report are within the scope of this accreditation.
The SCC Accreditation Symbol is an official symbol of the Standards Council of Canada, used under licence.

SCC File Number: 15064 (Ottawa/Almonte); 151100 (Montreal); 151097 (Cambridge)

Lab locations

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FCC Site Number	Test Firm Registration Number: 392943 Designation Number: US5058
ISED Test Site	2040B-3

Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025. All results contained in this report are within Nemko Canada's ISO/IEC 17025 accreditation.

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Section 1 Evaluation summary

SAR exemption for standalone transmission

1.1.1 References, definitions and limits

FCC §1.1307

(3) *Determination of exemption.* (i) For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

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4.2.4. Transmitters implanted in the body of a user When the aggregate of the maximum power available at the antenna port and radiating structures of an implanted transmitter, under all operating circumstances, is ≤ 1.0 mW, SAR test exclusion may be applied. 27 The maximum available output power requirement and worst case operating conditions must be supported by power measurement results, based on device design and implementation requirements, and fully justified in a SAR analysis report according to KDB Publication 865664 D02, in lieu of SAR measurement or numerical simulation.

1.1.2 EUT technical information

Type of EUT use	Med-Radio
Minimum separation distance	Implant
Highest operating frequency	405MHz
Antenna type	Integral
Antenna gain	Integral
Maximum transmitter conducted power	-20.2 dBm
Maximum system EIRP	0.0000095 (W)

1.1.3 Justification for Standalone SAR test exclusion

§1.1307 Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.

(3) Determination of exemption. (i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

KDB 447498 D01

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Test report CAAL0012.1 page 36 or 36 documents the worst case EIRP transmitter power to be -20.2 dBm or 0.0095mW.

0.0095mw is <<< 1mW therefore this device is exempt from SAR evaluation

1.1.4 Verdict

1.1.5

The calculation is below the threshold; therefore, the product is exempt from the SAR test requirements.

End of the test report