

RF Exposure Assessment

Product	Simulated Stethoscope
Name and address of the applicant	Laerdal Medical AS P.O. Box 377, Tanke Svilandsgate 30, 4002 Stavanger, Norway
Name and address of the manufacturer	Laerdal Medical AS P.O. Box 377, Tanke Svilandsgate 30, 4002 Stavanger, Norway
Model	Stethoscope by Laerdal (401-01050)
Rating	Internal battery 3.7 V
Trademark	
Additional information	Bluetooth Low Energy transceiver 2402-2480 MHz
Evaluated according to	FCC Part 1.1307(b) RF Exposure Assessment FCC KDB 447498 D01 v06 General RF Exposure Guidance RSS-102, Issue 6 Radio Frequency Exposure Compliance of Radiocommunication Apparatus
Order number	PRJ0079937
Issue date	2026-06-17
Name and address of the testing laboratory	 Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com CAB Number: FCC: NO0001 ISED: NO0470 ISED No: 2040D-1   An accredited technical test executed under the Norwegian accreditation scheme
 Jan G Eriksen C=NO, CN=Jan G Eriksen, OU=Senior Engineer, O=Nemko Scandinavia AS, E=jangunnar.eriksen@nemko.com 2026.06.17 06:38:47 +02'00'  Digitally signed by Frode Sveinsen DN: cn=Frode Sveinsen, c=NO, o=Nemko Scandinavia AS, ou=ETM, email=frode.sveinsen@nemko.com Location: Kjeller Date: 2026.06.17 09:10:42 +02'00' Prepared by [Jan G Eriksen] Approved by [Frode Sveinsen]	
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Revision history

Revision	Date	Comment	Sign
A	2026-05-11	First Edition	JGER
B	2026-06-09	IC included page 1 "Evaluation according to"	JGER
C	2026-06-17	Radiated power corrected for peak gain of antenna being used	JGER

GENERAL REMARKS

This report applies only to the sample(s) tested. It is the manufacturer's responsibility to ensure the additional production units of this product are manufactured with identical electrical and mechanical components. The manufacturer is solely responsible for any modifications to the product that could result in non-compliance with the relevant regulations.

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Opinions expressed within this report regarding general assessments and qualifications for PASS or FAIL to the standards limits and requirements are not part of the current accreditation. Neither are opinions expressed regarding model variants covered by the testing of this report.

1 Exposure Evaluation

1.1 EUT Technical Information

Name	Simulated Stethoscope
FCC ID	QHQ-STETH1
IC ID	20263-STETH1
Model/version	Stethoscope by Laerdal
Serial number	/
Hardware identity and/or version	Rev E
Software identity and/or version	V1.0.0
Frequency Range	2402-2480 MHz
Operating Modes	TX 2402-2480 MHz
Type of Modulation	GFSK
User Frequency Adjustment	None
Emission Class	F1E
Type of Power Supply	Internal Batteries (3.7V)
Antenna Type	PCB/Chip
Number of Antennas	1
Maximum Transmitted Power	3.4 mW *)
Prediction Distance (declared)	1.0 cm

*) Peak conducted power multiplied by antenna gain.

1.2 Evaluation Summary

The EUT has been evaluated to FCC 1.1307(b) and has been found to be exempt from SAR Evaluation.

FCC 1.1307(b)(3)(i)(B)			
Determination of Exemption for Single RF Sources			
Peak Output Power, Conducted		1.9	mW
Antenna gain		2.4	dBi
Peak Output Power, Radiated		3.4	mW
Separation Distance d (cm)(valid for d ≤40 cm)	d (cm)	1.0	cm
Frequency f (GHz) (valid for f ≥300MHz and f ≤6 GHz)	f (GHz)	2.4	GHz
ERP @20cm (mW)	ERP _{20cm}	3060	mW
value used in Threshold calculation	x	1.9	
Threshold value at Separation distance d (mW)	P _{th} (mW)	10.39	mW
Verdict:		EXEMPTED	

RSS-102 - Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus, clause 6.3 SAR exemption limits		
Determination of Exemption for Single RF Sources		
Peak Output Power, Conducted	1.9	mW
Antenna gain	2.4	dBi
Average Output Power, Radiated	3.4	mW
Separation Distance d (cm)(valid for $d \leq 40$ cm) d (cm)	1.0	cm
Frequency f (GHz) (valid for $f \geq 300$ MHz and $f \leq 6$ GHz) f (GHz)	2.4	GHz
Threshold value at Separation distance d (mW) P_{th} (mW)	7.0	mW
Verdict:		EXEMPTED

The above calculations are based on the formulas from FCC Part 1.1307(b)(3)(B).

Output Power values are from Nemko Test Report REP094257 RevB.

The evaluation is valid at the declared separation distance of 1.0 cm.