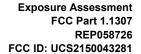




RF Exposure Assessment

Product Animal Monitoring Device Name and address of the **DeLaval International AB** applicant Gustav De Lavals väg 15 SE-14147 Tumba, Sweden Name and address of the **DeLaval International AB** manufacturer Gustav De Lavals väg 15 SE-14147 Tumba, Sweden Model AM2 Rating 3.0V_{DC} (Primary Battery Fuji CR8LHC) **Trademark** DeLaval **Additional information** 418MHz Evaluated according to FCC Part 1.1307(b) RF Exposure Assessment FCC KDB 447498 D04 Interim General RF Exposure Guidance v01 Order number PRJ0039211 Issue date 2024-09-10 Name and address of the testing laboratory Nèmko CAB Number: Nemko Scandinavia AS FCC: NO0001 Instituttveien 6 ISED: NO0470 2007 Kjeller, Norway ISED No: 2040D-1 www.nemko.com An accredited technical test executed under the Norwegian accreditation scheme Prepared by [Frode Sveinsen] This report was originally distributed electronically with digital signatures. For more information, please contact Nemko Scandinavia AS.

Template version: B





Revision history

Revision	Date	Comment	Sign
Α	2024-09-10	First Edition	FS

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.

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1 Exposure Evaluation

1.1 EUT Technical Information

Name	DeLaval
Model/version	AM2
FCC ID	UCS2150043281
Hardware identity and/or version	00
Software identity and/or version	1.1.0.5967
Frequency Range	417.33 – 418.32 MHz
Modulation	2-GFSK
Number of Antennas	1
Antennas	Integral Antenna
Antenna Diversity	No
Smart Antennas Supported	No
Type of Power Supply	Primary Battery (Fuji CR8LHC)
Reference to RF Test Report	REP041455

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							
Average Output Power, Conducted	3.20	mW					
Average Output Power, Radiated	0.08	mW					
Separation Distance d (cm)(valid for d ≤40 cm)	d (cm)	20.0	cm				
Frequency f (GHz) (valid for f≥300MHz and f≤6 GHz)	f (MHz)	418	MHz				
ERP @20cm (mW)	ERP _{20cm}	852.7	mW				
value used in Threshold calculation	X	0.96					
Threshold value at Separation distance d (mW) P _{th} (mW)			mW				
Verdict:		EXEMPTED					

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

Radiated Output Power values are from Nemko Test Report REP041455D.

The evaluation is valid at the declared separation distance of 20 cm.

References

- 1) OET Bulletin 65 Edition 97-01, August 1997
- 2) KDB 447498 D04 Interim General RF Exposure Guidance v01, November 29, 2021
- 3) Code of Federal Regulations, Title 47, FCC §1.1310
- 4) Code of Federal Regulations, Title 47, FCC Part 15C

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