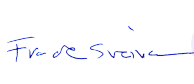


RF Exposure Assessment

Product	Virtual fence collar
Name and address of the applicant	Monil AS Strandveien 55 1366 Lysaker, Norway
Name and address of the manufacturer	Monil AS Strandveien 55 1366 Lysaker, Norway
Model	Moo-2
Rating	3.7V (Primary rechargeable battery pack 3.7V)
Trademark	
Additional information	Bluetooth Low Energy v5.1 LTE (4G) cellular modem
Evaluated according to	FCC Part 1.1310(e) RF Exposure Assessment ISED RSS-102, Issue 6 Radio Frequency (RF) Exposure Compliance of Radiocommunications Apparatus
Order number	PRJ0091299
Issue date	2026-04-15
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 2026.04.15 09:31:52 +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: 2026.04.15 14:16:24 +02'00' Prepared by [Jan G Eriksen] Prepared by [Frode Sveinsen]	
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Revision history

Revision	Date	Comment	Sign
A	2026-03-13	First Edition	JGER
B	2026-04-15	Editorials	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	Virtual fence collar
FCC-ID	FCC ID: 2BUHHAMOO2
ICED-ID	35117-AMOO2
Model/version	Moo-2
Hardware identity and/or version	B2
Software identity and/or version	git-sha 4877cd870f4b46a582540aa74db4b5b4c5a67157
Operating Modes	BLE and LTE transceiver
Type of Power Supply	Internal battery 3.7 V
Device Category	Mobile Device

Containing FCC ID	2ANPO00NRF9151
Containing IC ID	24529-NRF9151
Containing BLE module	see Nemko test report REP141316

Description of Tested Device(s)

The device is a virtual fence collar for livestock.

Evaluation Summary

Maximum whole body power density is calculated using formula 3) from OET Bulletin 65 Edition 97-01 (page 19):

$$S = \frac{PG}{4\pi R^2}$$

Where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

RF Function	BLE	LTE 02	LTE 04	LTE 05	LTE 12	LTE 13	LTE 25	LTE 26	Σ of MPE ratios
Frequency (MHz)	2440	1850.7	1710.7	824.7	699.7	777.7	1850.7	814.7	
Conducted Output Power (dBm)	3.70	21.00	21.00	21.00	21.00	21.00	21.00	21.00	
Tune Up Tolerance (dB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Output Power incl. Tune Up Tolerance (W)	0.002	0.126	0.126	0.126	0.126	0.126	0.126	0.126	
Antenna Gain (dBi)	2.40	2.40	2.40	1.10	1.10	1.10	2.40	1.10	
Antenna Gain (Numeric)	1.74	1.74	1.74	1.29	1.29	1.29	1.74	1.29	
Prediction Distance (cm)	20	20	20	20	20	20	20	20	
Time Averaged Duty Cycle (%)	100	100	50	100	100	100	100	100	
Calculated Power Density (W/m2)	0.008	0.435	0.218	0.323	0.323	0.323	0.435	0.323	
FCC Limit (W/m2)	10.000	10.000	10.000	5.498	4.665	5.185	10.000	5.431	
ISED Limit (W/m2)	5.409	4.477	4.243	2.577	2.303	2.476	4.477	2.556	
MPE ratio FCC (Power Density/Limit)	0.001	0.044	0.022	0.059	0.069	0.062	0.044	0.059	
MPE ratio ISED (Power Density/Limit)	0.001	0.097	0.051	0.125	0.140	0.130	0.097	0.126	
Worst Case MPE Ratio, FCC	0.001				0.069				0.070
Worst Case MPE Ratio, ISED	0.001				0.140				0.142

Duty Cycle is assumed to be 100%.

References

- 1) OET Bulletin 65 Edition 97-01, August 1997
- 2) KDB 447498 D01 General RF Exposure Guidance v06, October 23, 2015
- 3) Code of Federal Regulations, Title 47, FCC §1.131
- 4) ISED RSS-102, Issue 6
- 5) Nemko Report REP141316
- 6) VARIANT FCC RF Exposure Test Report PSU-QSU2404090210SA02