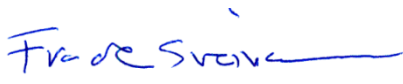


RF Exposure Assessment

Product	System for controlling and recording feed intake (CRFI)
Name and address of the applicant	BioControl AS Gautestadveien 75 1894 Rakkestad, Norway
Name and address of the manufacturer	BioControl AS Gautestadveien 75 1894 Rakkestad, Norway
Model	CRFI
Rating	100-240V AC, 50/60Hz ACDC converters to 24/13.2V DC
Trademark	
Additional information	134.2 kHz ISO reader
Evaluated according to	FCC Part 1.1307(b) RF Exposure Assessment FCC KDB 447498 D01 v06 General RF Exposure Guidance
Order number	449509
Issue date	2025-01-23
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
 Prepared by [Frode Sveinsen]	
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Revision history

Revision	Date	Comment	Sign
A	2025-01-23	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.

1 Exposure Evaluation

1.1 EUT Technical Information

Manufacturer	BioControl
Model	CRFI
FCC ID	VW2CRFI
Hardware version	WSS3000 1.07.PCB: Station control CRFI WSS Bootloader version 0.11 RS485 BlackBox0.03.PCB: Main control DLC0.02: Weighing cell controll StationController0.08: Antenna reader
Software version	PC Software: Version 4.4.0 WSS3000 version 6.5.11 BlackBox version 03.08.07 CRFI DLC v3 SCReader0.04 - For atxmega128A1. Main program uniread3.0 - For atmega32. RFID-program.
Frequency Range	134.2 kHz
Type of Modulation	AM/PSK when transmit/receive FDK, FSK when receive HDX
Number of Antennas	System consists of 2 separate transducers – each contained in a volum together with the loop antenna
Antennas Type	Loop Antenna
Antenna Connector	None
Type of Power Supply	110-240V AC AC/DC converts to 24V DC
Reference to RF Test Report	Nemko Report No. 449509-02-R01

Description of Test Item

The EUT is a system for control and recording of food intake (CRFI) consisting of controller units, weighing cells, RFID transceiver loop antenna, driver for loop antenna.

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)		
Determination of Exemption for Single RF Sources		
Measured field strength, Radiated @10m	78.5	dBμV/m
Calculated Average Output Power, Radiated	0.24	mW
Separation Distance d (cm)(valid for d ≤40 cm)	20	cm
Frequency f (MHz)	0.1342	MHz
Threshold ERP	1.0	mW
Verdict:	EXEMPTED	

Radiated Output Power values are from Nemko Test Report 449509-02-R01.

The evaluation is valid at any separation distance.

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 §1.1307(b)
- 4) Code of Federal Regulations, Title 47, FCC Part 15, Subpart C