



REPORT

issued by an Accredited Laboratory



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Tests on Activity meter system to FCC regulations (8 enclosures)

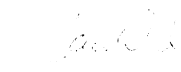
Test object

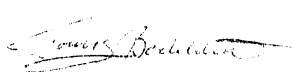
Activity meter tag (Transmitter) 906501-81
RF interface (Receiver) 906511-80

Summary

FCC Regulation	Compliant	Enclosure	Remarks
Title 47, Part 15 - Radio frequency devices.			
Transmitter			
Radiated emission	Yes	2	
Field strength of the fundamental	Yes	3	
Bandwidth of the emission	Yes	4	
Duration of the transmission	Yes	5	
Receiver			
Radiated emission	Yes	6	
Conducted emission	Yes	7	

SP Swedish National Testing and Research Institute EMC


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Test object-Technical description

Portable part

Activity meter tag	Transmitter
Frequency:	418 MHz
Power:	+ 2 dBm (according to data sheet)
Modulation:	On-Off Keyed
Power supply:	3 V DC (Lithium battery)

Fixed part

RF interface	Receiver
Frequency:	418 MHz
Modulation:	On-Off Keyed
Power supply:	14 V AC

Functional test equipment

Transformer Tufvasson 230 VAC/ 14 VAC 50 Hz type 906234-01 supplied by the manufacturer.
ALLPRO system processor type 909090-80 supplied by the manufacturer.

Emission measurement

Functional test mode during emission measurements:
The normal operation of the transmitter is to transmit once every hour. To be able to make the measurements, the transmitter used in the tests was programmed to transmit every second instead of every hour.

Uncertainties

Measurement and test instrument uncertainties are described in the quality assurance documentation "FEx-QD1 bilaga 8".

Delivery of test object

The test object was delivered by the client at the date of the test.

Test witness

Tomas Kjellberg, ALFA LAVAL AGRI AB

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