LCIE SUD EST
Laboratoire de Moirans
Z.I. Centr'Alp
170, Rue de Chatagnon
38430 MOIRANS - FRANCE

GENERAL INFORMATION

FCCID: **O9BARVAEVOBT**

1.1. Product description

1/ GETTING STARTED

1.1/ TECHNICAL CHARACTERISTICS

- Active interference management
- Automatic revert-to-transmit by motion sensor
- Power supply: 3 AAA/LR03 alkaline or lithium batteries
- Battery life in transmit mode: 350 h with alkaline batteries / 450h with lithium batteries
- Storage temperature range: -20 °C to +70 °C
- Operating temperature range: -20 °C to +45 °C
- Maximum altitude to function properly: 10 000 m
- Avalanche beacon / Frequency band : 456.9 - 457.1 kHz
- Avalanche beacon / Maximum power used : H-Field < 2.23 µA/m @ 10 m
- Bluetooth 2.4 GHz / Frequency band : 2.400 - 2.4835 GHz
- Bluetooth 2.4 GHz / Maximum power used : ERP < 100 mW

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1.2. Tested System Details

Equipment under test (EUT):

EVO BT **Serial Number: RF SIMPLE**

Power supply:
During all the tests, EUT is supplied by Vnom: 4.5 VDC
For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	☐ AC ☐ DC ☑ Battery	3*1.5 VDC		

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
No input or output						

Equipment information (declaration of provider):

EQUIPMENT INFORMATION				
RF module:	Not communicated			
Frequency Carrier:	[457 kHz]			
Sub-band REC7003:	ANNEX 2 – Band a2 [456.9-457.1kHz]			
RF mode:	☑Transmitter	☐Transceiver	☑Receiver	☐Standby
Antenna type:	☐External:		☑Internal:	
Antenna gain:	Not communicated			
Equipment location	☑ Mobile station	☐ Fixed station		
Extreme temperature range:	☐Category (General): -20°C to +50°C	☑ other*: From -30 to 55°C		
Extreme test source voltage:	☐±15%:	☑other*:	From 4.05VDC to 4.95VDC	
Rmq: ***ask from provider**				

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1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or/and ANSI C63.10, FCC Part 15 SubPart 15C.
Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed: **November 22, 2023 to November 24, 2023**

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 or/and ANSI C63.10.
This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55032/CISPR32 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.