



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

GENERAL INFORMATION

FCCID: O9BARVAEVO5

1.1. Product description

The EVO5, the latest arrival in our line of transceivers, capitalizes on ARVA's 35-year expertise to fit in the palm of your hand. Our R&D team pushed the size/performance ratio past the edge of the envelope to create a device that fits perfectly in your snow pants' pocket. With a 50m search strip width, group check, mark function, and an automatic revert-to-transmit mode, the EVO5 is jam packed with all of the essential functions needed to rescue an avalanche victim. Equipped with a backlit screen and a speaker that emits a precise, modulated beep, this transceiver will efficiently and effectively guide you to the burial zone.

ANTENNAS

- 3

FEATURES

- 50m search strip width
- Group Check, test transmit frequency and power
- Mark function
- Digital signal processing
- Multiple burial indicator (3+)
- Auto-test
- Automatic revert-to-transmit mode
- Interference management
- U-Turn alarm
- Backlit screen
- Weight: 170g (including wrist strap and batteries)

Data sheet of equipment



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1.2. Tested System Details

Equipment under test (EUT):

EVO5

Serial Number: E500102-0324



Equipment Under Test

Power supply:

During all the tests, EUT is supplied by V_{nom} : 1.5VDC

For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	Battery AA	1.5VDC	-	-

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
None						

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
None			



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2.2. EUT CONFIGURATION – RUNNING MODE

Hardware information			
Highest internal frequency (PLL, Quartz, Clock, Microprocessor...):	F _{Highest} :	48MHz	MHz
Firmware (if applicable):	V. :	O17189-1-34-A	
Software (if applicable):	V. :	O17190-105-E	
Frequency band:	<input checked="" type="checkbox"/> [457]kHz		
RF mode:	<input checked="" type="checkbox"/> Transmitter	<input type="checkbox"/> Transceiver	<input checked="" type="checkbox"/> Receiver <input type="checkbox"/> Standby
Type:	<input checked="" type="checkbox"/> Tracking, Tracing and Data Acquisition		<input type="checkbox"/> Other:
Bandwidth:	<input checked="" type="checkbox"/> Narrowband		
Equipment intended for use as a	<input type="checkbox"/> Fixed	<input type="checkbox"/> Mobile	<input checked="" type="checkbox"/> Portable
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined
Antenna Type:	<input type="checkbox"/> External		<input checked="" type="checkbox"/> Internal
Antenna connector:	<input type="checkbox"/> Permanent external	<input checked="" type="checkbox"/> Permanent internal	<input type="checkbox"/> None <input type="checkbox"/> Temporary (only for tests)
Duty cycle:	<input type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input checked="" type="checkbox"/> Continuous operation
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Prototype

Running mode n°1:

- EUT is set in ARVA transmitter mode

Running mode n°2:

- EUT is set in ARVA receiver mode

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: **March 19, 2019 to March 25, 2019**

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.