

GENERAL INFORMATION

FCCID: O9BARVAADV4

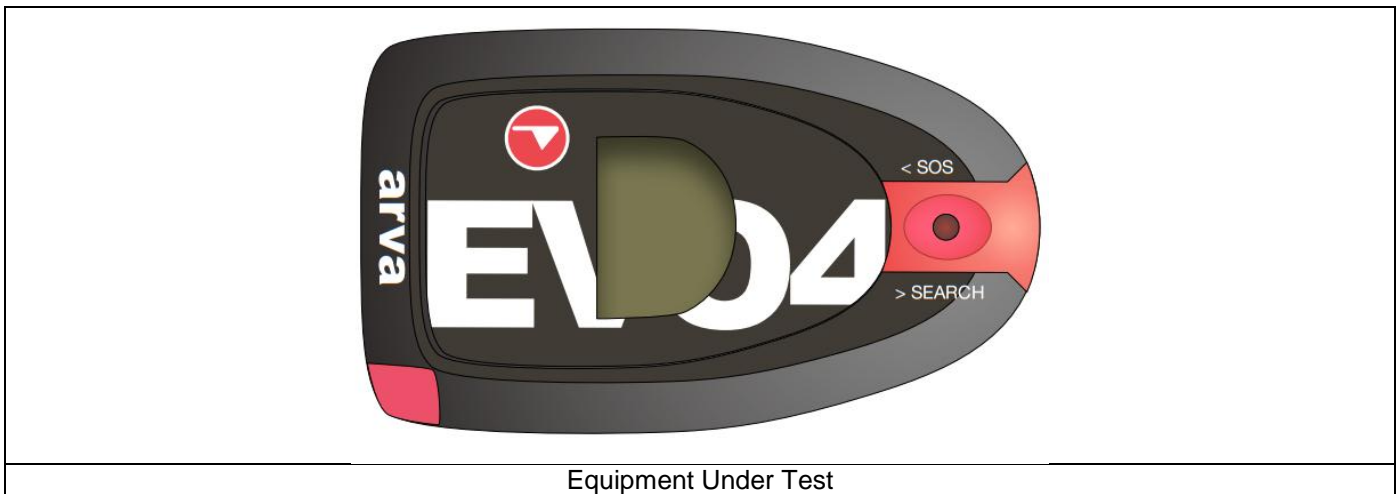
1.1. Product description

EVO4 will be upgraded in multiple victims searching with the integration of a central marking button. The digital display clearly indicates whether searching for one, two, or three plus other beacons, and victims can easily be managed in a search with this new button. Also, thanks to its "clip and safe" system the device will always be on when are wearing it.

Transceiver: 457 kHz, international frequency
 100% digital
 User friendly
 Erasing function for multiple victims situations
 Multiple victims icon 1, 2, 3 and +

The 3 inductor listen to the signal ARVA alternately during approximately 10ms.
 The modulation is a modulation OOK (ton = 70ms ; T = 900ms).

1.2. Tested System Details



Power supply:

During all the tests, EUT is supplied by V_{nom} : 6VDC
 For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	<input type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Battery	6Vdc (4 x LR03 batteries "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			



EQUIPMENT INFORMATION			
RF module:	NC		
Frequency Carrier:	[457 kHz		
Sub-band REC7003:	ANNEX 2 – Band A [456.9-457.1kHz]		
RF mode:	<input checked="" type="checkbox"/> Transmitter	<input type="checkbox"/> Transceiver	<input checked="" type="checkbox"/> Receiver <input type="checkbox"/> Standby
Antenna type:	<input type="checkbox"/> External:		<input checked="" type="checkbox"/> Internal:
Antenna gain:	NC		
Equipment location	<input checked="" type="checkbox"/> Mobile station		<input type="checkbox"/> Fixed station
Extreme temperature range:	<input checked="" type="checkbox"/> Category I (General) -20°C to +55°C	<input type="checkbox"/> Category II (Portable) -10°C to +55°C	<input type="checkbox"/> Category III (Indoor) +5°C to +35°C
Extreme test source voltage:	<input type="checkbox"/> ±10%:	<input checked="" type="checkbox"/> other: From 5.4VDC to 7.8VDC (+30% and – 10%) (Min: 3.6VDC, ask of provider)	
Equipment designed for continuous operation: NO, emitted each 750ms during 100ms (Declaration of provider)			

A special configuration of the EUT permits:

- Permanent emission of the carrier frequency with modulation
- Permanent RX mode

Inboard test firmware version: v1.5

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003, FCC Part 15 Subpart C.

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 on from January 27th to 29th , 2015.

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 C63.4-2003 in a letter dated March 25th, 2008 (registration number 94821). 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, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.