

Notified Body Statement of Opinion

The TCF listed below has been evaluated to the requirements of the
European R&TTE Directive 1999/5/EC

Applicant name: Radio Activity Srl
EUT: Radio Transceiver UHF
Model: KA-350, KA-450, KA-500
Frequency bands: 350 MHz to 410 MHz (KA-350)
400 MHz to 470 MHz (KA-450)
450 MHz to 528 MHz (KA-500)
TCF Number: KAIROS VERS.2
ACB Project Number: ATCB017440

ACB is designated as a Notified Body under the
U.S.-EU Mutual Recognition Agreement

ACB, Inc.
Notified Body Number 1588
6731 Whittier Avenue, Suite C110
McLean, VA 22101, USA

In the opinion of ACB the examination of the technical construction file presented demonstrates the requirements of Directive 1999/5/EC have been met. The product listed above and in Annex 1 of this document, is in conformity with Annex IV and the essential requirements of Articles 3.1a, 3.1b and 3.2 of Directive 1999/5/EC. This statement of opinion relates only to the documents provided to ACB. A list of documentation forming the basis for the examination is provided in Annex 2 of this document.



Notified Body: P.A.J.M. Robben

14 August 2015
Date



CE 1588

The project consists of three devices, all were UHF Transceivers.

The model KA-350 operated on channels in the range 350 MHz to 410 MHz.

The model KA-450 operated on channels in the range 400 MHz to 470 MHz.

The model KA-500 operated on channels in the range 450 MHz to 528 MHz.

The devices covered in this Notified Body opinion do not include a GNSS/GPS Receiver.

Details of operation:

Description of service:	UHF Transceiver, model KA-350
Transmit Frequency:	350 MHz to 400 MHz
Receive Frequency:	350 MHz to 400 MHz
Modulation:	FM, PM, 4FSK
Channels:	6.25 kHz, 12.5 kHz, 20 kHz, 25 kHz
Rated Power:	25 Watts, conducted
Antenna:	Not included

Description of service:	UHF Transceiver, model KA-450
Transmit Frequency:	400 MHz to 470 MHz
Receive Frequency:	400 MHz to 470 MHz
Modulation:	FM, PM, 4FSK
Channels:	6.25 kHz, 12.5 kHz, 20 kHz, 25 kHz
Rated Power:	25 Watts, conducted
Antenna:	Not included

Description of service:	UHF Transceiver, model KA-500
Transmit Frequency:	450 MHz to 526 MHz
Receive Frequency:	450 MHz to 526 MHz
Modulation:	FM, PM, 4FSK
Channels:	6.25 kHz, 12.5 kHz, 20 kHz, 25 kHz
Rated Power:	25 Watts, conducted
Antenna:	Not included

Annex 2 of NB Statement of Opinion
Number: KAIROS VERS.2 ATCB017440

- 1 Test Report:
- | | | |
|----------------|-------------------------------|-----------------------|
| EMC | Report number: EMCRT_141211_1 | Dated: 05 August 2015 |
| EMC | EMCRT_141219_1 | 05 August 2015 |
| EMC | EMCRT_141227_1 | 05 August 2015 |
| EMC | EMCTR_141202_2 | 25 February 2015 |
| Radio | ETSTR_141212_1 | 11 August 2015 |
| Radio | ETSTR_141220_1 | 11 August 2015 |
| Radio | ETSTR_141228_1 | 11 August 2015 |
| RF Safety | EMFTR_141312_1 | 11 August 2015 |
| RF Safety | EMFTR_141313_1 | 11 August 2015 |
| RF safety | EMFTR_141314_1 | 11 August 2015 |
| Product Safety | SAFTR_141201_1 | 06 August 2015 |
| Product Safety | SAFRT_141234_1 | 06 August 2015 |
- 2 Technical Documentation provided:
- | | | |
|----------------------|-----------------------|---------------------------|
| Block Diagram | Circuit Diagram | External Photographs |
| Internal Photographs | Label Drawing | Operational Description |
| Parts List | Technical Description | Test Reports |
| Test Photographs | User Manual | Declaration of Conformity |
- 3 Standards used to show conformity to 1999/5/EC:
- | | | |
|-----------------|--|---------------------|
| Radio Spectrum: | EN 300 113-1 V1.7.1 | EN 300 113-2 V1.5.1 |
| | EN 300 086-1 V1.4.1 | EN 300 086-2 V1.3.1 |
| EMC: | EN 301 489-1 V1.9.2 | EN 301 489-5 V1.3.1 |
| RF Safety: | EN 50385: 2002 | |
| Product Safety: | EN 60065: 2002 + A1: 2006 + A11: 2008 + A2: 2010 + A12: 2011 | |
- 4 Other Relevant Essential Requirements
- | | |
|---------------------------------------|-----|
| Art 6.3 Information to user provided: | Yes |
| Art 6.4 Alert Symbol required: | Yes |
| Art 12 CE Mark correct on device: | Yes |
- 5 Further information:
- This is a Class 2 device, requiring licensing.
- The appropriate conformity information; CE Mark, Notified Body number (1588) and Alert Symbol must be clearly displayed on the equipment label, the user manual and the packaging.
- A statement of compliance with Directive 1999/5/EC or a copy of the Declaration of Conformity must be provided with each device.
- Not all channels supported may be available in every EU member state and country notifications are necessary.
- RF Exposure boundary calculations to be calculated per installation, based on antenna gain.
- 6 Contact information:
- For contact with ACB or questions regarding this Statement of Opinion:
- | | | |
|---|--|-------------------------|
| Web: www.acbcert.com | e-mail: customerservice@acbcert.com | Tel.: (+1) 703 847 4700 |
|---|--|-------------------------|



CE 1588