

EXPERTISE

Expert Opinion of the Notified Body based on the Conformity Assessment according to
Annex IV of the R&TTE Directive 1999/5/EC

Eurofins Product Service GmbH

EU Identification Number **0681**

recognized by



Bundesnetzagentur

BNetzA-bS-02/51-53

Registration Number: **G0M20909-2565-C_rev01**

Certificate Holder: **RADIO ACTIVITY S.R.L., VIA PONTE NUOVO 8
20128 Milano (MI), ITALY**

Model Name: **RA-160**
Brand Name: **RADIO ACTIVITY SRL**

Product Description: **TRANSCEIVER
Private Land Mobile Radio**

Applied harmonised Standards: Safety/Health: EN 60065:2002+A1:2006
EMC: EN 301 489-5 V1.3.1:2002-08
EN 301 489-1 V1.8.1:2008-04
Radio: EN 300 086-2 V1.2.1:2008-09
EN 300 113-2 V1.4.1:2007-07

This certificate is issued in accordance with Annex IV of the R&TTE Directive 1999/5/EC of 9th March, 1999
and is only valid in conjunction with the following annex: - 1 -

Marking Example according to Article 12 of the R&TTE Directive:

CE0681!



Reichenwalde, 18 January 2010

Ort, Ausstellungsdatum
Place, Date of Issue

Unterschrift von/Signed by Jörg Kusig
Benannte Stelle/Notified Body



Eurofins Product Service GmbH

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Opinion on the essential requirements

Article 3.1a) Health and Safety	Limitation of exposure of the general public to electromagnetic fields not assessed
Article 3.1.b) electromagnetic compatibility	no remarks
Article 3.2 effective use of the radio spectrum	no remarks

Manufacturer(s)	RADIO ACTIVITY S.R.L. VIA PONTE NUOVO 8 20128 Milano (MI), ITALY
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System description

Frequency band(s)	145.000 - 174.000 MHz
Channels/ Channel spacing	up to 200 / 12.5, 20, 25 kHz programmable
Transmit power	25.47 W
Type of modulation	4FSK/GMSK/PM/FM
Type of antenna	connector
Mode of operation (simplex/duplex)	simplex/duplex
Comments	<p>Please note national restrictions and licence requirements</p> <p>In the case of radio equipment using frequency bands whose use is not harmonised throughout the Community, the manufacturer or his authorised representative established within the Community or the person responsible for placing the equipment on the market shall notify the national authority responsible in the relevant Member State for spectrum management of the intention to place such equipment on its national market. This notification shall be given no less than four weeks in advance of the start of placing on the market and shall provide information about the radio characteristics of the equipment (in particular frequency bands, channel spacing, type of modulation and RF-power) and the identification number of the notified body referred to in Annex IV or V.</p>

Technical Construction File

essential components of the technical construction file:

Test Report(s)	Safety:	SAF.TR.05.367 SAF.TR.09.0792_2 SAF.RT.05.888 RT.LVD.09.0788_0
	EMC:	EMC 09.0786-0
	Radio:	ETS090787_0; ETSTR_091366-1
User manual		RA-xxx Version 1.0
Technical Documentation		RA-160

including:	DSP module	Circuit diagram; PCB Layout; Part list
	I/O module	Circuit diagram; PCB Layout; Part list
	PSM module	Circuit diagram; PCB Layout; Part list
	RX module	Circuit diagram; PCB Layout; Part list
	TX module	Circuit diagram; PCB Layout; Part list

Declarations:	Acc. to Article 3.1a:	protection health/safety
	Acc. to Article 3.1b:	relating electromagnetic compatibility
	Acc. to Article 3.2:	relating radio spectrum

Obligations of the Certificate Holder

An opinion is valid at the time of issue and relates only to the situation at that time. It is the manufacturer's responsibility to seek an updated opinion if they believe that a change in design, manufacture, requirements or any other matter calls in to question the validity of the opinion.

In this sense, there is no "duration of validity" for a notified body opinion. It remains valid for so long as the circumstances relevant to its issue remain unchanged. If there is a change, then it is the responsibility of the manufacturer to determine the need for a new or updated opinion.

The Declaration of Conformity must be supplied with each product; it can be a separated leaflet or be printed in the users manual or packaging.

Equipment, which at the time of placing on the market contains as an integral part a R&TTE component, which should not be removed by the user, should be marked according to the R&TTE Directive. In addition in its user manual it should comply with the R&TTE Directive and e.g. indicate geographic limitations of use.