

1. Generally

The module is not sold separately and is exclusively used for systems of E-Chronos SA. The module is only used in professional industrial radio applications. For integration in host device this integration instructions define requirements for installation, safety instructions written in host manual and the labeling requirements. Changes or modifications made to this module not expressly approved by the party responsible for compliance may void the authorization to operate this equipment. The module is exclusively approved for the integration into host devices by the Grantee or his authorized OEM integrator.

2. FCC notes

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.1. Section 15.19

Changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2.2. Section 15.21 Statement

Changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2.3. Section 15.105(a) Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

3. RF exposure statement

This RF module will be integrated with internal and external antennas in different host devices. For each final host device the RF exposure conditions to comply with FCC / ISSED requirements will be individually defined and the user instructions of the host device will have appropriate installation or usage instructions. In general, the final host device will be used in such a manner that the potential for human contact including by-standers during normal operation is minimized.

4. Intergration instructions for host product

4.1. List of applicable FCC rules

FCC
47CFR Part 15C

4.2. Specific operational use conditions

Depending on the used antenna type (internal / external) the RF Module can be either integrated in portable or mobile/fixed categorized host devices.

The maximum allowed antenna gain is 6,0 dBi.

RF Exposure considerations must be done for each individual host type/antenna combination.

The module is a class A device in terms of §15.3 (h).

4.3. Limited module procedures

This RF module is exclusively approved for the integration into host devices by the Grantee or his authorized OEM integrator.

4.4. RF exposure consideration

For all final host devices the RF exposure are observed in integration process. A distinction is drawn between portable device and mobile/fixed device.

For portable device:

For any application the necessary separation distance between the radiating part (antenna) and the human body incl. bystander will be calculated based on the module output power in combination with the antenna gain of the used antenna and position with respect to FCC KDB447498 and ISED RSS-102.

For mobile/fixed device:

The device is categorized as mobile/fixed where a minimum separation distance of >20 cm between the antenna and any human body is assured during normal operating conditions.

For RF exposure the following RF Exposure Warning will be included:

“To comply with FCC RF exposure compliance requirements, the antenna must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter”.

4.5. Antennas

The antenna that is used in connection with radio module depends on host device (e.g. portable, mobile fixed device).

All usable antennas are provided by E-Chronos SA.

4.6. Statements for host manual

Statement FCC §15.105 for host manual

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this

equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Modification statement, FCC §15.21

In the host manual the following statement will be included:

“Changes or modifications made to this equipment not expressly approved by the party responsible for compliance may void the FCC authorization to operate this equipment.”

Marking statement, FCC ID information

In the host manual the following statement will be included:

“The host device provides the FCC ID information of its embedded RF module in the form of the following outside marking: *Contains FCC ID: 2A2B4-36915V3* “