RS262

Regulatory Information *v1.0*

The RS262 holds current certifications in the following countries:

Country/Region	Regulatory ID
USA (FCC)	SQG-RS262
Canada (ISED)	3147A-RS262
Australia (AS)	*No Regulatory ID required
New Zealand (NZS)	*No Regulatory ID required

Indicates countries where Ezurio has conducted testing and evaluation in accordance with local regulatory requirements; however, a regulatory ID is not available for OEM use. Comprehensive test reports and other relevant documentation can be accessed on the Ezurio website.

1 Certified Antennas

The antennas listed below were tested for use with the RS262. The OEM can choose a different manufacturer's antenna but must make sure it is of same type and that the gain is less than or equal to the antenna that is approved for use.*

***Note:** Japan (MIC) lists applicable antennas on its certificates. If your antenna is not on the approved list, regardless of whether it is comparative, it must be added to the certificate before it can be used in Japan.

Manufacturer	Model	Part #	Type	Connector	Frequency Range	Peak Gain (dBi)
Ezurio	902-928MHz LoRA	N/A	PCBA Monopole Loaded Stub "L"	N/A	902-928MHz	0.9
Ezurio	Lyra24S PCB Trace Antenna	N/A	PCB Trace Antenna	N/A	2.402 - 2.480 GHz	1.8

2 Documentation Requirements

To ensure regulatory compliance, when integrating the RS262 into a host device, it is necessary to meet the documentation requirements set forth by the applicable regulatory agencies. The following sections outline the information that may be included in the user's guide and external labels for the host devices into which the RS262 is integrated.

3 FCC Regulatory

Model	Part Number	US/FCC
RS262-EXT	450-00133-K1	SQG-RS262
RS262-INT	450-00104-K1	SQG-RS262

3.1 Antenna Information

The RS262 family has been designed to operate with the antennas listed below.

Manufacturer	Model	Part #	Type	Connector	Frequency Range	Peak Gain (dBi)
Ezurio	902-928MHz LoRA	N/A	PCBA Monopole Loaded Stub "L"	N/A	902-928MHz	0.9
Ezurio	Lyra24S PCB Trace Antenna	N/A	PCB Trace Antenna	N/A	2.402 - 2.480 GHz	1.8

3.2 FCC Documentation Requirements

Federal Communication Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in an installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

FCC Radiation Exposure Statement

This product complies with the FCC RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Further RF exposure reduction can be achieved if the product is kept as far as possible from the user body or is set to a lower output power if such function is available.

3.2.1 SAR Exclusion Limit

Mode of Operation	Calculated Power	Minimum Separation distance
LoRaWAN	200.0 mW	≥60mm
BLE	9.12 mW	≥5mm

3.2.2 FCC MPE Calculation Simultaneous Transmission

Part Number	Mode of Operation	Sum of Power Density Ratios	Separation distance
450-00133-K1 450-00104-K1	LoRaWAN + BLE	0.75	≥60mm

3.3 End-Product Labeling

The end product is labeled in a visible area with the following ***FCC ID:*** *SQG-RS262*

3.4 Manual Information to the End User

The user manual shall include all required regulatory information/warning as shown in this document. Specifically, the information outlined **FCC Interference Statement**, **FCC Caution Statement** and **FCC Radiation Exposure Statement**.

4 Industry Canada Statement

Model	Part Number	Canada/IC
RS262-EXT	450-00133-K1	3147A-RS262
RS262-INT	450-00104-K1	3147A-RS262

4.1 Antenna Information

This radio transmitter (IC: 3147A-RS262) *was approved by* Innovation, Science and Economic Development (ISED) Canada to operate with the antenna types listed below, with the maximum permissible gain indicated.

Le présent émetteur radio (IC: 3147A-RS262) *a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal.*

Manufacturer	Model	Part #	Type	Connector	Frequency Range	Peak Gain (dBi)
Ezurio	902-928MHz LoRA	N/A	PCBA Monopole Loaded Stub "L"	N/A	902-928MHz	0.9
Ezurio	Lyra24S PCB Trace Antenna	N/A	PCB Trace Antenna	N/A	2.402 - 2.480 GHz	1.8

4.2 ISED Canada Statement

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. *l'appareil ne doit pas produire de brouillage;*
2. *l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

4.3 Radiation Exposure Statement

The product complies with the Canada RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The minimum separation distance for the product is limited to ≥80mm. Further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

4.4 Déclaration d'exposition aux radiations:

Ce produit est conforme à la limite d'exposition aux radiofréquences (RF) canadienne définie pour un environnement non contrôlé et est sûr pour l'utilisation prévue, telle que décrite dans ce manuel. La distance minimale de séparation du produit est ≥ 80 mm. Une réduction supplémentaire de l'exposition aux RF peut être obtenue en maintenant le produit le plus loin possible de l'utilisateur ou en réglant l'appareil sur une puissance de sortie inférieure, si cette fonction est disponible.

4.5 End-Product Labeling

The end product is labeled in a visible area with the following: ***IC:*** 3147A-RS262

4.6 Plaque signalétique du produit final

Le produit final est étiqueté dans une zone visible avec les éléments suivants : ***IC:*** 3147A-RS262

4.7 Manual Information to the End User

The end user manual shall include all required regulatory information/warning as shown in this document

4.8 Manuel d'information à l'utilisateur final

Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce document.

4.9 ICES-003 Issue 7 Compliance Statement

This device was tested and found to be compliant to the requirements of ICES-003, Issue 7, Information Technology Equipment (Including Digital Apparatus).

5 Australia and New Zealand Regulatory

RCM: Compliant to standards AS/NZS 4268: 2017+Amd 1:2021, AS/NZS 2772.2:2016+ Amd 1:2018, EN 300 328 V2.2.2 (2019-07), and EN 300 220-2 V3.2.1 (2018-06), EN 300 220-1 V3.1.1 (2017-02), FCC Part 15 and ANSI C63.10: 2020

5.1 Antenna Information

The RS262 was tested with antennas listed below.

Manufacturer	Model	Part Number	Type	Connector	Frequency Range	Peak Gain (dBi)
Ezurio	902-928MHz LoRA	N/A	PCBA Monopole Loaded Stub "L"	N/A	902-928MHz	0.9
Ezurio	Lyra24S PCB Trace Antenna	N/A	PCB Trace Antenna	N/A	2.402 GHz - 2.480 GHz	1.8

5.2 Labeling Requirements

RCM - **R**egulatory **C**ompliance **M**ark

- The compliance label applied to the external surface of the packaging used for the device must:
  - occupy an area that is greater than 1% of that external surface;
  -  be clearly visible.
- The compliance label must be durable.
- A compliance label must be applied to a device:
  - permanently; or
  - in a way that makes removal or obliteration difficult.

R-NZ- Regulatory Mark for New Zealand when not harmonized with Australia.

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6 Regulatory Domain Support

Domain support but not currently certified for – TBD

7 Revision History

Version	Date	Notes	Contributor(s)	Approver
1.0	10 Sep 2025	Initial version	Tom Smith	Brian Petted

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