

# RM1262 Series

## Regulatory Information

v1.1

### 1 CURRENT REGULATORY CERTIFICATIONS

The RM1262 holds current certifications in the following countries:

Country/Region	Regulatory ID
USA (FCC)	SQG-RM1262
Canada (ISED)	3147A-RM1262
Australia (AS)	N/A
New Zealand (NZS)	N/A

### 2 CERTIFIED ANTENNAS

The antennas listed below were tested for use with the RM1262. 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 Number	Type	Connector	Frequency Range	Peak Gain (dBi)
Embedded Antenna Design (EAD)	BKR915	FBKR35301-RS-KR	Dipole	RP-SMA	902-928MHz	2
Chang Hong Information	GSM-8696-2	GSM-8696-2	Dipole	RP-SMA	860-960MHz	2
Linx	OC-LG Series	ANT-916-OC-LG-RPS	Dipole	RP-SMA	895-935MHz	2.2
Linx	OC-LG Series	ANT-868-OC-LG-RPS	Dipole	RP-SMA	862-876MHz	0.4
Laird Connectivity	800FlexPIFA	EFB8555A3S-15MH4L	PIFA	I-PEX MHF4L	863-870MHz	-1.1
Laird Connectivity	900FlexPIFA	EFG9020A3S-15MH4L	PIFA	I-PEX MHF4L	902-928MHz	-0.1
Laird Connectivity	i-800FlexPIFA	EFG8555A3S-15MH4L	PIFA	I-PEX MHF4L	863-870MHz	-0.4
Laird Connectivity	i-900FlexPIFA	EFG9020A3S-15MH4L	PIFA	I-PEX MHF4L	902-928MHz	0.5
Laird Connectivity	i-900FlexPIFA	EFG9020A3S-15MH4L	PIFA	I-PEX MHF4L	902-928MHz	0.5
Laird Connectivity	868/915 MHz FlexDIPOLE	EFH8631A3S-10MH4L	Dipole	I-PEX MHF4L	863-928MHz	1.9 (863-870MHz) 2.4 (902-928MHz)

### 3 DOCUMENTATION REQUIREMENTS

To ensure regulatory compliance, when integrating the RM1262 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 RM1262 is integrated.

## 4 FCC REGULATORY

Compliant to:

- 47 CFR FCC Part 2.1091
- 47 CFR FCC Part 15.247
- FCC Part 15, Subpart B, Class B

Model	US/FCC
RM1262	SQG-RM1262

### 4.1 Antenna Information

The RM1262 family has been designed to operate with the antennas listed below.

Manufacturer	Model	Part Number	Type	Connector	Frequency Range	Peak Gain (dBi)
Embedded Antenna Design (EAD)	BKR915	FBKR35301-RS-KR	Dipole	RP-SMA	902-928MHz	2
Chang Hong Information	GSM-8696-2	GSM-8696-2	Dipole	RP-SMA	860-960MHz	2
Laird Connectivity	900FlexPIFA	EFB9020A3S-15MH4L	PIFA	I-PEX MHF4L	902-928MHz	-0.1
Laird Connectivity	i-900FlexPIFA	EFG9020A3S-15MH4L	PIFA	I-PEX MHF4L	902-928MHz	0.5
Laird Connectivity	868/915 MHz FlexDIPOLE	EFH8631A3S-10MH4L	Dipole	I-PEX MHF4L	863-928MHz	2.4 (902-928MHz)

**Note:** The OEM is free to choose another vendor's antenna of like type and equal or lesser gain as an antenna appearing in the table and still maintain compliance. Reference FCC Part 15.204(c)(4) for further information on this topic.

## 4.2 FCC Documentation Requirements

### Federal Communication Commission 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 US portable 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.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following condition:

1. The transmitter module may not be co-located with any other transmitter or antenna,

If the condition above is met, further transmitter testing is not required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this installed module.

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### **IMPORTANT NOTE:**

If this condition cannot be met (for example, certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID **cannot** be used on the final product. In these circumstances, the OEM integrator is responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

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### End-Product Labeling

The end product must be labeled in a visible area with the following: **Contains FCC ID: SQG-RM1262**

### Manual Information to the End User

The OEM integrator must be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

## 5 INDUSTRY CANADA STATEMENT

Compliant to:

- RSS-102 Issue 5, Amendment 1, (2-2-2021)
- RSS-247 Issue 2 February 2017

Model	Canada/IC
RM1262	3147A-RM1262

### 5.1 Antenna Information

This radio transmitter (IC: 3147A-RM1262) was approved by Innovation, Science and Economic Development (ISED) Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio (IC: 3147A-RM1262) 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. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Model	Manufacturer	Type	Connector	Peak Gain (dBi)
BKR915 – FBKR35301-RS-KR	Embedded Antenna Design (EAD)	Dipole	RP-SMA	2 dBi
OC-LG Series – ANT-916-OC-LG-RPS	Linx	Dipole	RP-SMA	2.2 dBi
900 MHz FlexPIFA – EFB9020A3S-15MH4L	Laird Connectivity	PIFA	IPEX MHF4L	-0.1 dBi
900 MHz i-FlexPIFA – EFG9020A3S-15MH4L	Laird Connectivity	Inverted PIFA	IPEX MHF4L	0.5 dBi
868/915 MHz FlexDIPOLE - EFH8631A3S-10MH4L	Laird Connectivity	Dipole	IPEX MHF4L	2.4 (902-928MHz)

### 5.2 ISED Canada Statement

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

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.

#### Radiation Exposure Statement

The product complies with the Canada portable 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 portable use is limited to 15mm assuming use of antenna with 2 dBi of gain. The 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.

#### Déclaration d'exposition aux radiations:

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé. La distance de séparation minimale pour l'utilisation portative est limitée à 15mm en supposant l'utilisation de l'antenne avec 2 dBi de gain. Le produit est sûr pour un fonctionnement tel que décrit dans ce

manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

This device is intended only for OEM integrators under the following conditions:

1. The transmitter module may not be co-located with any other transmitter or antenna.

If the condition above is met, further transmitter testing is not required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes:

1. Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

*Tant que les 1 condition ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.*

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#### **IMPORTANT NOTE:**

If this condition cannot be met (for example, certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID **cannot** be used on the final product. In these circumstances, the OEM integrator is responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

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#### **NOTE IMPORTANTE:**

*Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.*

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### **End-Product Labeling**

The final end product must be labeled in a visible area with the following: **Contains IC: 3147A-RM1262**

#### **Plaque signalétique du produit final**

*Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: **Contient des IC: 3147A-RM1262***

### **Manual Information to the End User**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

#### **Manuel d'information à l'utilisateur final**

*L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.*

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

## **5.3 ICES-003 Issue 7 Compliance Statement**

This device was originally tested to the requirements of ICES-003 Issue 6, Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement; and evaluated to the updates published in ICES-003, Issue 7, Information Technology Equipment (Including Digital Apparatus). Based on this evaluation, this product continues to observe compliance to the requirements set forth by The Innovation, Science and Economic Development Canada (ISED), and complies with the updates published in ICES-003, Issue 7, Information Technology Equipment (Including Digital Apparatus).

## 6 AUSTRALIA AND NEW ZEALAND REGULATORY

RCM: Compliant to standards AS/NZS 2772.2:2016 Amd 1:2018 and 4268:2017+Amd 1:2021.

If this device is used in a product, the OEM has responsibility to verify compliance of the final end product to the Australia/New Zealand (RCM) Standards. All end-products require their own certification (SDoc). You will not be able to leverage the module certification and ship product into the country.

## 7 REGULATORY DOMAIN SUPPORT

Domain support but not currently certified for – TBD

## 8 REVISION HISTORY

Version	Date	Notes	Contributor(s)	Approver
1.0	9 Aug 2023	Initial version	Brian Petted	Jonathan Kaye
1.1	13 Feb 2024	Certified antenna updated	Senthooran Ragavan	Jonathan Kaye