

SU60-SOMC and SU60-SOMC-2G

Regulatory Information

v1.0

The **SU60-SOMC** and **SU60-SOMC-2G** holds current certifications in the following countries:

Country/Region	Regulatory ID
USA (FCC)	SQG-SU60SOMC
Canada (ISED)	3147A-SU60SOMC
UK (UKCA)	*No Regulatory ID required
EU	*No Regulatory ID required
Japan (MIC)	003-180100
Taiwan (NCC)	CCAK25Y10281T8 (SU60-SOMC) CCAK25Y10280T6 (SU60-SOMC-2G)
Korea (KC)	R-C-LAI-SU60-SOMC
Australia (AS)	*No Regulatory ID required
New Zealand (NZS)	*No Regulatory ID required
Brazil	02556-25-10188

*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 **SU60-SOMC** and **SU60-SOMC-2G**. 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), South Korea (KCC), Taiwan (NCC), 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.

Manufacturer	Model	Part Number	Type	Connector	Frequency Range	Peak Gain (dBi)
TE Connectivity	2.4/5.5 GHz Dipole Antenna	001-0009	Dipole	RP-SMA	2.4-2.5GHz	2.0
					5.15-5.85 GHz	2.0
Ezurio (Laird Connectivity)	Mini NanoBlade Flex	MAF95310	PCB Dipole	IPEX U.FL	2.4-2.5 GHz	2.8
					4.9-5.875 GHz	3.4
Ezurio (Laird Connectivity)	FlexPIFA Dual Band	001-0016	PIFA	IPEX U.FL	2.4-2.48 GHz	2.5
					4.9-5.9 GHz	3.0
Ezurio (Laird Connectivity)	Nanoblade	CAF94505	PCB Dipole	IPEX MHF4L	2.4-2.5 GHz	2.0
					5.15-5.35 GHz	3.9
					5.6-6 GHz	4.0
Ezurio (Laird Connectivity)	Dual-Band FlexMIMO	EFD2455A3S-10MHF1	PIFA	IPEX U.FL	2.4-2.48 GHz	2.0
					4.9-5.9 GHz	3.0
KYOCERA AVX (Ethertronics)	Stamped Metal	1000146	IMD	IPEX U.FL	2.4-2.485 GHz	2.5
					5.150-5.825 GHz	3.5
KYOCERA AVX (Ethertronics)	Prestta WLAN Embed	1001733	IMD	IPEX U.FL	2.4-2.5GHz	1.5
					4.9-5.9 GHz	3.8
KYOCERA AVX (Ethertronics)	Prestta WLAN Embed	1001735	IMD	IPEX U.FL	2.4-2.5GHz	0.5
					4.9-5.9 GHz	4.2

2 Documentation Requirements

To ensure regulatory compliance, when integrating the **SU60-SOMC** and **SU60-SOMC-2G** into a host device, it is necessary to meet the documentation requirements set forth by the applicable regulatory agencies. The following sections (FCC, ISED Canada, European Union, and others) outline the information that may be included in the user's guide and external labels for the host devices into which the **SU60-SOMC** and **SU60-SOMC-2G** is integrated.

3 FCC Regulatory

Model	Part Number	US- FCC ID
SU60-SOMC	453-00003, 453-00137	SQG-SU60SOMC
SU60-SOMC-2G	453-00004, 453-00138	SQG-SU60SOMC

3.1 Antenna Information

The **SU60-SOMC** and **SU60-SOMC-2G** family has been designed to operate with the antennas listed below.

Manufacturer	Model	Part Number	Type	Connector	Frequency Range	Peak Gain (dBi)
TE Connectivity	2.4/5.5 GHz Dipole Antenna	001-0009	Dipole	RP-SMA	2.4-2.5GHz 5.15-5.85 GHz	2.0 2.0
Ezurio (Laird Connectivity)	Mini NanoBlade Flex	MAF95310	PCB Dipole	IPEX U.FL	2.4-2.5 GHz 4.9-5.875 GHz	2.8 3.4
Ezurio (Laird Connectivity)	FlexPIFA Dual Band	001-0016	PIFA	IPEX U.FL	2.4-2.48 GHz 4.9-5.9 GHz	2.5 3.0
Ezurio (Laird Connectivity)	Nanoblade	CAF94505	PCB Dipole	IPEX MHF4L	2.4-2.5 GHz 5.15-5.35 GHz 5.6-6 GHz	2.0 3.9 4.0
Ezurio (Laird Connectivity)	Dual-Band FlexMIMO	EFD2455A3S-10MHF1	PIFA	IPEX U.FL	2.4-2.48 GHz 4.9-5.9 GHz	2.0 3.0
KYOCERA AVX (Ethertronics)	Stamped Metal	1000146	IMD	IPEX U.FL	2.4-2.485 GHz 5.150-5.825 GHz	2.5 3.5
KYOCERA AVX (Ethertronics)	Prestta WLAN Embed	1001733	IMD	IPEX U.FL	2.4-2.5GHz 4.9-5.9 GHz	1.5 3.8
KYOCERA AVX (Ethertronics)	Prestta WLAN Embed	1001735	IMD	IPEX U.FL	2.4-2.5GHz 4.9-5.9 GHz	0.5 4.2

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.

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.

This transmitter has been evaluated as a mobile device with a minimum separation distance of 20cm as noted on the FCC grant of authorization. The transmitter should be installed and operated with a minimum distance of 20cm between the radiator and any operator or bystander.

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.

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.

3.3 End-Product Labeling

The end product must be labeled in a visible area with the following: **Contains FCC ID: SQG-SU60SOMC**

3.4 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 shown in this manual. Specifically, the information outlined **FCC Interference Statement, FCC Caution Statement and FCC Radiation Exposure Statement**.

4 Innovation, Science and Economic Development (ISED) Canada Statement

Model	Part Number	HVIN	Canada- IC Number
SU60-SOMC	453-00003, 453-00137	SU60-SOMC	3147A-SU60SOMC
SU60-SOMC-2G	453-00004, 453-00138	SU60-SOMC-2G	3147A-SU60SOMC

4.1 Antenna Information

This radio transmitter (IC: **SU60-SOMC** and **SU60-SOMC-2G**) 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: **SU60-SOMC** and **SU60-SOMC-2G**) 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.

Manufacturer	Model	Part Number	Type	Connector	Frequency Range	Peak Gain (dBi)
TE Connectivity	2.4/5.5 GHz Dipole Antenna	001-0009	Dipole	RP-SMA	2.4-2.5GHz	2.0
					5.15-5.85 GHz	2.0
Ezurio (Laird Connectivity)	Mini NanoBlade Flex	MAF95310	PCB Dipole	IPEX U.FL	2.4-2.5 GHz	2.8
					4.9-5.875 GHz	3.4
Ezurio (Laird Connectivity)	FlexPIFA Dual Band	001-0016	PIFA	IPEX U.FL	2.4-2.48 GHz	2.5
					4.9-5.9 GHz	3.0
Ezurio (Laird Connectivity)	Nanoblade	CAF94505	PCB Dipole	IPEX MHF4L	2.4-2.5 GHz	2.0
					5.15-5.35 GHz	3.9
					5.6-6 GHz	4.0
Ezurio (Laird Connectivity)	Dual-Band FlexMIMO	EFD2455A3S-10MHF1	PIFA	IPEX U.FL	2.4-2.48 GHz	2.0
					4.9-5.9 GHz	3.0
KYOCERA AVX (Ethertronics)	Stamped Metal	1000146	IMD	IPEX U.FL	2.4-2.485 GHz	2.5
					5.150-5.825 GHz	3.5
KYOCERA AVX (Ethertronics)	Prestta WLAN Embed	1001733	IMD	IPEX U.FL	2.4-2.5GHz	1.5
					4.9-5.9 GHz	3.8
KYOCERA AVX (Ethertronics)	Prestta WLAN Embed	1001735	IMD	IPEX U.FL	2.4-2.5GHz	0.5
					4.9-5.9 GHz	4.2

4.2 ISED Canada Statement

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

This device complies with Innovation, Science and Economic Development (ISED) 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 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 mobile use is limited to 20cm, assuming use of antenna with 2.79 dBi of gain at 2.4GHz, 4.2 dBi of gain at 5.5 GHz. 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.

4.4 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 une utilisation mobile est limitée à 20 cm en supposant l'utilisation d'une antenne avec 2.79 dBi de gain à 2,4 GHz, 4.2 dBi de gain à 5,5 GHz. 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.

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.

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.

4.5 End-Product Labeling

The final end product must be labeled in a visible area with the following: **Contains IC: 3147A-SU60SOMC**

4.6 Plaque signalétique du produit final

Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: **Contient des IC: 3147A-SU60SOMC**

4.7 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.

4.8 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.

4.9 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).

Note: Please reference Declaration of Continued Compliance letter for the ICES-003 for the **SU60-SOMC and SU60-SOMC-2G**.

4.10 Déclaration de conformité à la norme ICES-003, édition 7

Cet appareil a été initialement testé conformément aux exigences de la norme ICES-003, édition 6, Équipement de technologie de l'information (y compris les appareils numériques) — Limites et méthodes de mesure; et évalué selon les mises à jour publiées dans la norme ICES-003, édition 7, Équipement de technologie de l'information (y compris les appareils numériques). Sur la base de cette évaluation, ce produit demeure conforme aux exigences établies par Innovation, Sciences et Développement économique Canada (ISDE) et respecte les mises à jour publiées dans la norme ICES-003, édition 7, Équipement de technologie de l'information (y compris les appareils numériques).

Remarque : Veuillez vous référer à la lettre de Déclaration de conformité continue relative à la norme ICES-003 pour le **SU60-SOMC and SU60-SOMC-2G**.

4.11 RSS-102 Issue 6 Compliance Statement

This device was originally tested to the requirements of RSS-102 Issue 5, Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands); and evaluated to the updates published in RSS-102, Issue 6, Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands). 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 RSS-102, Issue 6, Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands).

Note: Please reference Declaration of Continued Compliance letter for the RSS-102 for the **SU60-SOMC and SU60-SOMC-2G**.

4.12 Déclaration de conformité à la norme RSS-102, édition 6

Cet appareil a été initialement testé conformément aux exigences de la norme RSS-102, édition 5, Conformité à l'exposition aux radiofréquences (RF) des appareils de radiocommunication (toutes les bandes de fréquences); et évalué selon les mises à jour publiées dans la norme RSS-102, édition 6, Conformité à l'exposition aux radiofréquences (RF) des appareils de radiocommunication (toutes les bandes de fréquences). Sur la base de cette évaluation, ce produit demeure conforme aux exigences établies par Innovation, Sciences et Développement économique Canada (ISDE) et respecte les mises à jour publiées dans la norme RSS-102, édition 6, Conformité à l'exposition aux radiofréquences (RF) des appareils de radiocommunication (toutes les bandes de fréquences).

Remarque : Veuillez vous référer à la lettre de Déclaration de conformité continue relative à la norme RSS-102 pour le **SU60-SOMC and SU60-SOMC-2G**.

4.13 RSS-247 Issue 4 Compliance Statement

This device was originally tested to the requirements of RSS-247 Issue 3 Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices; and evaluated to the updates published in RSS-247, Issue 4, Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands. 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 RSS-247, Issue 4, Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands.

Note: Please reference Declaration of Continued Compliance letter for the RSS-247 for the **SU60-SOMC and SU60-SOMC-2G**.

4.14 Déclaration de conformité à la norme RSS-247, édition 4

Cet appareil a été initialement testé conformément aux exigences de la norme RSS-247, édition 3, Systèmes de transmission numérique (DTS), systèmes à saut de fréquence (FHS) et dispositifs de réseau local exemptés de licence (LE-LAN); et évalué selon les mises à jour publiées dans la norme RSS-247, édition 4, Systèmes de transmission numérique, systèmes à saut de fréquence et dispositifs de réseau local exemptés de licence dans les bandes de 902–928 MHz, 2400–2483,5 MHz, 5150–5350 MHz et 5470–5895 MHz.

Sur la base de cette évaluation, ce produit demeure conforme aux exigences établies par Innovation, Sciences et Développement économique Canada (ISDE) et respecte les mises à jour publiées dans la norme RSS-247, édition 4, Systèmes de transmission numérique, systèmes à saut de fréquence et dispositifs de réseau local exemptés de licence dans les bandes de 902–928 MHz, 2400–2483,5 MHz, 5150–5350 MHz et 5470–5895 MHz.

Remarque : Veuillez vous référer à la lettre de Déclaration de conformité continue relative à la norme RSS-247 pour le **SU60-SOMC and SU60-SOMC-2G**.

5 Regulatory Domain Support

Domain support but not currently certified for – TBD

6 Revision History

Version	Date	Notes	Contributor(s)	Approver
1.0	22 Nov 2024	Initial version	Tom Smith	

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