User Manual

UNIGEN CORP. WIRELESS MODULE PRODUCTS

ARES: UGWSX931SM0033U ATHENA: UGWSX933SM0033U

Low Power Integrated UHF Transceivers

USER MANUAL

ARES FCC ID: R8KUGWSX931 ATHENA FCC ID: R8KUGWSX931

ARES IC ID: 5125A-UGWSX931 ATHENA IC ID: 5125A-UGWSX931

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ELIGIBILITY REQUIREMENTS FOR REGULATORY MODULE APPROVAL

The Unigen UGWSX933SM0033U WiFi module (the "UGWSX933SM0033U") marketed under the name APOLLO, is a device that transmits and receives radio signals in accordance with the spectrum regulations for the 2.4-GHz unlicensed frequency range. Regional regulatory agency approval may be required to operate UGWSX933SM0033U throughout the world.

For purposes of ease of integration, time to market, and product surety, Unigen submitted UGWSX933SM0033U to relevant agencies and obtained regulatory approvals for specific countries. UGWSX933SM0033U was approved under the "Modular Approval (MA) Grant". This certification represents a significant cost savings to the OEM.

The radio certification portion of this grant is transferable to Digital Electronic Device manufacturers given adherence to specific implementation criteria noted herein. Any modification of the UGWSX933SM0033U will void the manufacturer's warranty. Any alteration or deviation from the documented installation and/or use of the UGWSX933SM0033U will void the MA Grant as it applies to the end-product.

In the event the Digital Electronic Device manufacturer alters the herein described and approved installation of the UGWSX933SM0033U, the end-product may require a complete battery of regulatory agency certification test Digital Electronic Device manufacturer may be required to submit to a complete battery of tests, depending on the requirements noted in the region they wish to sell their product.

The MA Grant provides that Digital Electronic Device manufacturers who incorporate UGWSX933SM0033U *as tested and approved*, and can be relieved from having to perform the Radio Regulatory certification portion of the respective agency certification.

The MA Grant is valid only in countries that recognize the MA Grant certification process. Countries currently accepting the MA Grant include; the USA, Canada, and many European countries as noted in the General User Guide Requirements Section of this document. Terms and conditions of regulatory approval for these countries are also described herein. However, this "grandfathered" radio certification does *not* relieve the Digital Electronic Device manufacturers from submitting their device for digital emissions certifications.

Electronic device manufacturers may disregard the requirements of this section provided they accept full responsibility for regulatory type-approval of the electronic device with an integrated UGWSX933SM0033U wireless module.

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User Guide Information

Electronic device manufacturers using Unigen's Modular Approval are required to place the below text in their product user's guide in accompaniment with other regulatory information. The text may be disbursed according to language or geographic regions if desired, but the *exact text* shown below must be maintained.

United States of America Requirements

The following text must be copied exactly into the products user's guide:

"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.

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

General User Guide Requirements

The following countries associated regulatory agencies recognizing the noted certifications for this product as authorized for sale and use are:

USA	Canada	Belgium
Denmark	France	Finland
Germany	Italy	Netherlands
Spain	Sweden	UK

This list will be updated to reflect additional grants obtained or needed in future revisions.

Note: As of the date of publication, Japan does not recognize the "Modular Approval" certification. Regulatory certification for Japan (TELEC) must be acquired through typical approval procedures. These approvals are the sole responsibility of the OEM. Unigen may recommend, upon request, TELEC certified laboratories capable of facilitating the appropriate test procedures for the UGWSX933SM0033U.

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Topics Not Covered

Topics that not covered in this manual include:

- Standard type approval for any country
- > Japan's (TELEC) regulatory approvals

United States Regulatory Approval FCC Modular Approval (MA)

The requirements for FCC Modular Approval were released in June 2000 in the FCC's Public Notice: FCC Public Notice DA 00-1407, Part 15 Unlicensed Modular Transmitter Approvals.

Design Criteria for Modular Approval

General Conditions

The following conditions must be strictly adhered to for modular approval:

- 1. No modification to the module including the circuitry is permitted
- 2. The design criteria including antenna, interconnects and transmission line
- 3. Testing of the final device configuration for Digital Emissions Compliance

The UGWSX933SM0033U may not be altered or modified in any way by the OEM or other integrator(s). Additionally, no component(s) may be added which change the radio frequency (RF) characteristics. These include unintentional or spurious emissions, immunity, ESD characteristics, or other items commonly associated with RF devices. This includes all components; passive and active (such as RF filters, RF amplifiers, RF switches, etc). Additionally, no RF components may be placed between the RF output of the UGWSX933SM0033U and the antenna.

Antennae

The antennae listed in the UGWSX933SM0033U datasheet have been qualified and approved for use under the Modular Approval certification. These antennae are designed to be compatible with the RF transmission line impedance and frequency range of the UGWSX933SM0033U. These antennae may not be modified or altered in any way from the original design as represented in the antenna datasheets as supplied by the manufacturer.

The antennas selected have been specifically tested with the UGWSX933SM0033U, and they are certified through the regulatory agencies in the US, Canada, and European Union for authorized use. Use of antennas in a platform other than the antennas selected by Unigen voids the MA grant for that platform.

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Antenna Interconnect & Impedance

Unigen has pre-qualified antennas that integrate the connectors, transmission line and the antenna. UGWSX933SM0033U requires the use of a ½ wavelength dipole, 902-928MHz frequency range, with a VSWR no greater than 2.0 and having a maximum output no greater than +2dBi The transmission line must be designed to be 50-Ohm impedance.

Physical Implementation

The physical implementation of the RF transmission line must conform to the following guidelines:

• Coaxial Cable: A coaxial of varying length may be used providing the impedance measures 50 +/- 2 ohms and is non-radiating. Best practice RF engineering suggests the cable should be kept to the minimum length required to satisfy the application. Excessive cable and interconnect loss may adversely effect the effective transmission and reception range of the end product.

Emissions Compliance Testing

Notwithstanding the Modular Approval for the Radio Device with associated antenna, the end product configuration must meet digital emissions compliance and must be tested in accordance with FCC Part 15 requirements confirming radiated emissions are within specified limits.

Applicable sections include:

• Part 15 Section 15.109 Sub-paragraph A, Class B Radiated Emission Limits

These emissions tests can be conducted by the manufacturer or by contacting an approved test facility equipped and certified accordingly. The results of these emissions tests are not required to be submitted to the FCC or Unique, but should be kept on file by the OEM.

Co-location of Additional Transmitters

Digital Electronic Devices manufacturers using this MA grant should refer to Appendix B (FCC Grant #) for end-products using two or more co-located RF transmitters. This grant states:

"This modular transmitter is approved for use in Digital Electronic Devices and may operate in conjunction with other mobile and portable transmitters in the same device; provided, the other mobile and portable transmitters have satisfied the appropriate RF exposure requirements contained in the FCC rules. The grantee must also provide Digital Electronic Device integrators, or end users if marketed directly to end users, with installation and operating instructions for satisfying RF exposure requirements. The Grantee must

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inform second manufacturers/installers that in order for this module to be operated in any configuration other than that permitted in the preceding sentences, a separate FCC equipment authorization must be obtained for each device into which this module is installed."

This modular approval is granted provided Digital Electronic Devices manufacturers assume responsibility for ensuring that other transmitters operating in conjunction with the UGWSX933SM0033U comply with RF exposure requirements associated with their use. The use of one or more additional RF transmitters will require review by the FCC and may require end-product re-certification, including the UGWSX933SM0033U to ensure emissions compliance and RF safety. It is the sole responsibility of the Digital Electronic Device manufacturer to obtain end-product regulatory compliance for configurations including two or more RF transmitters.

Product Labeling Requirements

FCC product labeling requirements stipulate an FCC label, including specific text, be placed on the device containing the UGWSX933SM0033U module. The product label must include the following text and must be affixed to the exterior of the OEM's product. The text should be located beneath the FCC compliance logo.

"Module FCC ID: R8KUGWSX931"

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INDUSTRY CANADIAN REGULATORY APPROVAL

Industry Canada regulatory approval typically conforms to the FCC in terms of emission levels and other regulatory requirements. It is the position of the Industry Canada agency that the OEM primarily responsibility for ensuring end product compliance. Unigen as grantee and supplier of the module maintains responsibility for the Modular Approved design.

Design Criteria for Modular Approval

General Conditions

The following conditions must be strictly adhered to for modular approval:

- 1. No modification to the module including the circuitry is permitted
- 2. The design criteria including antenna, interconnects and transmission line
- 3. Testing of the final device configuration for Digital Emissions Compliance

The UGWSX933SM0033U may not be altered or modified in any way by the OEM or other integrator(s). Additionally, no component(s) may be added which change the radio frequency (RF) characteristics. These include unintentional or spurious emissions, immunity, ESD characteristics, or other items commonly associated with RF devices. This includes all components; passive and active (such as RF filters, RF amplifiers, RF switches, etc). Additionally, no RF components may be placed between the RF output of the UGWSX933SM0033U and the antenna(e) except the RF interconnect transmission line.

Antennae

The antennae listed in the UGWSX933SM0033U datasheet have been qualified and approved for use under the Modular Approval certification. These antennae are designed to be compatible with the RF transmission line impedance and frequency range of the UGWSX933SM0033U. These antennae may not be modified or altered in any way from the original design as represented in the antenna datasheets as supplied by the manufacturer.

The antennas selected have been specifically tested with the UGWSX933SM0033U, and they are certified through the regulatory agencies in the US, Canada, and European Union for authorized use. Use of antennas in a platform other than the antennas selected by Unigen voids the MA grant for that platform.

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Solutions for a Real Time World Antenna Interconnect & Impedance

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Unigen has pre-qualified antennas that integrate the connectors, transmission line and the antenna. UGWSX933SM0033U requires the use of a $\frac{1}{2}$ wavelength dipole, 902-928MHz frequency range, with a VSWR no greater than 2.0 and having a maximum output no greater than +2dBi The transmission line must be designed to be 50-Ohm impedance.

Physical Implementation

The physical implementation of the RF transmission line must conform to the following guidelines:

• **Coaxial Cable:** A coaxial of varying length may be used providing the impedance measures 50 +/- 2 ohms and is non-radiating. Best practice RF engineering suggests the cable should be kept to the minimum length required to satisfy the application. Excessive cable and interconnect loss may adversely effect the effective transmission and reception range of the end product.

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Solutions for a Real Time World <u>Emissions Compliance Testing</u>

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Notwithstanding the Modular Approval for the Radio Device with associated interconnect and antennae, the end product configuration must meet digital emissions compliance and must be tested in accordance with Industry Canada RSS-210 (Low Power License-Exempt Radio communication Devices) requirements confirming radiated emissions are within specified limits.

Applicable sections include:

Part 15 Section 15.109 Sub-paragraph A, Class B Radiated Emission Limits

These emissions tests can be conducted by the manufacturer or by contacting an approved test facility equipped and certified accordingly. The results of these emissions tests are not required to be submitted to the FCC or Unigen, but should be kept on file by the OEM.

Note:

Industry Canada generally follows the guidelines of the FCC for emissions level requirements. FCC end-product compliance certification results may be used to satisfy Industry Canada requirements. Please consult the Industry Canada, RSS 210 specifications to confirm interagency compliance. If comparable FCC testing has not been performed or if the specifications are not cross compliant, RSS 210 testing will be required.

Product Labeling Requirements

Industry Canada product labeling requirements stipulate specific text be placed on the device containing the UGWSX933SM0033U module. The product must include the following text and must be located on the exterior of the OEM's product. This same information must be included in the product user manual.

"IC: 5125A-UGWSX931"

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EUROPEAN UNION REGULATORY APPROVAL

The requirements for EU Regulatory Approval were released in April 2000 in the EU R&TTE Directive.

This directive supports self directed testing and certification for "harmonized" bands within OEM facilities or by third party. In the case of WiFi, standards have become harmonized (although frequencies are not). The R&TTE directive no longer requires a Technical Construction File however; frequency notification to EU countries is still applicable.

Article 6 of the R&TTE directive states: "The manufacturer or the person responsible for placing the apparatus on the market provides information for the user on the intended use of the apparatus, together with the declaration of conformity to the essential requirements."

Ensuring regulatory compliance of the end product is the sole responsibility of the OEM. Unigen maintains responsibility for conformance of the UGWSX933SM0033U, the interconnect, and the antennae, as the manufacturer.

The R&TTE directive maintains that first level compliance be reviewed by a "Notified Body" prior to general product marketing. This is not mandatory, but reduces the risk of the product being challenged for non-compliance. Although not specifically stated in the R&TTE Directive, corrections of non-compliance issues are the responsibility of the end product manufacturer.

Design Criteria for Modular Approval

General Conditions

The following conditions must be strictly adhered to for modular approval:

- 1. No modification to the module including the circuitry is permitted
- 2. The design criteria including antennas, interconnects and transmission line
- 3. Testing of the final device configuration for Digital Emissions Compliance

The UGWSX933SM0033U may not be altered or modified in any way by the OEM or other integrator(s). Additionally, no component(s) may be added which change the radio frequency (RF) characteristics. These include unintentional or spurious emissions, immunity, ESD characteristics, or other items commonly associated with RF devices. This includes all components; passive and active (such as RF filters, RF amplifiers, RF switches, etc). Additionally, no RF components may be placed between the RF output of the UGWSX933SM0033U and the antenna(e) except the RF interconnect transmission line.

Antennae

The antennae listed in the UGWSX933SM0033U datasheet have been qualified and approved for use under the Modular Approval certification. These antennae are designed to be compatible with



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the RF transmission line impedance and frequency range of the UGWSX933SM0033U. These antennae may not be modified or altered in any way from the original design as represented in the antenna datasheets as supplied by the manufacturer. The antennas selected have been specifically tested with the UGWSX933SM0033U, and they are certified through the regulatory agencies in the US, Canada, and European Union for authorized use. Use of antennas in a platform other than the antennas selected by Unigen voids the MA grant for that platform.

Regulator Used.

In order to leverage the FCC/IC modular approval, the host system/system integrator must use the XC6204B302MR (Mfg: Torex: 3.0V fixed regulator SOT23-5 package) regulator.

Antenna Interconnect & Impedance

Unigen has pre-qualified antennas that integrate the connectors, transmission line and the antenna. UGWSX933SM0033U requires the use of a $\frac{1}{2}$ wavelength dipole, 902-928MHz frequency range, with a VSWR no greater than 2.0 and having a maximum output no greater than +2dBi The transmission line must be designed to be 50-Ohm impedance.

Physical Implementation

The physical implementation of the RF transmission line must conform to the following guidelines:

• **Coaxial Cable:** A coaxial of varying length may be used providing the impedance measures 50 +/- 2 ohms and is non-radiating. Best practice RF engineering suggests the cable should be kept to the minimum length required to satisfy the application. Excessive cable and interconnect loss may adversely effect the effective transmission and reception range of the end product.

Emissions Compliance Testing

The end-product configuration must meet digital emissions compliance and must be tested in accordance with the European Union standards ETSI 300 328 and ETSI 300 826 (Electromagnetic Compatibility). Detailed European Union documents may be obtained from the web location:

http://europa.eu.int/comm/enterprise/rtte/infor.htm

These emissions tests can be conducted by the manufacturer or by contacting an approved test facility equipped and certified accordingly. The results of these emissions tests are not required to be submitted to the FCC or Unigen, but should be kept on file by the OEM.

Note:

The European Union generally follows the guidelines of the FCC for emissions level

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requirements. FCC end-product compliance certification results, if available, may be used to satisfy EU requirements (Substitution Method). Please consult the ETSI 300 328 specifications to confirm inter-agency compliance. If comparable FCC testing has not been performed or if the specifications are not cross compliant, ETSI 300 328 testing will be required. Additionally, testing to the ETSI 301 489-17 (immunity testing) is strongly recommended. Unigen assumes no responsibility for compliance of the end-product configuration.

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Exterior Labeling Requirements

European Union product labeling requirements stipulate specific text is placed on the device containing the UGWSX933SM0033U module. The product must include the following text and must be located on the exterior of the OEM's product. This same information may be included in the product user manual, however is not mandatory. Packaging and user documentation must indicate the use restrictions of the end-product (i.e. countries disallowing the operating frequencies of the UGWSX933SM0033U).



Note:

The end-product must be labeled "CE" and an exclamation mark to the right of the CE mark should have; '!' with a circle around it. The exclamation mark designates a non-harmonized frequency band.

United States and International Type Approval (Standard Regulatory Equipment Certification)

OEMs may need to obtain standard equipment regulatory agency certification as previously noted herein, and for end-product deployment in countries where Modular Approval is not recognized, or for implementations using non-certified antennae or interconnections.

The details of standard equipment regulatory compliance are beyond the scope of this document. OEMs needing standard equipment regulatory testing or who need council for determining regional requirement should contact approved certification and test service providers accordingly.

The following test house(s) have been identified by Unigen to assist in both US and International approval processes. This list is by no means complete or preferential:

1. Pending

Filing with certification facilities typically requires the submission of technical information (ie block diagrams, schematics, etc.) pertinent to the radio portions of the R8KUGWSX931. Unique will provide assistance in obtaining such documents when required by the OEM.

CONTACT INFORMATION

Outside of the United States of America:

To locate in-country Unigen distributors of the UGWG4US, please refer to the Unigen Website www.unigen.com. These distributor(s) represent local contacts for this product.

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APPENDIX A:

Agency Certifications:

Agency	Test Performed	Туре	Limit	Result	Margin
EU	Radiated Spurious	30-12.75MHz Transmit Mode	EN 300 328	Pending	Pending
	Emissions	30-12.75MHz Transmit Mode	EN 300 328	Pending	Pending
		30 25,000 Spurious Emissions	FCC Part	Pending	Pending
			15.209/15.249(a)		
		6dB Bandwidth	15.249(a)	Pending	Pending
FCC		99% Bandwidth	IC RSS-210	Pending	Pending
15.249	Radiated Emissions	Output Power	15.249(a)	Pending	Pending
13.249				Pending	Pending
		Bandedge	FCC Part 15.209	Pending	Pending
			/15.247(d)		
		Out of band	15.249(d)	Pending	Pending
	Radio Performance Test	Output Power, Power spectral density	EN 300 328-1	Pending	Pending
		at normal conditions			
		Frequency Range at normal	EN 300 328-1	Pending	Pending
		conditions			
EU		Output Power over extreme	EN 300 328-1	Pending	Pending
		conditions			
		Frequency Range over extreme	EN 300 328-1	Pending	Pending
		conditions			
		Conducted spurious emissions, 30MHz	EN 300 328-1	Pending	Pending
		- 12750MHz, transmit mode			
		Conducted spurious emissions, 30MHz	EN 300 328-1	Pending	Pending
		- 12750MHz, receive/stand-by mode			
	Radiated Spurious Emissions	30 - 12,750 MHz -Spurious Emissions	EN 300 328 V1.2.1	Pending	Pending
		Transmit Mode			
		30 - 12,750 MHz -Spurious Emissions	EN 300 328 V1.2.1	Pending	Pending
		Receive Mode			

Table 5 - Regulatory Agency Certifications

Regulatory Compliance Statement:

The Unigen APOLLO UGWSX933SM0033U WiFi module has been tested against the relevant requirements of standards: EN 300 328, EN 301 489-17, FCC part 15 and Industry Canada RSS-210. The module is certified by the regulatory authorities in the USA and Canada and complies with the applicable essential requirements of the Radio & Telecommunication Terminal Equipment (R&TTE) directive in the EU. The module can thus be incorporated into products sold worldwide with little or no additional testing of the module itself. The end product must meet the appropriate technical requirements that apply to that product type but re-certification of the radio module is not required in the USA and Canada. In the EU, the integrator is responsible for evaluating their product type per the essential performance requirements of the R&TTE directive (except those associated with the module), declaring compliance and then notifying the member states prior to marketing the product (because the module uses a frequency band that is not harmonized in the EU). It is the responsibility of the module integrator to obtain the necessary approvals to sell products incorporating this module in other countries outside of North America and the EU. The report of measurements performed on the module in compliance with the FCC rules and EN standards can be used in these submittals (as the requirements in many other markets around the world are based in part or in whole on the standards prevalent in North America and the EU)

EUROPEAN UNION "DECLARATION OF CONFORMITY"

DECLARATION OF CONFORMITY

Unigen Corporation

45388 Warm Springs Blvd. Fremont, CA 94538 USA

declare under our sole responsibility that the product(s)

ARES/ATHENA UGWSX933SM0033U

to which this declaration relate(s) is in conformance with the following standards:

EN 300-328 v1.7.1 EN 301 489-17 EN 55022 limits B

following the provisions of the 73/23/EEC and 2004/108/EEC Directives.

Unigen Corporation, Fremont CA -

MECHANICAL CHARACTERISTICS:

Item	Description	Specification
1	PCB Material	FR-4
2	PCB Layers	4
3	Connector Type	SMT
5	UGWAS82 Dimensions	22mm x 22mm

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Solutions for a Real Time World RF Radiation Hazard Warning (RSS-102, FCC)

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"To ensure compliance with FCC and Industry Canada RF exposure requirements, this device must be installed in a location where the antennas of the device will have a minimum distance of at least 20 cm from all persons. Using higher gain antennas and types of antennas not certified for use with this product is not allowed. The device shall not be co-located with another transmitter."

French – "Installez l'appareil en veillant à conserver une distance d'au moins 20 cm entre les éléments rayonnants et les personnes. Cet avertissement de sécurité est conforme aux limites d'exposition définies par la norme CNR-102 at relative aux fréquences radio."

Antenna Limitations (RSS-GEN)

Per RSS-GEN, section 7.1.2 – "Under Industry Canada regulations, this radio transmitter may only operate using an antenna of type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication."

French – "Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante."

Per RSS-GEN, section 7.1.2 (detachable antennas)— "This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device."

Fench – "Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur".

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Solutions for a Real Time World General Two Part Statement (RSS-Gen, section 7.1.3):

User Manual

This device complies with Industry Canada licence-exempt RSS standard(s). 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Two Part Statement (FCC, 15.19) – If not on the label, then it must be in the user's manual

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.

Non-modification statement (FCC, 15.21) -

User's manual shall caution the user the changes or modifications not expressly approved by Unigen Corporation could void the user's authority to operate the equipment.

Modular Requirements -

The manual for the module must instruct the integrator how to properly label the end product and what statements must be in the user's manual.

Label for host product:

"Contains FCC ID: R8KUGWSX931" "Contains IC: 5125A-UGWSX931"

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APPENDIX B:

FCC Grant# - R8KUGWSX931

The modular transmitter is approved for use in Digital Electronic Devices and may operate in conjunction with other mobile and portable transmitters in the same device; provided, the other mobile and portable transmitters have satisfied the appropriate RF exposure requirements contained in the FCC rules. The grantee must also provide Digital Electronic Device integrators, or end users if marketed directly to end users, with installation and operating instructions for satisfying RF exposure requirements. The Grantee must inform second manufacturers/installers that in order for this module to be operated in any configuration other than that permitted in the preceding sentences; a separate FCC equipment authorization must be obtained for each device into which this module is installed.

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