

# Cranberry User Information

## Cranberry RF Module - User Information

Model: XVZQ49

### Radio Frequency Bands and Output Power

Radio Mode	Frequency	Transmit modulation	Output Power - Conducted			
			Output power USA (dBm)	Canada (dBm)	EU and UK (dBm)	Australia and NZ (dBm)
Propreitrary Sub-GHz protocol	902-928 MHz	GFSK2	20	20	N/A	N/A
	915-928 MHz	GFSK2	N/A	N/A	N/A	14
	863-865 MHz					
	865-868 MHz					
	868-868.6 MHz					
	868.7 to 869.2 MHz					
	869.4 to 869.65 MHz					
	869.7 to 870 MHz	GFSK2	N/A	N/A	14	N/A

### Information for Users in United States

FCC ID: 2AVOB-XVZQ49

Antenna: 17-002768; Dipole with peak gain 1.57 dBi.

Responsible party (contact for FCC matters only): Nalloy LLC, 859 Willard Street, Suite 400, Quincy, Massachusetts 02169

To meet RF exposure requirements, this radio module needs to be placed at least 20 cm away from the body of the user as well as other radio antennas.

Integrators of radio module are responsible for performing FCC Part 15 Subpart B and spurious emissions verifications per KDB 996369.

Integrators of radio module are required to perform necessary evaluation required by FCC when collocated with other transmitter.

Integrators of the radio module are required to label the host device in a conspicuous location as “Contains: FCC ID: 2AVOB-XVZQ49”

If the final host / module combination is intended for use as a portable device the host manufacturer is responsible for separate approvals for the SAR requirements from FCC Part 2.1093 and RSS-102.

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.

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 a particular 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 or more 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

Changes or modifications to this product not authorized by Nalloy LLC could void the compliance certification of the device.

## **Information for Users in Canada**

CANADA ICES-3(B)/NMB-3(B)

IC: 29754-XVZQ49

### **“Innovation, Science and Economic Development Canada (ISED) Compliance**

“This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation,

Science and Economic Development Canada's license-exempt RSS(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.”

**“Conformité Innovation Sciences et Développement Économique Canada (ISDE)**

“L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. “

**“Information Regarding Exposure to Radio Frequency Energy:**

This equipment complies with IC RSS-102 RF exposure limits set forth for an uncontrolled environment.”

“Renseignements relatifs l'exposition l'énergie des radiofréquences  
Cet équipement est conforme aux limites d'exposition IC CNR-102 prévues pour environnements non contrôlés

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