

Radio Module Information

FCC ID: 2AVOB-VG8HYF

Model: VG8HYF

Operating frequency: 902.4-927.6 MHz

Maximum output power: 14dBm (Conducted at antenna port)

Antenna: PCB antenna, 5.2 dBi.

Device complies with FCC 15.247 and has single modular approval. Host integrator is responsible to ensure with relevant FCC rule parts.

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 the radio module are required to label the host device in a conspicuous location as “Contains: FCC ID: : 2AVOB-VG8HYF”

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

J2 antenna port connector is solely for test purposes to perform conducted measurements. The module is only intended for use with PCB antenn. External antennas shall not be used.

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.

Host integrator shall include statements as stated in FCC 15.19, 15.21 and 15.105.

SI Labs rail test firmware can be used to configure the device to various test modes as required by FCC. <https://www.silabs.com/documents/public/user-guides/ug409-railtest-users-guide.pdf>. The module is not intended to transmit simultaneously with other radios.