

## **Athena-GTX, Inc. addendum**

FCC ID: 2AVRK-XBS6BTH is configured in a specific singular modular use configuration, this addendum is created to support changes. Information in this addendum is designed to replace FCC publication 996369 related information on *Digi XBee Wi-Fi RF Module User Guide Rev W*, except where specifically stated.

Reference Digi XBee Wi-Fi RF Module User Guide Rev W, or greater for additional user guide information.

## **FCC publication 996369 related information**

In publication 996369 section D03, the FCC requires information concerning a module to be presented by OEM manufacturers. This section assists in answering or fulfilling these requirements.

### **2.1 General**

No requirements are associated with this section.

### **2.2 List of applicable FCC rules**

This module conforms to FCC Part 15.247.

### **2.3 Summarize the specific operational use conditions**

For the XBee Wi-Fi RF Module, see FCC approved antenna (2.4 GHz) identified in section 2.7 of this addendum.

Once integrated with the Host Device, the Wi-Fi module will communicate (TX/RX) using 2.4 GHz at a low power (39.81mW), low duty cycle (<1%) while simultaneously a co-located BLE module communicates (TX/RX) with accessory devices. Modules will be in portable use, <20 cm proximity to user's body.

Users are not permitted to modify antenna or alter pre-defined Host or Module configuration settings, outside of connecting and disconnect other devices.

BLE modules authorized to be used in co-location with XBee Wi-Fi RF Module identified above are, FCC IDs: 2AA9B04, 2AA9B05.

### **2.4 Limited module procedures**

Not applicable.

### **2.5 Trace antenna designs**

Not applicable.

### **2.6 RF exposure considerations**

Module was reviewed for portable and co-location use. RF exposure has been completed, see report in FCC registration database.

### **2.7 Antennas**

Only P/N: A24-QI monopole (Integrated Whip) antenna is approved to be used for this module.

## **2.8 Label and compliance information**

A physical label stating “Contains FCC IDs: 2AVRK-XBS6BTH, 2AA9B04” or “Contains FCC IDs: 2AVRK-XBS6BTH, 2AA9B05” will be used. Note, the label ‘phrase’ will be a single line on the host product.

## **2.9 Information on test modes and additional testing requirements**

Devices shall be reviewed under configured max operational settings (standard use) for SAR, Spurious Radiated Emissions. Unintentional Radiators is also required for review, however, due to setting requirements (RF modules disabled), only Athena GTX Inc. is permitted to configure a test unit for this mode.

When testing for all, except for Unintentional Radiators, Wi-Fi must be tested after a connection with a partnering WLAN device is established and information is transmitting. Additionally, BLE shall be co-located, as such, it needs to be paired with a compatible device to allow RF traffic.

Antenna power, duty cycle, and transmission rate cannot be altered from approved settings, see RF Exposure report for technical information.

## **2.10 Additional testing, Part 15 Subpart B disclaimer**

Not applicable, see this section in original Digi XBee Wi-Fi RF Module User Guide rev W, or greater.