

**JADAK/PRI Bluetooth Module**  
**Justification for FCC Limited Modular Approval**  
**FCC ID: 2AAVI-6XYZ-0003-01**

The following is justification for the JADAK/PRI Bluetooth Module application for Limited Modular Approval, as described in the requirements contained in FCC KDB Publication 996369 D01 "Transmitter Module Equipment Authorization Guide" dated Oct. 23, 2015. Limited modular approval is sought on the basis that the JADAK/PRI Bluetooth Module is only designed for use with only JADAK/PRI instruments in the PR-6xx, PR-7xx, and PR-810 series of instruments. There is no radio frequency shield on the module and it does not contain a unique antenna connector. Compliance will be demonstrated for specific JADAK/PRI host instruments.

- 1) The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly;

***Shielding is not used on this module.***

- 2) The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;

***The module contains a memory management unit inside the LMX9820A Bluetooth device. It buffers the data inputs from the UART input.***

- 3) The module must contain power supply regulation on the module;

***The module contains its own 3.3V power supply regulator.***

- 4) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);

***The module is only provided with a specific antenna which utilizes an SMA connector.***

- 5) The module must demonstrate compliance in a stand-alone configuration;

***The module was tested in a stand-alone configuration using a USB-to-UART adapter as outlined in the test reports.***

- 6) The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748);

***The labelling information is specified in a separate exhibit. The module is designed only to be used with JADAK/PRI instrumentation which will contain the appropriate external labelling.***

- 7) The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee;

***The JADAK/PRI Bluetooth Module is compliant with all applicable FCC rules. Detailed instructions are given in the User's Guide.***

- 8) The module must comply with RF exposure requirements.

***The JADAK/PRI Bluetooth Module was found to be compliant per the FCC Test Report Exhibit.***