

PA0020 Technical User Manual

1 Introduction

The Device Solutions PA0020 SensorII Board is based on an nRF905 Low Power Multiband RF Transceiver. The PA0020 card has Limited Modular approval under FCC 15C, this document summarizes the requirements for integrating the PA0020 into additional products.

2 FCC Requirements

The Modular FCC approval for the PA0020 SensorII Board only authorizes integration into Device Solutions host products; specifically the Gateway and Sensor products.

To conform to the limited modular approval, the integration must conform to the following:

1. There must be no changes to the antenna system.
2. There must be no changes to the remainder of the module.
3. Unless the product is smaller than palm sized, it shall be labeled "Contains FCC ID OXW-PA0020" per FCC requirements.
4. All integrations must conform to applicable RF exposure limits and associated usage conditions for installation type (fixed, portable, mobile).
5. The user manual shall include the following text:

This device complies with Part 15 of the FCC Rules. Operation of the device is subject to the following two conditions: (1) The device may not cause harmful interference, and (2) The device must accept any interference that may cause undesired operation.

This product has been tested and complies with the specifications 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 according to 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 is found 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 or devices
- Connect the equipment to an outlet other than the receiver's
- Consult a dealer or an experienced radio/TV technician for assistance

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

3 Other Recommendations

1. The PA0020 shall be installed in such a way as to maximize clearance around the antenna.