

05-12-05

Request for a modular approval - FCC ID: RTTAB-WLNB

Dear Application Examiner:

The DPAC Technologies Airborne WLN-B Module BT260146 is seeking FCC authorization as a modular transmitter. The requirement of the FCC Public notice DA00-1407 are met.

The following requirements are fulfilled:

1. The modular transmitter must have its own RF shielding

The radio portion of the module is contained in its own RF shielding. See the external photos.

2. The modular transmitter must have buffered modulation/data inputs

The transmitter (Radio) is buffered through the CPU and associated latches on the Application processor board.

3. The modular transmitter must have its own power supply regulation

The IC contains its own voltage regulation. In case of changes in the supply voltage VCC (for example caused by temperature changes or other effects), the internal voltage will be stabilized.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

The transmitter shall only be used with the tested antennas or with an antenna that has less antenna gain. The antennas that can be used are shown in the antenna information exhibit.

5. The modular transmitter must be tested in a stand-alone configuration

The EUT was tested in a stand-alone configuration. The module was fixed in test/programming board during the test. See also the test report and Test setup photos.

6. The modular transmitter must be labeled with its own FCC ID number

The EUT will be labeled with its own FCC ID number. If the module is installed inside of an end product, the label will not be visible. In this case the OEM customer will be instructed to how to apply the exterior label.

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The EUT is compliant with all applicable FCC rules. Detail instructions are given in the Users Guide.

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8. The modular transmitter must comply with any applicable RF exposure requirements.

Please See the MPE Calculations Exhibit.

Please contact us if you have any additional questions.

Best Regards,

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