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March 25, 2010

Request for a modular approval - FCC ID: LGYWL430220

Dear Application Examiner,

The Datamax-O'Neil radio 802.11 a/b/g SDABG1 Model: WL430220 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 module has a memory management unit inside of the IC. It buffers the data inputs from an external serial interface.

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

The IC contains an 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. 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 five (5) different printer models (LP3-L, MF2t-L, MF4t-L, OC2, and OC3). Since the EUT was not tested as a stand alone configuration, we are requesting a **limited modular approval** per section 7.1.2 of RSS-GEN to cover the use of the EUT inside the five (5) different printers.

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

The EUT will be labelled with its own FCC ID number. If the module is installed inside of an end product (i.e. printer), the label will not be visible. A sample label is included that shows what the label will look like on the product (printer). Note: This module is to be only used in Datamax-O'Neil Products and will not be an OEM product.


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 and Industry Canada rules. Detail instructions are given in the Users Guide.

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

Please see the SAR Test Report.

Best Regards,
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