04-21-2006

Request for a modular approval - FCC ID: LGYBT261159, IC: 2640A-BT261159

Dear Application Examiner,

The O'Neil Product Development Bluetooth Module FCC ID: LGYBT261159, IC: 2640A-BT261159 is seeking FCC authorization as a modular transmitter. The requirements of the FCC Public notice DA00-1407 and RSS-GEN Issue 1, section 7.1.1 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 UART and USB terminal.

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 integral antenna.

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. A sample label is included that shows what the label will look like on the end product. Note: This module is to be only used in 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 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 Calculation exhibit.

Please contact us if you have any additional questions.

Best Regards

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