



BeeWave Systems, LLC

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Date: October 19, 2012

FCC ID: OIPBW2155
Product Name: BW2155 module

Subject: Modular Approval Request

In accordance with FCC Rules CFR 47 Part 15.212, BeeWave Systems requests modular approval for device BW2155. The BW2155 module meets the modular approval requirements listed below:

1. The BW2155 module has a metal shield soldered to the ground plane on all sides. The shield encloses all radio elements.
2. The microcontroller unit (MCU) in the transceiver chip processes the input data and controls the transmit modulation. The user has no direct control of the radio's modulation.
3. The transceiver has an integrated 1.8V voltage regulator. A second 3.0V voltage regulator on the module board powers the transceiver and the power amplifier in the front end module (FEM).
4. The module shall only be used with the tested chip antenna or with same type chip antenna that has less antenna gain than the tested chip antenna. The module shall only be used with the tested external antenna or with same type antenna that has less antenna gain than the tested external antenna. For external antenna, the module uses a unique on-board antenna connector. The antenna needs a unique coupling to connect to the module.
5. The transmitter module was tested in a standalone configuration. The module complies with the AC power line conducted emissions Class B requirement. There were no ferrite filters on the conductors supplying power to the module during compliance testing. The lengths of the supply conductors were greater than 10cm.
6. The module has the FCC ID label clearly shown on the front side of the board. A copy of this label has been submitted with the module application. Instructions for the final assembly labeling requirements are given in the manual.
7. The module is compliant with all applicable FCC rules. The product manual details instructions and operating requirements.
8. The module is compliant with RF exposure requirements.

Sincerely,

Signature:

Name: M. Iqbal Chaudhry
Title: General Manager
Company: BeeWave Systems, LLC