



08-28-2006

**Federal Communications Commission
445 Twelfth St., S.W.
Washington, D.C. 20554**

To Whom it May Concern:

This letter is to request Limited Modular Approval for a Part 15 unlicensed transmitter in accordance with Public Notice DA 00-1407 release June 26th, 2000. Each of the enumerated points in that notice are addressed below.

- 1 - **The modular transmitter must have its own RF shielding.** The iRobot module passes emissions with shielding provided on board and internally by the single IC on the module.
- 2 - **The modular transmitter must have buffered modulation/data inputs.** The modulation inputs to the module consist of a digital bit stream which is loaded into data registers within the transmitter IC. They are therefore buffered internally. Moreover, since these are logic lines, no noise on these lines effects the transmit modulation.
- 3 - **The modular transmitter must have its own power supply regulation.** - The transmitter IC has 5 regulators integrated with it.
- 4 - **The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).**
- The antenna is an on-board PC trace with no provision for a connector.
- 5 - **The modular transmitter must be tested in a stand-alone configuration** – The module was tested stand-alone using only a test board to supply power and to load the the IC's synthesizer.
- 6 - **The modular transmitter must be labeled with its own FCC ID number.** - The module is so labeled and instructions for outer product labeling are included for review. (see 2.4GHz Module Labeling requirements.doc)
- 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.** - All requirements are insured by the module.
- 8 - **The modular transmitter must comply with any applicable RF exposure requirements.** - There are no applicable exposure requirements for this module due to its low output power.

iRobot will manufacture these modules for use within their own products. They will control the manufacture of the the product and thereby assure the module is not altered in any non-conforming manner.


Adam B. Craft
Director of Sustaining Engineering