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Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Modular Approval Request Letter for FCC ID: OQ7OS2401

To Whom It May Concern:

In regard to the submission for equipment authorization of the Locus, Inc. OQ7OS2401, Locus, Inc. hereby respectfully requests authorization for modular approval. The radio is a MiniPCI 802.11b WLAN module. Locus, Inc. requests the modular approval so that Locus may enclose the module in Access Points customized for OEM partners without re-authorization of the module.

The requirements of Public Notice DA00-1407 have been met and shown in the following statements.

1. "The modular transmitter must have its own RF shielding." The RF portion of the unit has been shielded separately. See attached photos.
2. "The modular transmitter must have buffered modulation / data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation." The module has buffered data input through the ISL3874 MiniPCI interface. The transmitted data rate and modulation methods are in accordance with the specifications of the IEEE 802.11b standard.
3. "The modular transmitter must have its own power supply regulation." The module contains a regulator on the DC input port. The part number is AME8801BEEV.
4. "The modular transmitter must comply with the antenna requirements of the section 15.203 and 15.204(C)." In order to ensure that no antennas other than those furnished by Locus, Inc are used, the module uses a unique U.FL series connector from Hirose. In addition, the antennas approved use unique connects of type reverse polarity SMA and reverse polarity N. Cables supplied by Locus will be used to connect the module to the antennas. These connectors meet the requirements as specified in Public Notice DA00-2225. The antennas that Locus will allow for installation are contained in the User Manual and have been tested for the authorization.
5. "The modular transmitter must be tested in a stand-alone configuration." The module has been tested in a stand-alone configuration as shown in the photos. The module has been connected to an Access Point in order to provide data to it for testing. However, no additional shielding has been provided by this configuration. This is a representative configuration.
6. "The modular transmitter must be labeled with its own FCC ID number." Please see the exhibit FCC Label for the FCC ID label of this module. The end product will contain the wording, "This device contains a transmitter module FCC ID: OQ7OS2401 as described in the User's Manual.
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 module complies fully with the requirements for 15.247. No additional requirements need to be met by the end user to ensure its compliance with 15.247.
8. "The modular transmitter must comply with any applicable RF exposure requirements." The module complies with all RF exposure requirements. The details are addressed in the RF Exposure section.

Thank you for your consideration. If you have any questions, please contact me.

Regards,

James A. Weikert
Project Engineer
Locus Incorporated