December 16, 2009

FCC ID: QVT-525-V21
Applicant: 3e Technologies International (a division of EF Johnson Technologies)
Model: DCMA-82
Brand: Wistron NeWeb

Dear Sirs:

We would like to declare that our product: 802.11 a+b+g mini PCI transmitter module, Model DCMA-82, FCC ID: QVT-525-V21 meets the requirements as a modular device which was indicated in FCC Public DA 00-1407, and have your authorization as a limited modular approval. The statement is listed below.

This module, under this FCC ID, shall be only used in 3eTechnologies International's secured wireless access point products. These products use the wireless radio module to securely connect wireless devices to a wired network.

Product build instructions are strictly controlled by 3e Technologies International's assembly procedures. These modules shall be directly mounted to 3e Technologies International's proprietary processing boards in the configurations as tested in the attached test report.

A User's Manual will be provided with every final product, which is specific to the end product, and uses this QVT-525-V21 module. A document describing the RF safety precautions is included with this application and the RF safety information will be provided in full to the user of each final product.

1. "The modular transmitter must have its own RF shielding." The radio portion of this module has been shielded. Please see the attached photograph indicating the shielding.
2. "The modular transmitter must have buffered modulation/data inputs." The EUT has buffered data inputs which are integrated in chip AR5414. (Please see the associated schematic file).
3. "The modular transmitter must have its own power supply regulation." The modulator of the transmitter needs 5VDC power supply for RF transmitting level. The mini-PCI interface provides 3.3VDC power. There is a 3.3 to 5 VDC regulator on the module. The part number of this regulator is RT9266PE. Please see the attached photograph indicating the regulator.

4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204©." The EUT meets the FCC antenna requirements. The spurious emission, unique antenna connector, and photos of the antennas are shown in the test report.
5. "The modular transmitter must be tested in a stand-alone configuration."
   LIMITED MODULAR EXCEPTION: The EUT is to be installed ONLY into 3eTI brand products employing a processor board similar to that shown in the "External Photos" document and the photos in the test report, where the module is installed into a connector directly above a printed circuit board with at least one conductive ground plane.
   EF Johnson Technologies/3eTI brand build instructions guarantee this module will only be used in this configuration under the FCC ID QVT-525-V21.

   The processor board, housing the wireless radio module, contains a microprocessor, memories, and other general input/output circuits. This processor board communicates encrypted data to/from the radio card module(s) in order to pass this data either between wireless nodes (bridging mode) or on to a wired network (access point). It is a multi-layer board, with ground plane, and provides all of the necessary interfaces except for wireless communication, which is handled by the DCMA-82 module listed above.
6. "The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module." Please see the photograph of the module with attached label. Also attached is a drawing of the exterior label that is attached to the exterior of the end 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 requirement." The EUT is compliant with all applicable FCC rules. The manufacturer's manual gives detailed instructions for maintaining compliance.
8. "The modular transmitter must comply with any applicable RF exposure requirements." The EUT is compliant with the applicable RF exposure requirements. RF exposure is addressed in the MPE test report.

Sincerely,

John Oblak
VP, Standards and Regulatory Affairs
EF Johnson Technologies, Inc