

Attn: Reviewing Engineer  
Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046  
USA

March 28th, 2007

**RE: MODULAR APPROVAL REQUEST FOR FCC ID: U2VCM-08-24-XT-11**

To Whom It May Concern:

This letter serves as an official request for a Modular Approval. A full modular approval is being requested for the FCC ID: U2VCM-08-24-XT-11. The module is without integrated antenna and RF output is through a "unique" solder joint connection. Conducted emission measurements has been done on this module, and radiated emissions has been measured with a reference antenna. The reference antenna is a quarter wave monopole whip antenna with maximum 4.1 dBi gain, Titanis from Antenova (available with reversed polarity SMA).

With reference to FCC Public Notice DA00-1407, the FCC ID: U2VCM-08-24-XT-11 is characterized by:

1. The module has its own RF shielding that prevents coupling between the RF circuitry of the module and any wires or circuits in the device which the module is to be installed
2. The module transmitter has a data buffer that prevents over-modulation under conditions of excessive data rates. The duty cycle of the transmitter will never go above 10% within a 10 ms interval.
3. The RF output power level control, the frequency synthesizers and modulator are all powered from an internal low-drop power regulator to ensure FCC-compliance regardless of the design of the power supplying circuitry in the device into which the module is installed.
4. The module does not have integrated antenna, but must be attached to the antenna through a "unique" solder joint connection.
  - a. Only a quarter wave monopole whip antenna with gain  $\leq$  4.1dBi can be used
  - b. If an antenna connector is used in the final application, it must be a non-standard connector like U.FL (Hirose), AMC (Amphenol), reversed polarity SMA or similar.

These limitations will be clearly stated in the User Guide

5. The module has been tested in a stand-alone configuration, only using an open PCB carrier as test jig.
6. The module is labeled with its own FCC ID number. This marking will be repeated on the outside of the device where the module is to be installed.
7. The module is supported with a User Manual that gives instructions on how to install and operate the module in order to comply with the regulations.
8. The module is to be used in equipment that is not operated closer than 20 cm from any part of the body. The User Manual provides instructions for installation to provide a separation distance of at least 20 cm from all persons.

Ubiwave understand that we are responsible for the compliance of the module in its final configuration, provided that the OEM, integrator, and/or end user has complied with all the instructions provided by us which indicate installation and/or operating conditions necessary for compliance.

Please contact me if there is any information you may need.

Sincerely,  
Ubiwave



Wim De Kimpe  
CTO