



# American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

September 25, 2002

RE: FCC ID: QMU-IMI-3000

Attention: Wade Kerzie

I have a few comments on this Application.

- 1 No request for confidentiality letter has been provided. Please provide a letter requesting confidentiality in accordance with CFR 47 part 0.459. Please list those items to be held confidential. Also, please note that certain items cannot be held confidential. These include but are not limited to internal photos and user manuals.
- 2 No external photos have been provided. Please provide external photos of the device.
- 3 No internal photos showing the relation of the boards and the packaging has been provided. Please provide internal photos showing how the boards fit into the chassis. Also, please provide photos of any controls or user operable items.
- 4 Please note, since it is a repeat of information in the users manual, there is nothing in the operational description that warrants confidentiality. This information therefore cannot be held confidential.
- 5 Please note your liability statement concerning modifications is not sufficient. 15.21 states, "The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment." Please follow the guidelines of 15.21 for the no-modification statement. Please revise the manual to include a proper 15.21 statement.
- 6 The FCC requires separate Test Setup Photo file. Please extract the setup photos and provide them as separate file.
- 7 The block diagram should show what the operating frequencies and major clock circuitry used in the device are. Please indicate what these frequencies are on the block diagram.
- 8 No schematics were provided in the application. Please provide the schematics for this device.
- 9 Testing was done with only one antenna on the table. All other antennae cables were placed on the ground plane. Also, it is not clear from the photos if the cables were resistively terminated or had antennae connected to them. Even with resistively terminated cables, this potentially loads the system and can cause false readings. This puts the test results in question. What steps were taken to insure this situation did not occur?
- 10 While the antennae are supposed to be placed a minimum of 10 meters apart during installation, it is not know what affects the other antennae have on the others. It is not clear what happens when one antennae ceases to function. Does the power to the other antennae increase? How is this prevented? What steps did the manufacturer take to insure that the device does not increase power to the other antennae in this situation?

Dennis Ward

<mailto:dward@AmericanTCB.com>

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the [AmericanTCB.com](http://AmericanTCB.com) website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.