



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

October 14, 2002

RE: FCC ID: QGK-DT100

Attention:

I have a few comments on this Application.

- 1 Please note, I can find no reference to a grantee code of QGK on the FCC server. Also please note that there is no listing showing that Demarc Technologies Group, LLC has a grantee code. Please correct all documentation to provide the correct grantee code, or alternately please obtain a grantee code for Demarc Technologies Group, LLC and provide corrected documentation showing a valid grantee code.
- 2 Please note that a 'release' letter is insufficient for access to schematics and other information held confidential by the FCC. Also, please note that the ID reference provided does not seem to exist. Please provide the information in the form of an exhibit to ATCB. The following files will need to be uploaded to the ATCB server in order to proceed: Confidential Schematics, confidential Block Diagrams.
- 3 Please note the 731 form states that this device operates in the 2400 MHZ ISM band. However, your MPE states compliance to 15.407 (UNII) band. Please correct the appropriate documentation to reflect the correct operating frequency range and MPE conditions.
- 4 Please note, certain documents claim that this device is professionally installed. However, this is a PCMCIA card usable in any PCMCIA slot. Professional installation indicates that a one-time installation process is involved. Please note that a PCMCIA format card is intended for repetitive or at least multiple installation and reinstallation. What is to prevent the user from keeping the PCMCIA card and using a standard antenna connected to this device in other locations, applications, etc.? Please explain how it is possible for a PCMCIA card to be limited to professional installations. Alternately, please correct all appropriate documentation to remove any indication of professional installation and provide the unit with a unique connector.
- 5 The manual does not contain the appropriate statement in accordance with 15.21 (Information to user). The 'no unauthorized modification' statement must be provided in the manual. Please correct the manual to include this statement.
- 6 Please note, ANSI C63.4 is not the proper test method for Spread Spectrum devices. DSSS devices should be tested in accordance with FCC97114 or equivalent. Please provide indicate testing was performed using this or similar FCC accepted test methods for SS devices.
- 7 Your report states the use of an Omni-Directional antenna of 17.8dBi. However, the manual says this is a 45d degree Sector Panel antenna. Please correct the reference to the type antenna used to be consistent.

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 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.