

## Chris Harvey

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**From:** Claire Hoque  
**Sent:** Thursday, May 06, 2004 6:44 PM  
**To:** Chris Harvey  
**Cc:** Mike Kuo; Michael Heckrotte; Kathy Yao  
**Subject:** RE: Additional Information needed AN04T3869 FCC ID: Q7O-0004

Hi Chris,

Here are answers.

1. Although the Modular Approval letter states that this device meets the requirements of FCC 15.203, the Modular Approval guidelines from the FCC prohibits compliance with this provision by utilizing the 'professional installation' clause in 15.203. Therefore, this application can be processed as a Limited Modular Approval, which will be conditioned with the following clause (or very similar):

Limited Modular Approval (LMA). Power Output Listed is Conducted. Approval is limited to installation by the grantee using the mini-PCI card and antennas specified in this filing. The antenna used for this transmitter must be fixed-mounted on outdoor permanent structures with a separation distance of at least 2 meters from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. Final Products into which this device is installed that utilize 'standard connectors' must be professionally installed.

[<Karlnet>LMA is OK.](#)

2. The Modular Approval exhibit indicates that there will be a second label to be placed on the outside of the device into which this mini-PCI card is installed. Please provide this additional label as an exhibit.

[<Claire>There were two labels in this submission, pls see page 2 of "FCC Label. PDF".](#)

3. The letter of authorization states that the authorization applies for applications for which ATCB is the Certifying organization. Please have this revised to remove that reference.

[<Karlnet>pls see revised letter as attached.](#)

4. The Antenna Selection Matrix in the Manual is not specific to the antennas that are approved for use with this EUT. For example, there is a listing for PtP operation at 2.4GHz using a maximum 31dBi gain antenna. There is no such antenna in this application. Please revise this portion of the manual to be specific to the antennas that are in the application.

[<Karlnet>the user's manual has been revised based on TCB reviewer's comments.](#)

-----Original Message-----

**From:** Chris Harvey  
**Sent:** Thursday, April 29, 2004 4:56 AM  
**To:** Michael Heckrotte  
**Cc:** Mike Kuo; Chris Harvey  
**Subject:** Additional Information needed AN04T3869 FCC ID: Q7O-0004

Michael,

The application referenced above has been reviewed and the following items need to be addressed before processing can continue:

1. Although the Modular Approval letter states that this device meets the requirements of FCC 15.203, the Modular Approval guidelines from the FCC prohibits compliance with this provision by utilizing the 'professional

installation' clause in 15.203. Therefore, this application can be processed as a Limited Modular Approval, which will be conditioned with the following clause (or very similar):

Limited Modular Approval (LMA). Power Output Listed is Conducted. Approval is limited to installation by the grantee using the mini-PCI card and antennas specified in this filing. The antenna used for this transmitter must be fixed-mounted on outdoor permanent structures with a separation distance of at least 2 meters from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. Final Products into which this device is installed that utilize 'standard connectors' must be professionally installed.

2. The Modular Approval exhibit indicates that there will be a second label to be placed on the outside of the device into which this mini-PCI card is installed. Please provide this additional label as an exhibit.

3. The letter of authorization states that the authorization applies for applications for which ATCB is the Certifying organization. Please have this revised to remove that reference.

4. The Antenna Selection Matrix in the Manual is not specific to the antennas that are approved for use with this EUT. For example, there is a listing for PtP operation at 2.4GHz using a maximum 31dBi gain antenna.

There is no such antenna in this application. Please revise this portion of the manual to be specific to the antennas that are in the application.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. 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 e-mail address listed below the name of the sender.

Please contact me if there are any questions or comments.

Best regards,

Chris Harvey  
[Charvey-tcb@ccsemc.com](mailto:Charvey-tcb@ccsemc.com)