

## Chris Harvey

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**From:** Claire Hoque [claire.hoque@ccsemc.com]  
**Sent:** Tuesday, December 05, 2006 7:06 PM  
**To:** Chris Harvey  
**Cc:** Michael Heckrotte; Chi Tsou; Christine Vu  
**Subject:** answer: APPLE COMPUTER, FCC ID: BCGA1143, Assessment NO.: AN06T6237 - UNII, Notice#1

**Attachments:** Manual(revised).pdf; Additional Internal Photos.pdf; BCGA1143 Label.pdf; BCGA1143 MIMO details.pdf



Manual(revised).pdf (736 KB)



Additional Internal Photos.pdf...



BCGA1143 Label.pdf (85 KB)



BCGA1143 MIMO details.pdf (36 ...

Hi Chris,

Pls see answer below.

Pls note the defer date is Jan. 9, 2007.

Thanks,

Claire

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

**From:** Chris Harvey  
**Sent:** Sunday, November 26, 2006 7:04 PM  
**To:** Michael Heckrotte  
**Cc:** Chris Harvey; Claire Hoque  
**Subject:** APPLE COMPUTER, FCC ID: BCGA1143, Assessment NO.: AN06T6237 - UNII, Notice#1

Dear Michael Heckrotte,

You are listed as the technical contact for the above referenced TCB application. The following items need to be addressed before the review can be completed:  
Please submit internal photographs with a resolution sufficient to resolve components on the board.

<answer>attached pls find additional internal photos.

1. Please provide label photo/drawing and label location exhibits.

<answer>attached pls find revised FCC Label.

2. Please submit a detailed description of the 3x3 MIMO operation (i.e. is this a Spatial Multiplexed device, does it have cyclic diversity, are the antenna elements driven incoherently, etc.). Is this transmitter capable of operating on multiple channels simultaneously?

<answer>attached.

3. Please provide updated information in the Users Manual which informs the users about RF Exposure and the requirement to provide at least a 20cm separation to comply with FCC 15.247 and 15.407.

<answer>attached pls find revised manual.

4. Please provide a description of the products compliance with the requirements of FCC 15.407(c).

<answer>

FCC 15.407(e) states: "The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure." Data transmission is always initiated by software, which is then passed through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets (ACKs, CTS,

PSPoll, etc...) are initiated by the MAC. These are the only ways by which the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted.

5. There is a simple statement in the manual regarding use indoors, but no mention about the need to operate indoors in order to comply with the FCC 15.407 requirements for the 5.15-5.25GHz band. Please update the users manual about the need to use this device indoors during operation in the 5.15-5.25GHz band in order to comply with FCC 15.407. <answer>attached pls find revised manual.

Please note that the associated application for the DTS portion (Assessment # AN06T6236) is being addressed separately.

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.

Best regards,

Chris Harvey  
charvey-tcb@ccsemc.com