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**answer: 08U12079 TCB questions: Apple Inc., FCC ID: BCGA1301,  
Assessment NO.: AN09T8832 AN09T8833 Notice#1**

1 message

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**Claire Hoque <claire.hoque@ccsemc.com>**

Fri, Feb 13, 2009 at 1:05 PM

To: Tim Dwyer - TCB &lt;Timothy\_Dwyer@ieee.org&gt;, "Timothy M. Dwyer" &lt;tim.dwyer@ccsemc.com&gt;

Cc: Neena Jain &lt;neena.jain@ccsemc.com&gt;

Hi Tim,

Pls kindly see answer below.

Thanks,

**Claire Hoque**

Compliance Certification Services

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

From: Timothy M. Dwyer

Sent: Wednesday, February 04, 2009 8:20 PM

To: Thu Chan; Claire Hoque

Cc: Timothy M. Dwyer

Subject: Apple Inc., FCC ID: BCGA1301, Assessment NO.: AN09T8832

AN09T8833 Notice#1

Hello Thu, Claire,

This is a combined notice for applications AN09T8832 and AN09T8833 since the applications share many common documents. The replies to this notice will also be applied to the related IC application AN09I2768. If there are additional items specific to the IC application, they will be sent in a separate notice.

Q1. Please provide a revised internal photos exhibit showing the interior of the enclosure and also showing the antennas, connecting cables, and antenna separation for this device.

Ans. Attached pls find the pictures of the EUT.

Q2. The operation description describes this device as being capable of simultaneous operation in both 2.4 and 5 GHz bands. Please provide a revised MPE document confirming evaluation of MPE for simultaneous operation with highest powers and highest gain antennas for both bands. A separate MPE exhibit was not provided for the DTS application. If MPE is part of the EMC test report, please extract copies of the MPE pages to a separate document for the filing.

Ans. Requested info. is mentioned in the revised reports.

Q3: Please confirm that the antenna gains of 5.73 dBi for 5.2 GHz and 1.33 dBi for 5.8 GHz are correct

Ans. UNII/DTS reports are corrected.

Q4: The contact named in the FCC database is Mike Kriege. The authorization letter is signed by Robert Steinfeld. Please revise the letter or name in the database.

Ans. Pls use the attached Authorization letter from Mike Kriege.

Q5: Please confirm that this product uses only 802.11n spatial multiplexing and does not use phased array, sectorized or other "smart antennas".

Ans. Please refer to section 5 of the Theory of Operation. This device is a 2x2 Spatial Multiplexing MIMO System for each of 2.4 GHz and 5 GHz radios. Both radios support Cyclic Delay Diversity (CDD) mode, for 2.4 GHz radio, it can only support H20. For the 5 GHz radio, it supports H20 and H40 modes. This device is not utilizing phased array antennas and it is not classified as a smart antenna system per the definition of 15.247 (c)2i-iv.

Q6: Page 4 of the test report 08U12079-2 shows test dates of Sep11-Dec 01, 2008. Power measurement plots on pages 25-28 are dated Jan 20, 2009. The dates of average measurements were not specified. Please confirm that all measurements were made with instruments that were within their respective calibration periods.

Ans. Corrected.

Q7: It is noted that this AP includes a USB interface Type A receptacle, and so would not normally be connected to a computer or other USB host device, however, some technologies allow interconnection of two USB host devices. Please confirm whether this AP is intended for connection directly to a computer. If direct connection to a computer is intended, then the AP is subject to additional approval as a computer peripheral using Certification or DoC.

Ans. The USB port does not connect to a computer. It is used for printers.

Q8: Please refer to section 7.5 of report 08U12079-1 (5.8 GHz HT20). The upper channel for HT20 mode BW and power measurements was 5805 MHz. The upper frequency for PSD was 5825 MHz. The upper frequency listed on the application form was 5825 MHz. Please confirm the upper frequency channel for HT20 mode.

Ans. Corrected.

Q9: Test report number 08U12079-2 is shown correctly on the cover page, but the subsequent page headers show 08U12079-1. Please revise.

Ans. Corrected.

Best regards

Tim Dwyer

Technical Reviewer

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.

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**6 attachments**



**Authorization Letter for FCC.pdf**

348K



**A1301 assembly photos.pdf**

2205K



**08U12079-1A\_Setup Photos.pdf**

224K



**08U12079-2A FCC UNII IC RSS-210 Report\_No photos.pdf**

1751K



**08U12079-2A Setup Photos.pdf**

210K



**08U12079-1A\_FCC IC DTS WLAN Report\_No photos.pdf**

3456K

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