

## Chris Harvey

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**From:** Claire Hoque [claire.hoque@ccsemc.com]  
**Sent:** Monday, July 14, 2008 2:36 PM  
**To:** Chris Harvey; Chris Harvey -TCB  
**Cc:** Chi Tsou; Tina Chu; Sunny Shih  
**Subject:** UNII answer: Broadcom Corporation, FCC ID: QDS-BRCM1038, Assessment NO.: AN08T8123, Notice#1

**Attachments:** BCM94322USA No Ad-hoc mode in non-US frequency attestation updated on 7-14-08.pdf; BCM4322USA Operational Description revised on 7-14-08 with frequency stability statement.pdf; 08U11756-2B UNII WLAN Report(2).pdf; 08U11756-2B UNII WLAN Report(3).pdf; MPE(revised).pdf; 08U11756-2B UNII Setup Photos.pdf; 08U11756-2B UNII WLAN Report(1).pdf



BCM94322USA No Ad-hoc mode in ... )perational Descrip.. WLAN Report(2... WLAN Report(3... MPE(revised).pdf (133 KB) 08U11756-2B UNII Setup Photos.... WLAN Report(1...

Hi

Chirs,

Pls see UNII answers below.  
Pls kindly issue grants today if there are no questions.  
Thanks,

Claire

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

**From:** Chris Harvey  
**Sent:** Friday, July 11, 2008 9:01 AM  
**To:** Thu Chan  
**Cc:** Chris Harvey; Claire Hoque  
**Subject:** Broadcom Corporation, FCC ID: QDS-BRCM1038, Assessment NO.: AN08T8123, Notice#1

Dear Thu Chan and Claire Hoque,

You are listed as the Technical Contact for the above referenced TCB applications. The following item(s) need(s) to be resolved before the review can be continued:

1. Please confirm all of the possible antenna combinations that can be utilized in the final products. For example, can the end product use 2 of the Tyco PIFA M97PIFA antennas with 7.18dBi each in the 5.8GHz band (which would be a combined 10.45dBi)? Or must the end product use one PIFA antenna and one Slot antenna?

<answer> The end product can only use high PIFA/low slot or low PIFA/high slot antenna combination.

2. The Operational Description exhibit indicates a maximum 8.8dBi gain antenna(s) in the 5GHz band, but the test reports document DTS 5GHz band has 8.6dBi gain and the NII 5GHz band has 8.9dBi gain (SLOT Hi / PIFA Hi). Please correct the Operational Description exhibit.

<answer>Please find attached revised Operational Description

3. The FCC (in KDB# 848637 dated May 19, 2008) requires that applications for UNII Client Devices without Radar Detection capability include the following attestation from the applicant for the following:

iii. Statement of Conformity for the Client in Non-Associated mode:

The Form 731 application must include a Cover Letter Attachment stating that the client software and associated drivers will not initiate any transmission on DFS frequencies. This includes transmissions for beacon ad-hoc peer-to-peer modes.

<answer>]See revised doc.

iv. Test Report Attachment for the Client in Associated Mode:

The application must include documentation of the following:

- . Test results demonstrating an associated client link is established with the master on a test frequency;
- . The client and DFS-certified master device are associated, and the movie can be streamed as specified in the DFS Order for a non-occupancy period test;
- . The device transmits one type of radar as specified in the DFS Order;
- . The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes;

Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear; An analyzer plot that contains a single 30-minute sweep on the original test frequency.

Page 307 of 347 of the NII test report indicates that there is a separate document for the Manufacturer's statement of non-Occupancy. Please provide this exhibit. Also, please change your report to reflect all of the FCC stated requirements of KDB# 848637 (some are already included).

<answer>See revised report.

4. The NII test report indicates that the tests were performed with the DFS Master with FCC ID: PY307300072, however, the FCC web site does not indicate that this device has been approved as a Master device with DFS capability in the 5250-5350 and 5400-5700 MHz bands.

<answer>The correct FCC ID for the master should be PY308100078.

5. The NII test report and application does not contain data or attestations for FCC 15.407(g) for Frequency Stability over normal operating conditions. Please provide evidence of compliance with this FCC requirement.

<answer>Please find attached revised Operational Description

6. The NII test report indicates that Transmit Power Control of FCC 15.407(h) is required since the EIRP is greater than 500mW, but no TPC compliance information has been submitted. Please provide TPC compliance documentation for this device.

<answer>See revised report.

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