

 from "tim.dwyer@ccsemc.com" <tim.dwyer@ccsemc.com>

[hide details](#) Nov 20

 [Reply](#)

to September.Radecki@ccsemc.com,

Sunny.Shih@ccsemc.com

cc tim.dwyer@ccsemc.com

date Nov 20, 2007 4:53 PM

subject Broadcom Corporation, FCC ID: QDS-BRCM1030, IC: 4324A-BRCM1030 Assessment NO.: AN07T7371/AN07I2249, Notice#1

Hello September, Sunny,

Please note that this is a combined notice for both the FCC and related IC applications.

The review is complete. A few items needing clarification are listed below. Your email reply to this notice should be sufficient to complete the review. The exhibits should not require revision.

Q1: The block diagram shows 802.11 a/b/g. The application is only for 802.11 b/g. Please confirm that this product will not operate in 802.11a mode.

Q2: The product has two antenna ports. Information in the operation description, test report, block diagram and schematic is not sufficient to determine whether the device operates as MIMO or only in switched diversity mode. Tests performed indicate that this is a switched diversity mode only product. Please confirm.

Q3: The radiated emissions test setup photos show only horizontal antenna polarization for the EUT. Although the test report shows horizontal and vertical measurements, it is not clear whether these refer to the EUT or measurement antenna polarization. Please confirm that radiated emissions measurements were made with the EUT antenna in both horizontal and vertical polarizations.

Q4: IC application only. The application lists the antenna as "Integral Antenna". This is acceptable as the antenna is expected to be integral to the end-product. However, connection to the antenna is by connector. Please confirm that the applicant desires to have the listing appear on the grant as "Integral Antenna" rather than "Unique Connector"

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,

Tim Dwyer  
Technical Reviewer

   [Invite tim.dwyer@ccsemc.com to Gmail](#)

 from **September Radecki** <september.radecki@ccsemc.com>

[hide details](#) Nov 21 

to "Timothy M. Dwyer" <tim.dwyer@ccsemc.com>

cc Sunny Shih <sunny.shih@ccsemc.com>

date Nov 21, 2007 12:27 PM

subject RE: Broadcom Corporation, FCC ID: QDS-BRCM1030, IC: 4324A-BRCM1030 Assessment NO.: AN07T7371/AN07I2249, Notice#1

Hi Tim,

Attached are the answers to your questions on these applications.

Q1: The block diagram shows 802.11 a/b/g. The application is only for 802.11 b/g. Please confirm that this product will not operate in 802.11a mode.

<CCS ANSWER:> The device does not operate in the 802.11a mode. We have been provided with an updated Block diagram which is attached.

Q2: The product has two antenna ports. Information in the operation description, test report, block diagram and schematic is not sufficient to determine whether the device operates as MIMO or only in switched diversity mode. Tests performed indicate that this is a switched diversity mode only product. Please confirm.

<CCS ANSWER:> Confirmed.

Q3: The radiated emissions test setup photos show only horizontal antenna polarization for the EUT. Although the test report shows horizontal and vertical measurements, it is not clear whether these refer to the EUT or measurement antenna polarization. Please confirm that radiated emissions measurements were made with the EUT antenna in both horizontal and vertical polarizations.

<CCS ANSWER:> This is a modular approval, for mobile configurations only. We are not required to rotate the EUT antenna, it is placed in a typical orientation.

Q4: IC application only. The application lists the antenna as "Integral Antenna". This is acceptable as the antenna is expected to be integral to the end-product. However, connection to the antenna is by connector. Please confirm that the applicant desires to have the listing appear on the grant as "Integral Antenna" rather than "Unique Connector"

<CCS ANSWER:> We have confirmed with the client that they want the grant to list Integral Antenna.

Thank you for your help.

Best regards,  
September

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 [Block Diagram bcm94312hmg.pdf](#)

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