

Helen Zhao

Subject: FW: Broadcom Corporation, FCC ID: QDS-BRCM1022HR1, Assessment NO.: AN07T6943, Notice#1



06U10708-2B FCC 06U10708-2B FCC
UNII Report.pd... UNII Test Setu...

From: September Radecki
Sent: Monday, July 02, 2007 5:55 PM
To: Helen Zhao
Cc: Michael Heckrotte
Subject: RE: Broadcom Corporation, FCC ID: QDS-BRCM1022HR1, Assessment NO.: AN07T6943, Notice#1

Hi Helen,

Here are the replies to your questions on the above application.

Question #1: The test report indicates the device was tested with antenna array gain up to 6dBi. Please provide the antenna spec.

<CCS Answer:> The report has been revised and is attached.

Question #2: Section 5.3 of 07U10893-2 UNII report: the power listed in 5260-5320MHz band, at 802.11a Legacy mode is not the highest value listed in section 7.1.2. The power summary at 802.11n 40MHz SDM mode does not agree with section 7.2.2. Actually only one channel 5190MHz was ever tested, the power level is also different.

<CCS Answer:> The report has been revised and is attached.

Question #3: Section 7.5.4 of 07U10893-2 UNII report: Harmonic & Spurious test in 5470-5725MHz band was tested with 5.35dBi main, 5.2dBi aux. Please provide antenna spec and explain why channel test was not tested with that antenna.

<CCS Answer:> The report has been revised and is attached.

Question #4: Section 5.2 of 06U10708-2 UNII report indicates MCS index 32 is worst case for 40MHz mode, but the following sections show 40MHz MCS0 in many areas. Please clarify.

<CCS Answer:> The report has been revised and is attached.

Question #5: Section 5.3 of 06U10708-2 UNII report: The power summary at 802.11n 40MHz SDM mode does not agree with section 7.2.2. Actually only one channel 5190MHz was ever tested, the power level is also different.

<CCS Answer:> The report has been revised and is attached.

Question #6: Page 112 of 06U10708-2 UNII report shows MPE calculation was done with 4.37dBi gain for 40MHz SDM mode. Please explain where the gain comes from.

<CCS Answer:> The report has been revised and is attached.

Thank you and best regards,
September

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.