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TCB Review Comments

Date: 29 Sept 2006
RE: Broadcom
FCC ID: QDS-BRCM1022

After a review of the submitted information, I have a few comments on the above referenced application. Depending on your responses, kindly understand there may be additional comments. Additionally, if some of the issues / concerns below are not clear, please do not hesitate to email me for clarification.

- 1 Please review the notes on page 7 of 24 for operation in the 5.25 – 5.35 GHz. They appear to conflict regarding indoor / outdoor operation.
- 2 The C2PC request letter refers to B1 Silicon as having been changed. Please provide a description of the “B1 Silicon” component
- 3 Rx Radiated emissions: Summary of results indicates that a gasket was added. The report states that no modifications were made to the EUT yet the comments indicates that the gasket was over the EUT. Please elaborate
- 4 RX Emissions: Please outline the derivation of the PK limit of 48.2. It seems odd that the PK limit is below the AVG limit.
- 5 UNII MIMO: There does not appear to be any data regarding 802.11 N (MIMO) provided for the 5.15 – 5.35 GHz band.

Please reference the original grant. (Attached) The original power for the 5.15 – 5.25 GHz band is 0.01064W (10.26dBm) the power level presented in the report on page 83 / 103 for this band is 14.2 dBm. The transmit power cannot be increased with a permissive change.

FYI: Channel Power: The data for channel 1, 6 and 11 appears in the table on page 41 of 67, however the plot for 2437 MHz appears twice in the report while the plot for 2462 was omitted.

FYI: The summary of RX emissions indicates several 5 GHz channels yet also references EN 300-328.

FYI The first part of the part of the Part 15, Subpart E report appears to contain duplicate 2.4 GHz data from the Subpart C report.

Please note that the above issues were found while reviewing the FCC application. There may be additional questions associated with the Industry Canada review, which will be forwarded once the review has been completed.

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Examining Engineer

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Any questions about the content of this correspondence should be emailed directly to the sender.