

RE: Broadcom
FCC ID: QDS-BRCM1022

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.

Response: Correct the conflict. Statement now reflecting indoor use only as this was originally approval for indoors anyway.

2 The C2PC request letter refers to B1 Silicon as having been changed. Please provide a description of the “B1 Silicon” component

Response: B1 silicon is a lower power chip to extend the laptop battery life.

The Silicon update has been referenced in generic terms for the following reasons:

- The changes are all inside the Baseband IC and are therefore complex to explain.**
- The changes are to correct bugs some of which might include proprietary functionality which is Broadcom confidential.**
- The changes do not affect regulatory performance. We perform appropriate regression testing to ensure this.**

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

Response: This has been correct to state the modification that was made on the device.

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.

Response: Data has been corrected.

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.

Response: The applicant is aware that the Power, emissions, and Bandedges were tested above what was previously certified. The applicant further stated that the power would certainly be lowered to reflect what was previously approved too. I note has been place in the data to explain this accordingly.

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.

Understood

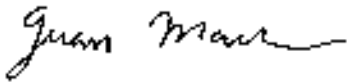
FYI: The summary of RX emissions indicates several 5 GHz channels yet also references EN 300-328.

Understood and has been corrected

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.

Understood this was done since a lot of the data was being collected all at the same time. Will separate next time.

Regards,

A handwritten signature in black ink, appearing to read "Juan Martinez", with a stylized, flowing script.

Juan Martinez
Sr. EMC Engineer