

Administrative

1. Please explain if simultaneous transmissions for both Bluetooth and 802.11 are supported. If so then radiated spurious emissions should be evaluated for both technologies operating at the same time. This information should be in the operational description, my apologies if I missed it. This may affect MPE report as it shows both chains being used for both 802.11 and Bluetooth.

[Broadcom: BT and 2.4GHz – no simultaneous transmission; BT and 5GHz can transmit simultaneously. EMC tests were performed to confirm that there were no additional emissions from the system with Bluetooth and 802.11an transmitters operating simultaneously than those measured for each transmitter operating individually. A copy of the test data has been provided.]

2. Test set up photos for all radiated emissions show both horn and bi-log antennas and absorber on the ground. Please confirm that absorber was removed for measurements below 1GHz and installed for measurements above 1GHz. For future reports consider including the frequency range in the title as with the introduction of ANSI C63.10:2009 you will have slightly different set-ups for below 1 GHz and for above 1GHz.

[UL-CCS 03-19-13] Yes, I confirm that we didn't use the absorbers below 1 GHz.

Bluetooth Basic Rate and EDR (DSS) Report

3. Please confirm that device was operating with 100% duty cycle, otherwise video bandwidth may need to be > 10Hz for average measurements. If analyzer was in a linear detection mode (plots show LgAv mode so this may not be the case).

[F.I. 03-19-13] Yes, I confirm that the duty cycle was 100%.

802.11 DTS Report

4. Please confirm that the power table value for power for channel 1, HT20 TXBF and VHT0 TXBF is 16.5dBm and is different to the 15.5dBm specification for HT20 non-beamforming modes.

[Broadcom: Based upon the data in the latest test plan yes this appears to be the case. We have seen up to 1dB difference in TBXF and nonTXBF radiated measurements in the past.]

5. Please check the justification for covering the 80MHz bandwidth SISO mode by the 80MHz MIMO modes. The power table lists the power per chain for the MIMO modes to be 17dBm but the power per chain for the SISO mode is listed as 18dBm.

[UL-CCS 03-19-13] implemented, in rev A of the report. Test for PSD and Conducted spurious were performed and added to the report.

802.11 NII Report

6. Please explain the client-to-client mode DFS tests and why they were performed. There is nothing to describe client-to-client mode in the operational description.

[TKL, 3/20/13: Client to client mode is when communication (traffic) is established between the EUT Slave to Master AND EUT Slave to Peer Slave. Please refer to the addendum to the operational description.