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June 10, 2011

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046

SUBJECT: **SAMSUNG Electronics Co. Ltd.**
Request for Technical Information
FCC ID: A3LGTI9100T
Correspondence Reference Number: 101847
Date of Request: May 4, 2011

To Whom It May Concern:

Please see the following responses regarding the OET questions sent from the FCC.

1) Please upload the missing tune-up procedure.

Response: Please note that the Tune Up Procedure is located at the end of the Parts List and Tune Up Procedure exhibit that was uploaded on 5/4/11.

2) Please kindly explain the non-occupancy period test for a client-only device. Was it the master or the client which was really tested?

Response: The non-occupancy period is a 30 minute spectrum analyzer sweep that ensured no signals or wireless communications of any sort is on the tested channel after the occurrence of the radar pulse. For example, once the radar signal is transmitted on channel 5280 MHz, then no signals should appear on this channel for at least 30 minutes. The test is performed using a radiated test setup inside of a anechoic shielded chamber with the receive horn antenna (connected directly to spectrum analyzer) pointed towards the client device. Care is taken to ensure that the client device transmissions are seen as higher emissions than those that may occur from the master device which is located outside of the receive horn beamwidth.

3) The channel move time of about 8.3 seconds in UNII-3 band is unusual for the Broadcom chipset. Is there a special reason? Although still within limit, was the EUT consistent in achieving < 10 s performance during tests?

Response: We have tested the Broadcom chipset before and agree that it seems to deviate from expectation but the EUT is consistent in achieving < 10s performance during the tests. Because of the extended time of 8.3 seconds, the test was performed several times to confirm this, as well as confirming that the EUT was consistent in not having any transmissions beyond 10 seconds.

4. The tables in Section 16.4 of the SAR reports do not have any explanation of conditions. For example, does Table 16-1 refer to the simultaneous voice call in 2.4 GHz hotspot mode operation?

Response: Please find additional notes added to the tables in section 16.4 (Pages 38-39) of the revised SAR report explaining the specific user conditions per table. Please note that we have superseded and replaced the original RF Exposure Info 1 with a revised RF Exposure Info 1 exhibit.

5. Please provide justification for mathematical sums in Section 16.4 instead of SAR measurements.

Response: Please find justification for providing mathematical sums in Section 16.4 on page 37 of the revised SAR report.

Should you have any questions or comments concerning the above, please contact the undersigned.

Randy Ortanez
President