



Date: 7 August 2012

Federal Communications Commission
Office of Equipment Technology
Equipment Authorizations

Sent via E-Mail

Re: Correspondence IHD120810 (2 August 2012); Confirmation Number: 1Y1207270810~15, for FCC ID: IHDT56NS1.

Dear Sir or Madam,

Motorola Mobility, Inc., 8000 W. Sunrise Blvd.; Suite A; Plantation, FL, herein submits its response to your 2 August 2012 request for further information on FCC ID: IHDT56NS1.

Q 1. The Cover Letter references LTE channels “up to 10 MHz in bandwidth”, however, the LTE EMC report only provides data for a single 10 MHz channel centered at 782 MHz. If the EUT is actually capable of operating either with multiple bandwidth emissions, or on any frequencies other than 782 MHz, then additional data will be required. Please clarify.

Response:

The EUT that is the subject of the application does not support multiple bandwidths. The Cover Letter has been amended to clarify this point.

Q 2. The licensed transmitters’ RF block diagrams (portion of p.2 and p.3 of the Block Diagrams Exhibit) do not list any clock/osc/XTAL input values. Please revise to show all such inputs’ values.

Response:

The Block Diagrams exhibit has been modified to clarify the clock oscillators used in the device for licensed transmitters (Section 4.2).

Q 3. The high level block diagram on p.2 of the Block Diagrams Exhibit does not show the values of any of the clk/osc/XTAL's used by the EUT's digital circuitry (e.g., CPU, CAM clks, etc.). This information is required as part of the JBP application for the EUT, and is used to determine the correct upper frequency range for spurious radiated emission measurements in the JBP EMC report. Please revise the block diagram to include this information. (I note that the NG1 block diagram did appear to show at least some of these values).

Response:

The Block Diagrams exhibit has been modified to clarify the clock oscillators used in the device (Section 4.1).

Q 4. Section 12.4.6 of the Operational Description, as well as other Sections, describes various power reduction schemes implemented "to ensure SAR compliance." However, from the DTS EMC report it appears that power reduction has also been implemented for the 2.4 GHz 11g and 11n bandedge channels, to facilitate bandedge compliance. Is this the case? If so, please revise the Operational Description to also describe the nature of this non-SAR-related power reduction.

Response:

This device does implement a 2 dB reduction in power for Channels 1 and 11, as you observed. We have amended the Attestation (Section 2.3) and Operational Description (Section 12.4.5) documents to this effect.

Q 5. The DTS EMC report includes 11n-40 data on the channel at 5815 MHz (ch.163), however, the Table at the top of p.19 of the Operational Description does not include Footnote "2" with the "No" in the Utilized column for this frequency. Please reconcile.

Response:

The device description within the Operational Description document has been amended to reflect the use of this channel.

Q 6. FYI: Review of the SAR, HAC & T-Coil reports has not yet been completed. Any additional questions pertaining to those reports will be sent to you as soon as the review is complete.

Response:

Understood.

If you have any questions, please contact me at (954) 723-6272, or via e-mail.

Sincerely,

John Lewczak (signed)

Engineering Manager
Product Safety and Compliance
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