



**MOTOROLA**

**Date:** Aug 12, 2009

**Subject:** Request for additional information regarding FCC ID: IHDT56KS1

**Reference:**

Correspondence Reference Number: IHD90923  
Confirmation Number: 907280923-5  
Date of Original Email: Aug 4, 2009

**Prepared by:**

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Questions and responses follow:

1. Please resubmit the BT Block Diagram, including more detail (the entire TX is shown as a single box).

**Response:** [Please refer to the revised Exhibit 4 submitted online.](#)

2. What is the peak gain of the BT antenna?

**Response:** [Please refer to the revised Exhibit 6A1 submitted online. The BT antenna gain is addressed on page 5 of the report.](#)

3. The licensed transmitter Block Diagram does not show the clocks/oscillators- please revise.

**Response:** [Please refer to the revised Exhibit 4 submitted online.](#)

4. The licensed transmitter Operational Description only lists cellular and PCS band capability (not AWS). Please revise.

**Response:** [Please refer to the revised Exhibit 12 submitted online.](#)

5. Several items in the 22/24/27 EMC report are listed as being past cal due at the time of testing, with no replacement equipment in the list (p.5/31). Please address.

**Response:** [Please refer to the revised Exhibit 6 submitted online.](#)

6. A PCS band PAR plot was provided. Please provide the PAR plot for the AWS band emission.

**Response:** [Please refer to the revised Exhibit 6 submitted online.](#)

7. The EMC Analyzer is listed in the BT report as being past cal due at the time of testing, with no replacement equipment in the list. Please address.

**Response:** [Please refer to the revised Exhibit 6A1 submitted online.](#)

8. Page 3/51 of the SAR report lists the BT power as 4 dBm, but measured data shows the BT power as being more than 5 dB higher than this. Please revise.

**Response:** [Please refer to the revised Exhibit 11 submitted online.](#)

9. Page 15/51 of the SAR report- when we scale the SAR level to compensate for high tissue permittivity, we obtain a result of 1.59 (not 1.58). Please provide your calculations.

**Response:** [Please refer to the revised SAR report submitted online. Also note that the highest SAR value for the "head" configuration has been updated, so the SAR date in the user's manual is updated accordingly. Please refer to the revised user's manual submitted online as well.](#)

10. The maximum body SAR listed in the user's manual should not be the summed SAR (licensed + BT), but the highest measured stand-alone SAR level. In this case, the manual lists 1.59, but this value may end up remaining valid, depending on your response to question 9 (above).

**Response:** [Please refer to the revised Exhibit 8 submitted online.](#)

11. Appendix 6 of the SAR report- the Dipole Characterization Certificate is missing. Please submit.

**Response:** [Please refer to the revised Exhibit 11 submitted online.](#)

12. FYI: Page 18 of the 22/24/27 EMC report, the top plot- the marker is set at a point outside of the viewable range, but compliance can still be ascertained from the plot.

**Response:** [Noted.](#)

13. Exhibit 6B1 and Exhibit 11 indicates two Battery types tested; however Exhibit 6B2 indicates 4 battery types available. Please include evaluation for the other two batteries or please clarify.

**Response:** Please refer to the revised Exhibit 6B1, Exhibit 6B2 and SAR report submitted online to include 4 battery types.

**Request:** Due to product security 'leaks' on the internet, we would like confidentiality on the HAC statement. And per agreement with the TCB, we now put the HAC statement under exhibit 8 for a STC and revised Exhibit 2 submitted online to exclude that information.