



MOTOROLA

Date: October 21, 2003

Subject: Request for additional information regarding FCC ID: IHDT56DG1 (Portable Cellular/PCS AMPS/CDMA transceiver)

Reference:

Application Received:	9/23/2003
Correspondence Reference Number:	231009A.IHD
Confirmation Number:	TC3241
Date of Original Email:	10/9/2003

Prepared by:

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Questions and responses follow:

1. What instrument settings (i.e., RBW, VBW, detector function) were used to make both spurious radiated and conducted emission measurements?

Response: Please refer to supplemental Test Report (DG-EX06A) submitted on October 21, 2003.

2. The conducted output power for AMPS operation listed on p.8 of the EMC report is greater than the value listed on p.3 of the SAR report. FCC policy requires that the output power levels in the SAR report be equal to or greater than those in the EMC report. Please address.

Response: The conducted power listed on page 3 of the SAR report represents the maximum levels which meet factory specifications and may be marketed. To ensure "worst case" compliance testing it is our policy to test using power levels at or slightly above this maximum for both the EMC test report and the SAR report. In particular, the maximum tested AMPS power is shown below. These power levels meet the FCC policy for relative EMC and SAR power.

Max Marketed PWR	Max PWR EMC	Max PWR SAR
26.7 dBm	26.85 dBm	26.86 dBm

3. Please provide occupied bandwidth measurements for both Part 22 and Part 24 CDMA operation.

Response: Please see pages 20 and 26 of the test report.

4. Page 9 of the EMC report indicates that the EIRP was measured with BAP mode, when, for CDMA operation, MAP mode should have been used. Please address.

Response: The test EMC report incorrectly indicated BAP mode. The radiated power was actually measured with the *Gigatronics 8542C Power Meter* in the "Mod Avg" Mode.

5. Please submit the modulation characteristics (frequency response) plots for AMPS operation required by Section 2.1047.

Response: Please refer to supplemental Test Report (DG-EX06A) submitted on October 21, 2003.

6. Several cellular band SAR plots list Power Step 2. Please confirm that measurements were performed at the highest available power output.

Response: Please refer to the supplemental SAR report submitted on October 21, 2003.

7. Please provide SAR data plots for: left head touch for both cellular and PCS; left head tilt for PCS; right head tilt for cellular; body antenna extended for cellular AMPS; body for PCS.

Response: Please refer to the supplemental SAR report submitted on October 21, 2003

8. In Fig.2 (p.12) of the SAR report, the contour overlay does not appear to cover the entire antenna area. Please address.

Response: Please refer to the supplemental SAR report submitted on October 21, 2003

9. What separation distance was used for body SAR tests? None is indicated.

Response: Please refer to the supplemental SAR report submitted on October 21, 2003

10. Please provide additional internal photos of the EUT's pcb's with all shielding removed.

Response: Please refer to Exhibit 9A, submitted on October 21, 2003

11. Please enter the maximum measured SAR levels on pages 73 and 74 of the user's manual.

Response: Please refer to Exhibit 8A, submitted on October 21, 2003