



**MOTOROLA**

**Date:** November 7, 2003

**Subject:** Request for additional information regarding FCC ID: IHDT56DP1 (Cellular/PCS transceiver)

**Reference:**

Application Received: 9/22/2003  
Correspondence Reference Number: 231105A.IHD  
Confirmation Number: TC3239  
Date of Original Email: 11/05/2003

**Prepared by:**

Andrew Bachler, Principal Staff Engineer  
Motorola Personal Communications Sector  
Libertyville, Illinois

**Questions and responses follow:**

1. Both the AMPS and PCS conducted output power levels are listed as being higher in the EMC report than the measured values in the SAR report, by 0.89 dB and 0.98 dB, respectively. Please address.

**Response:** The values in the SAR report are correct, but the values in the EMC report are in error. Please refer to the revised EMC report submitted on November 7, 2003.

2. The 900 MHz validation plots taken on 9/4/03 do not list the actual SAR values. Please resubmit with the values included.

3. The z-axis plot for the 1800 MHz validation test does not list the actual SAR value. Please resubmit with the value included.

4. Please submit the SAR plots, worst case, for the following configurations:

- AMPS right head touch
- AMPS right head tilt
- CDMA left head tilt
- AMPS body belt clip rotated 90 degrees
- AMPS body leather pouch

5. Please correct the typo on p.8 of the SAR report: conversion factors for 835 MHz and 1900 MHz are reversed.

6. Please submit photos of the body-worn accessories showing the separation distance that they provide from the body.

**Response:** For questions 2-6, refer to the supplemental SAR report submitted on November 7, 2003.

7. Page 9 of the EMC report states that Burst AVG mode was used to measure CDMA power output. Should this be MAP mode?
8. Please submit the modulation characteristics plots for AMPS, per Section 2.1047.
9. What settings (RBW, VBW, detector function) were used to measure spurious conducted emissions?
10. Please submit the occupied bandwidth plots for CDMA and PCS. The plots submitted do not indicate the actual occupied bandwidth values.
11. Please submit the upper bandedge plot (1910 MHz) for PCS. The plot submitted is for 1895 MHz.
12. FYI: in the future, please use RBW = 100 kHz for spurious radiated and conducted emissions for Part 22 operation.

**Response:** For questions 7-12, please refer to the revised EMC report submitted on November 7, 2003.

13. Please correct p.134 of the user's manual to include the actual measured SAR values in the info to user.

**Response:** Please refer to the supplemental users manual (Exhibit 8A) submitted on November 7, 2003.