



MOTOROLA

Date: December 19, 2005

Subject: Request for additional information regarding FCC ID: IHDT56FX1 (Portable PCS GSM transceiver)

Reference:

Application Received: 11/17/2005
Correspondence Reference Number: 151117A.IHD
Confirmation Number: 1511170558
Date of Original Email: 12/15/05

Prepared by:

Andrew Bachler, Principal Staff Engineer
Motorola Mobile Device Business
Libertyville, Illinois

Questions and responses follow:

1. Regarding the use of cdma2000, filings should be clear about transmitter setup & operation capabilities to ensure devices are configured properly according to communication protocol and operating requirements in order to obtain valid SAR results. Please address the following questions.
 - a . What is the CDMA MS Protocol Revision number?
 - b . Please address the applicability of test codes to simulate the required test conditions.
 - c . Please identify the CDMA Radio Configurations, Service Options, multiplex options, voice/data, code channel combinations and options available to the EUT.
 - d . Please identify the CDMA Radio Configurations, Service Options, multiplex options, voice/data, code channel combinations and options used for the SAR tests.
 - e . Because of the different RC's, SO's, data rates, channel combinations and modulations, the filing should include justification for the selection of applicable configurations used to establish and maintain maximum output in order to demonstrate SAR compliance for other configurations that were not tested. Please provide the justification for the specific combination(s) used during the SAR tests.

RESPONSE: Please reference Supplemental SAR Report Exhibit 11A submitted on 12-19-05

2. Does the EUT employ EV-DO? If so,
Body-worn SAR should be repeated in EV-DO (Rev. 0 only) using the CDMA 2000 body-worn channel configuration that resulted in the highest SAR among the various Radio Configurations in this frequency band (that is, just a single SAR test for EV-! DO, as a sanity check). If this EV-DO SAR is greater than the highest body-worn SAR in CDMA 2000, perform body-worn SAR for the other 2 channels (among the required H, M, L channels).

Note: EV-DO operates independently of CDMA 2000 with different modulation, channel and protocol structures. It is not an integral part (seamless) of the CDMA 2000 structure, but overlays the 1x structure. EV-DO Rev A allows 307 kbps and higher order modulations; therefore, may need additional considerations. The above procedures applies to single band CDMA 2000 1x handsets with built-in EV-DO (Rev. 0) using the

same transmit path hardware. Please contact us if the device in question operates in other configurations or EV-DO does not apply to body-worn conditions.

RESPONSE: Please reference Supplemental SAR Report Exhibit 11A submitted on 12-19-05

3. Regarding the HAC test report, please provide details of the WD's signal. Include wideband and 0 span spectrum analyzer plots. How was the signal set up and controlled? What settings were used i.e. power control modes, and radio service mode. Also, please include details of what exact standard the CDMA radio is capable of using i.e. IS-95.

RESPONSE: Please reference Supplemental HAC Report Exhibit 6C submitted on 12-19-05

4. Regarding the HAC test report, please provide additional details justifying the conversion to peak; particularly the procedure used to measure power. Provide 0 span spectrum plots.

RESPONSE: Please reference Supplemental HAC Report Exhibit 6C submitted on 12-19-05

5. Please provide a table listing the RBW/VBW/detector used to perform cellular cdma occupied bandwidth and bandedge measurements.

RESPONSE: Please reference Supplemental EMC Report Exhibit 6B submitted on 12-19-05

6. Please provide the lower conducted bandedge plot for the PCS band.

RESPONSE: Please reference Supplemental EMC Report Exhibit 6B submitted on 12-19-05

7. Please provide a statement affirming compliance with the Wireless 911 Call Processing requirement of Section 22.921 for AMPS operation.

RESPONSE: Please reference Exhibit 2C submitted on 12-19-05

8. Please provide a statement affirming compliance with ANSI TIA/EIA 553-A-1999 for AMPS operation.

RESPONSE: Please reference Exhibit 2C submitted on 12-19-05