



MOTOROLA

Date: July 9, 2004

Subject: Request for additional information regarding FCC ID: IHDT5EH1 (Portable Cellular AMPS/CDMA transceiver)

Reference:

Application Received:	6/18/2004
Correspondence Reference Number:	240702A.IHD
Confirmation Number:	TC4224
Date of Original Email:	7/2/2004

Prepared by:

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Questions and responses follow:

1. Section 22.917(b) requires that out of band measurements in the first 1 MHz band immediately outside and adjacent to the frequency block (i.e., bandedges) be made with a RBW greater than or equal to 1% of the emission bandwidth. In the test report, bandedge measurements for CDMA operation were made with RBW = 10kHz, which is less than 1% of the emission bandwidth. Please address.

Response:

The bandedge measurements are resubmitted using the integration method and an effective 13 kHz bandwidth to satisfy the RBW requirement. Please refer to the attached plots.

2. Please submit SAR plots for the body-worn, front of phone facing the phantom configuration (both AMPS and CDMA).

Response: Please refer to the supplemental SAR report submitted on July 9, 2004.

3. Please correct the following typos in the SAR report: (a) p.4- incorrect Recommended Limits for the Tissue Parameters for body values are listed, (b)

p.5- the Dipole Validation Target Value does not match the value listed in the Dipole Characterization Certificate.

Response: Please refer to the supplemental SAR report submitted on July 9, 2004.

4. Please submit the User's Manual.

Response: The user's manual was submitted on July 6, 2004.

Band Edge Measurements

CFR47 Part 2.1049, 22.917

Measurement Procedure

The RF output port of the equipment under test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. The amplitude of the spectrum analyzer is corrected for the attenuator and any other applicable losses. The analyzer is set for Peak Detector and each trace is set for Max Hold. A fully charged battery was used for the supply voltage.

The middle channel within the designated frequency block was measured. For digital modulation, the lower and upper band edge plots are displayed.

The plotted data shown for the band edge measurements is representative of data taken with a true 13 kHz resolution bandwidth filter. The raw data was taken using a 1 kHz resolution bandwidth and was integrated to produce a response representative of data taken using a true 13 kHz resolution bandwidth filter.

Instrument Settings

Plot	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Sweep Points (#)	Trace Mode	Detector	Samples (\geq #)
Lower Band Edge – CDMA 800	1	Auto	2002	Clear Wrt	Peak	30
Upper Band Edge – CDMA 800	1	Auto	2002	Clear Wrt	Peak	30

Measurement Results

Measurement Results – CDMA 800

CDMA 800 – Lower Band Edge – Channel 1013 (824.7 MHz)



CDMA 800 – Upper Band Edge – Channel 777 (848.31 MHz)

