Date: June 8, 2004

Subject: Request for additional information regarding FCC ID: IHDT56ET1 (Portable Cellular/PCS AMPS/CDMA Transceiver)

Reference:

Application Received:	5/24/2004
Correspondence Reference Number:	240608A.IHD
Confirmation Number:	TC4181
Date of Original Email:	06/08/04

Prepared by:
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Questions and responses follow:

1. Two items in the EMC report are listed as being past their cal due date. Please address.

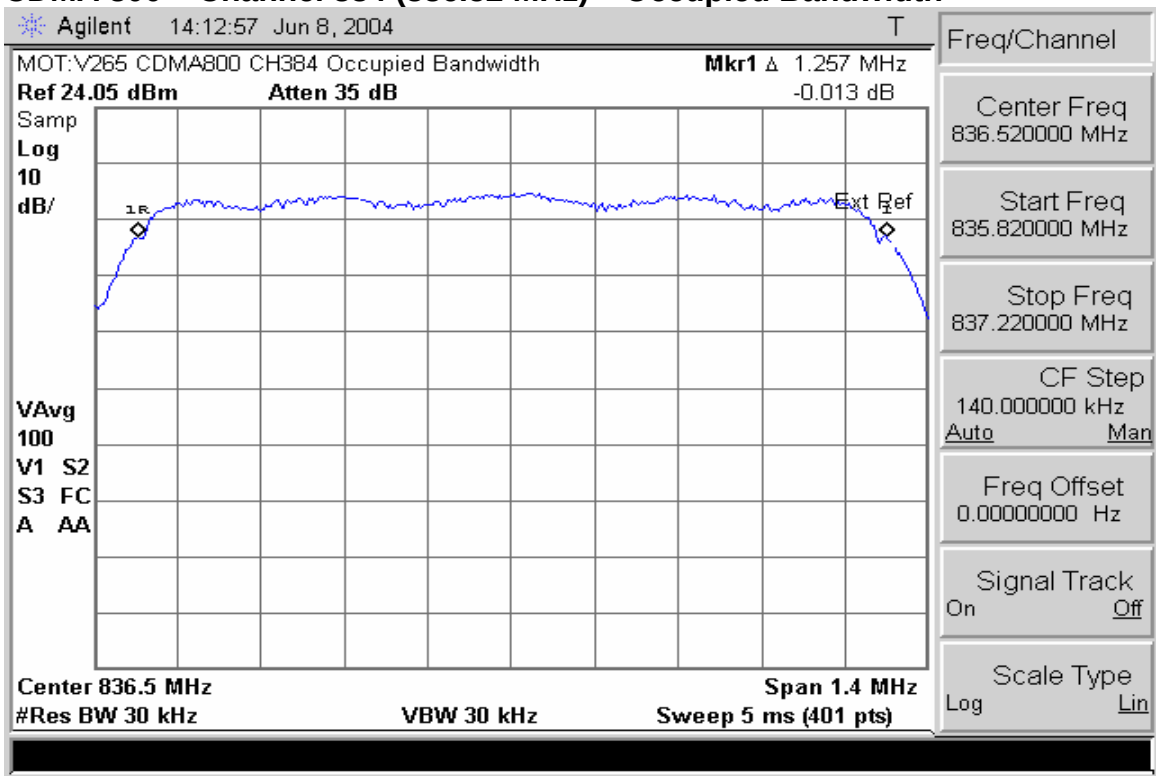
Response: Please refer to the following updated equipment calibration table.

Manufacturer	Equipment Type	Model No.	Serial Number	Cal. Due Date
Rohde & Schwarz	Receiver	ESI26	838786/010	5/17/2005
Hewlett-Packard	EMC Analyzer	8593EM	3536A00118	10/2/2004
Hewlett-Packard	EMC Analyzer	7405	US39440191	11/13/2004
Miteq	Preamplifier 0.1-26.5GHz	NSP2650-NF-S	966350	1/8/2005
ETS	DRG Horn Antenna	3115	6222	9/29/2004
A.H. Systems Inc.	DRG Horn Antenna	SAS-2--/571	365	12/17/2004
ETS	Log-Periodic Antenna	3148	1188	3/5/2005
ETS	Biconical Antenna	3110B	3370	11/14/2004
Attenuator	Weinschel	AS-6	6675	10/14/2004
Attenuator	Weinschel	AS-6	6677	11/4/2004
Rohde & Schwarz	Mobile Test Set	CMD 80	DE29008	N/A
Hewlett-Packard	Signal Generator	83623B	3844A01195	6/20/2004
Thermotron	Environmental Chamber	S-4	31580	1/5/2005
Hewlett-Packard	Pre-Amplifier	8347A	3307A02001	11/4/2004
Agilent	Power Meter	EE4418B	GB40206388	12/5/2004
Agilent	Power Sensor	E4412B	US38486321	11/23/2004
Hewlett-Packard	Pre-Amplifier	8447F	2805A03419	5/19/2005

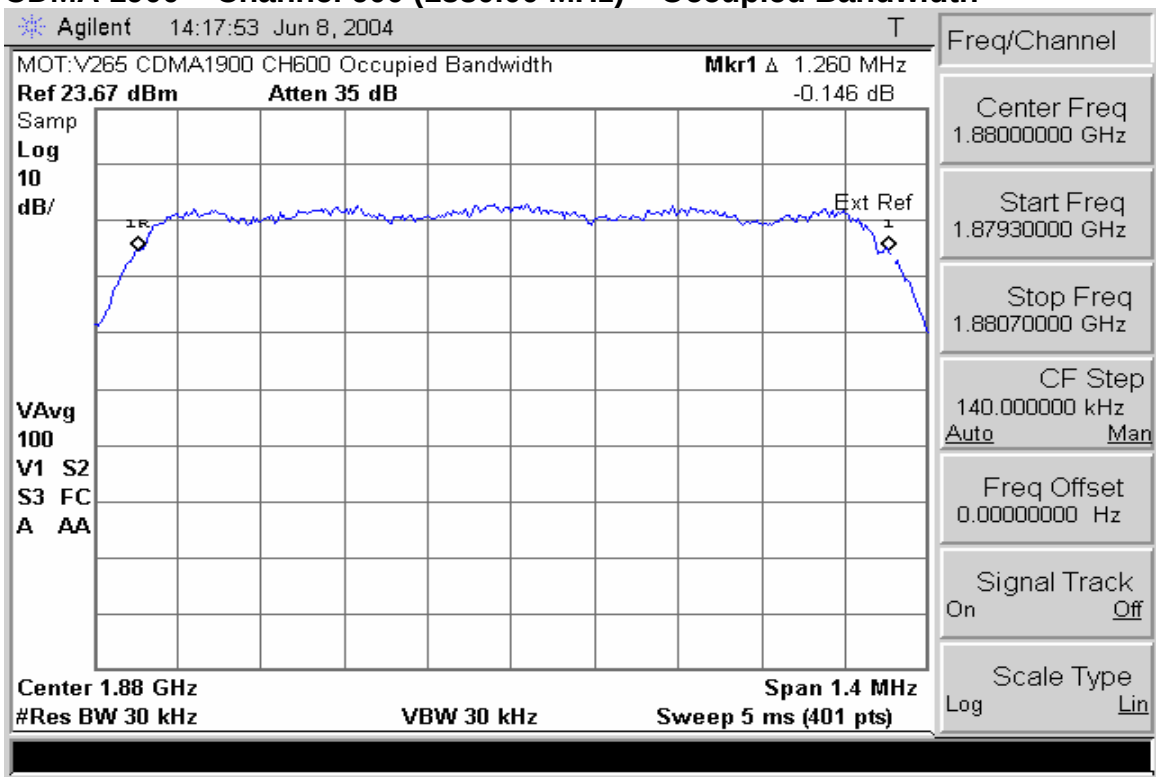
2. Please provide occupied bandwidth plots for both cellular CDMA and PCS CDMA operation.

Response: Please refer to the following plots:

CDMA 800 – Channel 384 (836.52 MHz) – Occupied Bandwidth



CDMA 1900 – Channel 600 (1880.00 MHz) – Occupied Bandwidth



3. The CDMA 800 right touch SAR plot lists "Antenna Retracted" for channel 384, but the data table on p.7 of the SAR report lists the SAR value for "Antenna Extended". It appears that the typo might be on the SAR plot. Please address.

Response: Motorola confirms that this is a typo on the SAR plot. The original DASY data file had the typo in it and the typo was carried over into the output plot. A corrected SAR plot is included as Appendix A.

4. Can the EUT be used at the head with the flip cover closed? If so, more SAR data will be required.

RESPONSE: The EUT can not be used at the head with the flip cover closed. Closing the flip cover terminates the call unless a headset is plugged in.

5. Please confirm that the following are typos: (a) the power level on p.7 of the EMC report at 1908.75 MHz is missing a decimal point, (b) Page 8 of the EMC report lists the BAP function as being used to measure EIRP, instead of the MAP function normally used for CDMA, (c) Page 8 of the EMC report lists the incorrect tuning range for CDMA operation.

RESPONSE: Agreed:

(a) The corrected conducted power level at 1908.75 MHz is 25.13 dBm
(b) The “Mod Average” function was used in the CDMA EIRP measurements
(c) The correct CDMA frequencies are:

CDMA 800
824.70 MHz
836.52 MHz
848.31 MHz

Appendix A

Correct SAR Plot

05/18/04 13:59

A8EE8925

Ch#384 / Pwr Step:ALWAYS UP
Antenna Position: EXT
Type of Modulation: CDMA 800
Battery Model #: SNN5723A
DEVICE POSITION (cheek or rotated): CHEEK
Accessory Model #: ???
R1 TP-1005 SUGAR SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 836 MHz
Probe: ES3DV3 - SN3037 - IEEE Head; ConvF(6.10,6.10,6.10); Crest factor: 1.0; 835 MHz Head & Body: $\sigma = 0.91$ mho/m $\varepsilon_r = 41.6$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.709 mW/g, SAR (10g): 0.466 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.1 (11.8, 17.1) [mm]
Powerdrift: -0.30 dB