



MOTOROLA

Date: June 9, 2004

Subject: Request for additional information regarding FCC ID: IHDT56EF1 (Portable Cellular/PCS CDMA transceiver)

Reference:

Application Received:	05/24/2004
Correspondence Reference Number:	240609A.IHD
Confirmation Number:	TC4180
Date of Original Email:	06/09/2004

Prepared by:

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Questions and responses follow:

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

Response: Please refer to the following revised equipment calibration list:

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 procedure and plots:

OCCUPIED BANDWIDTH

CFR Part 2.1049, 22.917, 24.238

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.

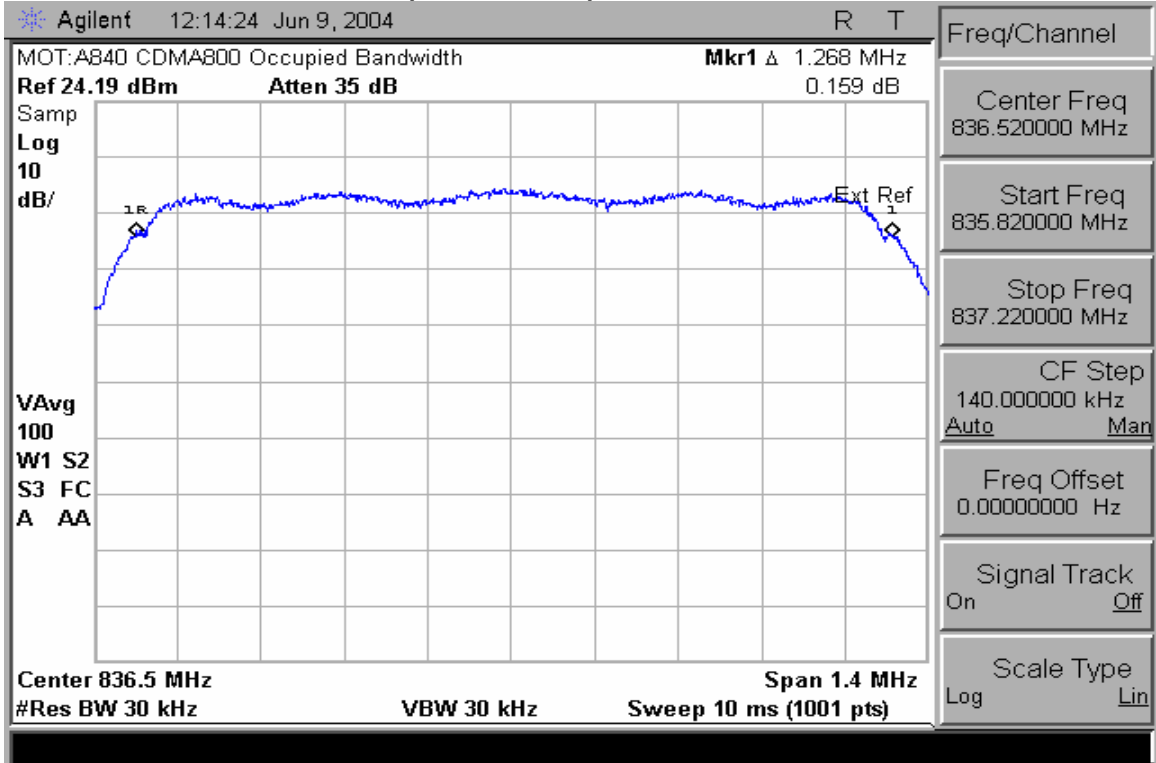
The middle channel within the designated frequency block was measured. For digital modulation, the lower and upper band edge plots are displayed.

Measurement Results

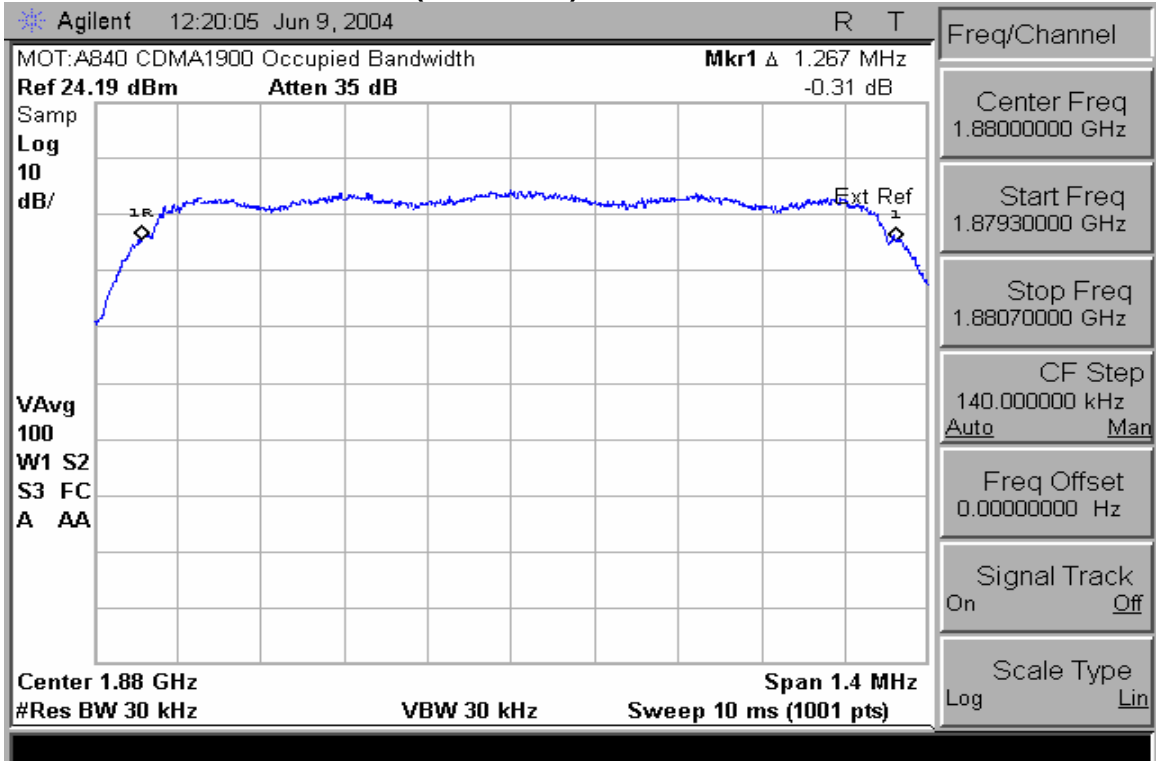
Attached

Measurement Results – CDMA 800 & CDMA PCS

CDMA 800 – Channel 384 (836.52 MHz) OCBW RESULTS



CDMA 1900 – Channel 600 (1880 MHz) OCBW RESULTS



3. There is a discrepancy between the conductivity value for 1880 MHz body tissue measured on 5/10/04 on p.4 of the SAR report (1.59) and the SAR plots (1.58). Please clarify.

Response: Please refer to the supplemental SAR report submitted on 6/9/04

4. Please clarify the model numbers of the body-worn accessories- there are discrepancies between the SAR report and the SAR plots.

Response: Please refer to the supplemental SAR report submitted on 6/9/04

5. Please confirm that the following is a typo: 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.

Response:, Confirmed. The Modulation Average mode was used during the EIRP measurements.