Applicant: Motorola, Inc.
Date: March 20, 2007
Subject: Request for additional information regarding FCC ID: IHDT56HX1

Reference:

Correspondence Reference Number:	IHD7090
Confirmation Number:	702090090-92
Date of Original Email:	March 09, 2007

Questions and responses follow:

1. The Bluetooth 20 dBc bandwidth plot was not measured correctly. The markers should be set at the widest possible 20 dBc points of the emission (they were not). Please remeasure and submit new data.

Response: Please refer to the following:

20dB Bandwidth

CFR 47 Part 15.247

Measurement Procedure

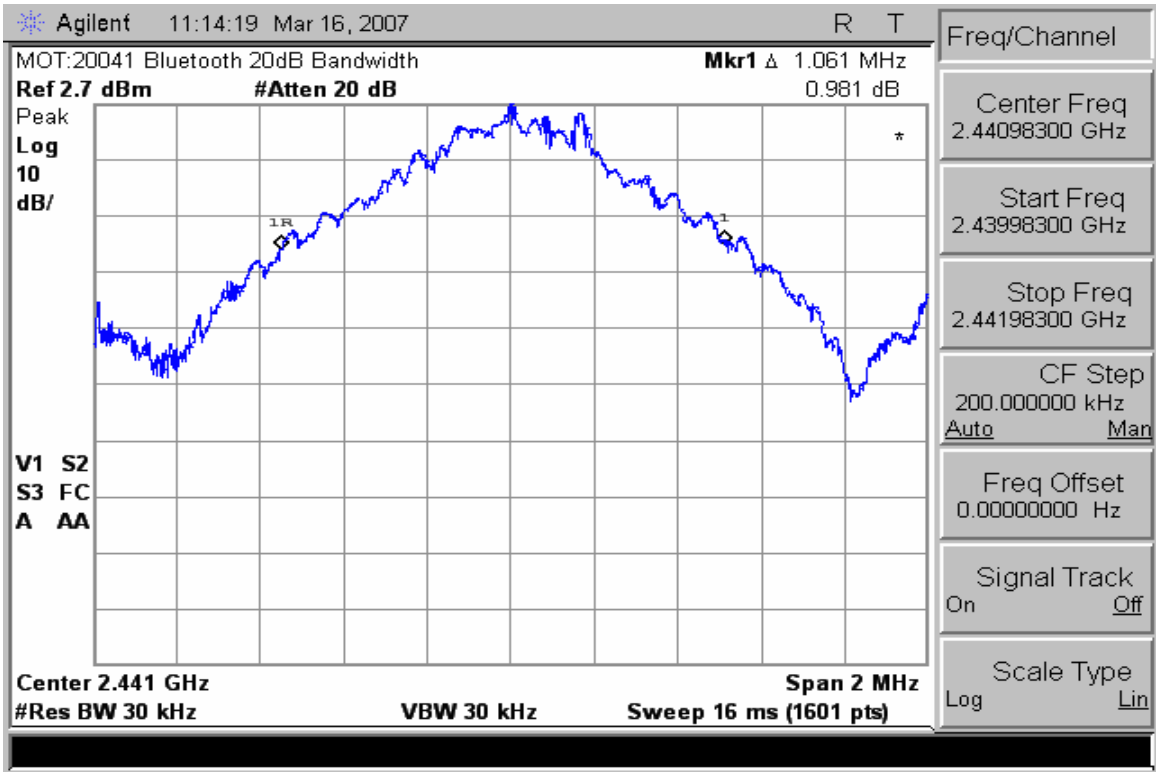
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = approx. 2 to 3 times the 20dB bandwidth, centered on a hopping frequency
2. RBW ≥ 1% of the 20dB span
3. VBW ≥ RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

The trace was allowed to stabilize. The EUT was transmitting at its maximum data rate. The marker-to-peak function was used to set the marker to the peak of the emission. The marker-delta function was used to measure 20dB down one side of the emission. The marker-delta function and marker was moved to the other side of the emission until it was even with the reference marker. The marker-delta reading at this point was the 20dB bandwidth of the emission.

Measurement Results



2. The Environmental Chamber in the Part 22/24 EMC Test Report is listed as being past its cal due date. Please address.

Response: The calibration date was a typo. Please refer to the following corrected information:

Thermotron	Environmental Chamber	S-4	31580	1/31/08

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