



MOTOROLA

Date: October 24, 2003

Subject: Request for additional information regarding FCC ID: IHDT56DX1 (Portable GSM transceiver)

Reference:

Application Received:	10/15/2003
Correspondence Reference Number:	231024A.IHD
Confirmation Number:	TC3263
Date of Original Email:	10/24/2003

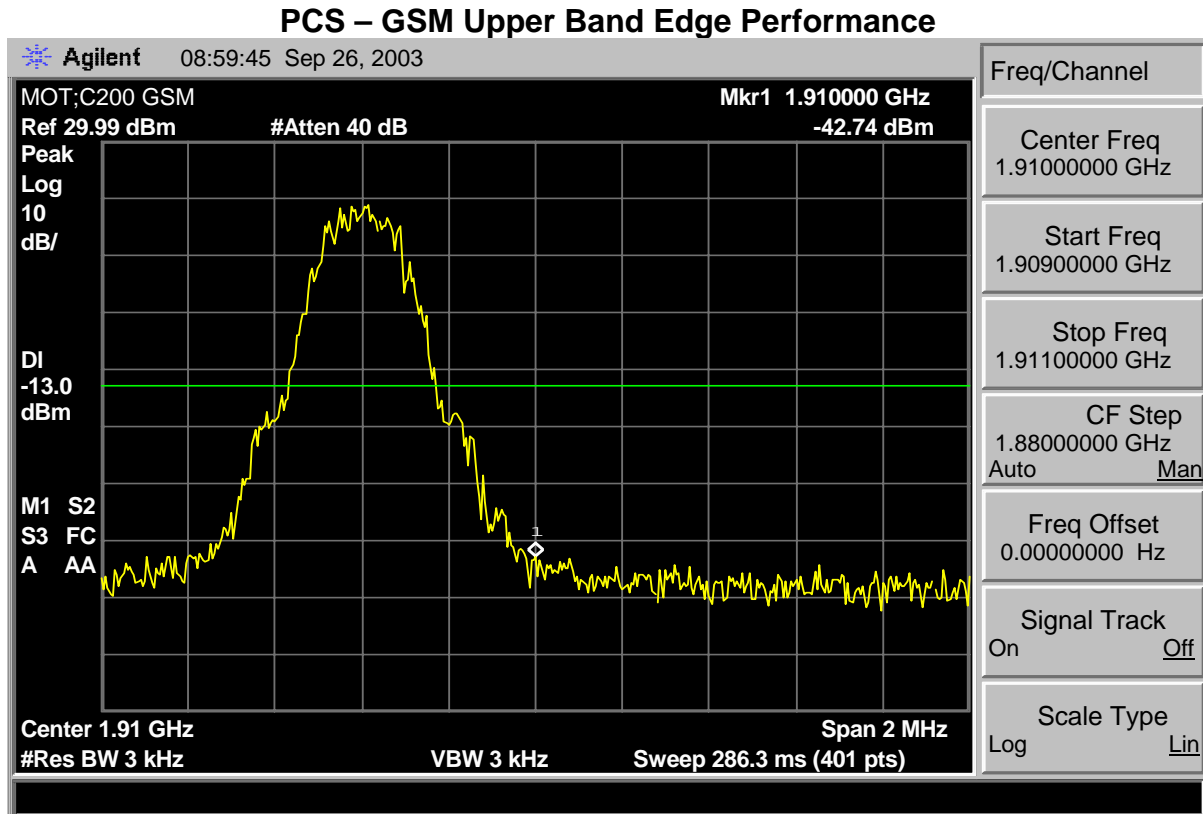
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Questions and responses follow:

1. Please submit the upper bandedge plot for PCS operation (i.e., 1910 MHz). The plot that was submitted is at 1895 MHz.

Response: Please refer to the following plot.



2. What settings (RBW, VBW, detector function) were used to measure both spurious conducted and spurious radiated emissions?

Response: Please refer to the following table.

Conducted/Radiated Emissions Equipment Settings

Test	Technology	Band	FCC Part	RBW (MHz)	VBW (MHz)	Detector	Trace	Sweep Time
Spurious Conducted Emissions	GSM	850	22	0.1	Auto, ≥ RBW	Peak	Max Hold	Auto - Cal
Spurious Conducted Emissions	GSM	1900	24	1	Auto, ≥ RBW	Peak	Max Hold	Auto - Cal
Spurious Radiated Emissions	GSM	850	22	0.1	Auto, ≥ RBW	Peak	Max Hold	Auto - Cal
Spurious Radiated Emissions	GSM	1900	24	1	Auto, ≥ RBW	Peak	Max Hold	Auto - Cal
Spurious Radiated Emissions	GSM	850	15.109	0.12, 1 *	Auto, ≥ RBW	Peak, QP, Ave **	Max Hold	Auto - Cal
Spurious Radiated Emissions	GSM	1900	15.109	0.12, 1 *	Auto, ≥ RBW	Peak, QP, Ave **	Max Hold	Auto - Cal

Notes:

1. Resolution bandwidth adjusted based on emission frequency:
 - 120 kHz RBW used for emissions from 30 MHz - 1 GHz
 - 1 MHz RBW used for emission greater than 1GHz.
2. The detector used was adjusted based on emission frequency (Prelim sweeps made with peak detector):
 - QP used for emissions from 30 MHz - 1 GHz
 - Average used for emission greater than 1GHz.

3. Page 4 of the SAR report lists both dipole validation kits as past their cal due dates. Please correct.

Response: Please refer to the supplemental SAR report submitted on October 24, 2003.

4. Please submit the following SAR plots: left head touch for both cellular and PCS; right head tilt for both cellular and PCS; right head touch for PCS with accessory MOTFL0076K; right head touch for cellular with accessory MOTPL0205K; both cellular and PCS body plots with accessory MOTFL0076K; both cellular and PCS body plots with accessory MOTPL0205K.

Response: Please refer to the supplemental SAR report submitted on October 24, 2003.

Proposed Grant Listings:

Portable Cellular/PCS GSM Transceiver

Part 22H	824.2 - 848.8 MHz	0.796 W	0.1ppm	263KGXW
Part 24E	1850.2 - 1909.8 MHz	1.95 W	0.1ppm	265KGXW

Response: Motorola requests a nominal bandwidth of 250 KHz.