Date: January 27, 2004

Subject: Request for additional information regarding FCC ID: IHDT56DW1 (Portable GSM transceiver).

Reference:
Applicant Received: 01/16/2004
Correspondence Reference Number: 240126A.IHD
Confirmation Number: TC4018
Date of Original Email: 01/26/2004

Prepared by:
Andrew Bachler, Principal Staff Engineer
Motorola Personal Communications Sector
Libertyville, Illinois

Questions and response follow:

1. What detector function was used to measure both spurious conducted and spurious radiated emissions?

Response: Please refer to the following chart.

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

* 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.

** 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.

2. Please submit the following SAR plots: cellular left head touch, PCS left head touch, cellular left head tilt, PCS right head tilt.

Response: Please refer to the supplemental SAR report.

3. Please correct the following typos: (a) p.5 of the SAR report- 900 MHz validation data taken 12/31/03 should be 11.16, per the data plot, (b) p.9 of the SAR report- conversion factor for 835 & 1900 MHz should be 6.1, 4.6, respectively.

Response: Please refer to the supplemental SAR report.