



Applicant: Motorola, Inc.
Date: October 3, 2006
Subject: Request for additional information regarding FCC ID: IHDT56GX1

Reference:
Correspondence Reference Number: IHD0476
Confirmation Number: 1608110476/0477/0478
Date of Original Email: September 18, 2006

Questions and responses follow:

1. Please include a power table in the EMC test report to address the output power verification issues in the FCC May/June 2006 guidance for WCDMA listed below.

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1s". Results for all applicable physical channel configurations (DPCCH, DPDCH_n and spreading codes) should be tabulated in the test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations should be clearly identified.

RESPONSE: Please refer to the following table:

Conducted power (dBm) for WCDMA modes			
	Channel	RMC	AMR
WCDMA	4132	23.63	23.63
850	4180	23.84	23.83
	4233	23.85	23.86

2. Please describe the call configuration used for Head and Body SAR testing according to the FCC May/June 2006 Guidance for SAR Measurements listed below. Also confirm that the Bluetooth transmitter was transmitting during the body SAR tests.

SAR for head exposure configurations is measured using the 12.2 kbps RMC with TPC bits configured to all "1s". SAR in AMR configurations is not required when the maximum average output of each RF channel for 12.2 kbps AMR is less than ¼ dB higher than that measured in 12.2 kbps RMC. Otherwise, SAR is measured on the maximum output channel in 12.2 AMR with a 3.4 kbps SRB (signaling radio bearer) using the exposure configuration that results in the highest SAR for that RF channel in 12.2 RMC.

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits configured to all "1s". SAR for other spreading codes and multiple DPDCH_n, when supported by the DUT, are not required when the maximum average outputs of each RF channel, for each

spreading code and DPDCH_n configuration, are less than ¼ dB higher than those measured in 12.2 RMC. Otherwise, SAR is measured on the maximum output channel with an applicable RMC configuration for the corresponding spreading code or DPDCH_n using the exposure configuration that results in the highest SAR with 12.2 RMC. When more than 2 DPDCH_n are supported by the DUT, it may be necessary to configure the additional DPDCH_n for the DUT using FTM (Factory Test Mode) with parameters similar to those used in 384 kbps and 768 kbps RMC.

RESPONSE: SAR was tested in 12.2 kbps RMC mode. AMR mode was not SAR tested because the conducted power levels between the two modes were identical. Table 7 and Table 8 in section 6.2 of the original filing SAR test report were done with BT mode off. These tests were performed to determine the configuration (front or back of phone towards the phantom) that resulted in higher measured SAR values. The configuration resulting in the higher SAR value was then tested with BT on, the results are tabulated in table 9.

3. The body SAR test setup photo in exhibit 7A page 5 appears to show a holster but there appears to be no data specified for this configuration. Please clarify.

RESPONSE: Please refer to the supplemental SAR report, submitted October 3, 2006; for the correct body worn photo (without a holster).

4. Exhibit 3 information regarding sample label location appears to need revision. Please address.

RESPONSE: Please refer to the revised exhibit 1, submitted October 3, 2006.

5. Please confirm that a statement regarding FCC Part 15.19 will be included in the production version of the users' manual.

RESPONSE: Confirmed, the final version of the manual will include the FCC part 15.19 statement.

Prepared by:

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