



MOTOROLA

Date: October 12, 2006

Subject: Request for additional information regarding FCC ID: IHDT56GS1

Reference:

Correspondence Reference Number: IHD0551
Confirmation Number: 1609080550/0552
Date of Original Email: October 6, 2006

Prepared by:

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

Questions and responses follow:

1. Exhibit 1 regarding the FCC label appears to need revision.

Response: Please refer to exhibit 1 submitted 10/12/2006.

2. Confirm that the AMPS transmitter complies with EIA/TIA 553A.

Response: Please refer to exhibit 2A submitted 10/12/2006.

3. Please submit actual test setup photos for the FCC Part 22/24, Part 15B and 15C testing. These photos may be held short term confidential.

Response: Please refer to exhibit 7A submitted 10/12/2006.

4. Confirm that a statement according to FCC Part 15.105 (b) will be included in the production version of the user's manual.

Response: Confirmed; the statement required by FCC Part 15.105 (b) will be included in the final user's manual.

5. Please confirm the service option used for head and body SAR.

Response: SO55 used for head, SO32 used during body worn.

HAC

6. Please provide details for the validation to justify use of 30 KHz VBW for the PMF determination in the RF emission test report.

Response: The power measurements were compared and verified using a spectrum analyzer (VBW = 30 Hz) and an average power meter.

7. Please address per telecom with Mr. Perrine and PCTEST on 5 October to include description of the phones capabilities and modes of operation. Modes that support at ear voice use should be further investigated as part of subset testing justification for HAC. Please provide additional related information to support SAR testing in accordance with FCC policy.

Response: The “Preliminary Guidance for Reviewing Applications for Certifications of 3G Devices” released on May 9, 2006 refers to the 3GPP2 C.5.011 / TIA -98-E for further guidance. We don't have any other document for guidance on which modes to consider.

Per steps 3 & 4 of section 4.4.5.2 of 3GPP2 C.5.011 / TIA, the conducted power measurements for RC1 and RC3 CDMA modes are considered in S055 service option. In addition, we have received several requests from previous FCC submissions to measure in S02 service option.

The conducted power measurements show that the portable cellular phone FCC ID IHDT56GS1 has the same output conducted power across both RC1 and RC1 radio configurations and S055 and S02 service options.

Conducted Output Power (dBm):

	Channel	RC1		RC3	
		SO2	SO55	SO2	SO55
800CDMA	1013	25.13	25.10	25.02	25.07
	384	25.13	25.20	25.11	25.14
	777	25.00	24.98	24.94	24.93
1900CDMA	25	24.82	24.89	24.90	24.92
	600	24.85	24.94	25.00	25.04
	1175	24.90	24.94	24.91	24.95

The T-coil signal is very strong for portable cellular phone FCC ID IHDT56GS1. The SNR data has over 20 dB margin from T4 limit.

Note:

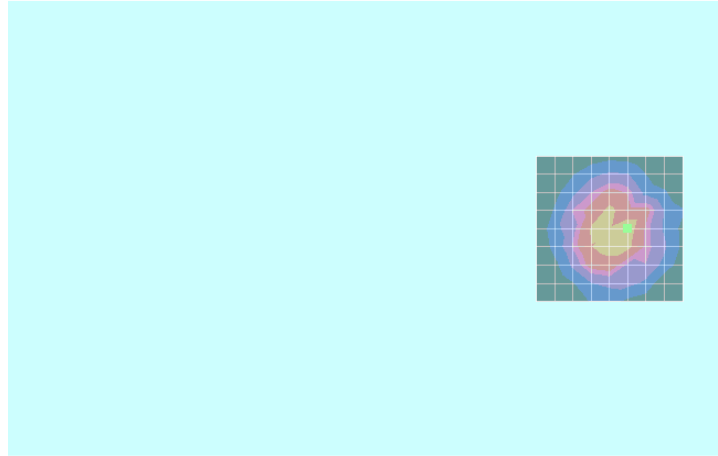
There is a very large number of CDMA modes that the cellular phone operates within. The number of available modes on a live network is less, but is selected by the operators. Motorola believes that this is an industry wide issue and we are pursuing the resolution of this issue on the industry level.

8. On T-coil contour plots please show the device reference point.

RESPONSE:

The T-coil location is the earpiece speaker area. So the device reference point is the earpiece speaker. ABM1 plots for Z-axial, X-radial, and Y- radial are shown below. As expected, the Z-axial signal is centered on the earpiece speaker while X and Y radials signals are to the sides.

Z-axial signal scan. The green point is for the device reference.



X-radial signal scan. The green point is for the device reference.



Y-radial signal scan. The green point is for the device reference.

