MOTOROLA

Date: February 23, 2006

Subject: Request for information regarding FCC ID: IHDT56DB1 (Cellular/PCS GSM Transceiver Module)

Reference:

Correspondence Reference Number:	26077
731 Confirmation Number:	TC224641
Date of Original Email:	01/30/2006

Prepared by:
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TCB to respond:

1) Concerning reply to corresp. 24086 #1, filing continues to list the
following output powers in mW:
            pt22                  pt24
EMC       629.5                 807
grant      631                   809
MPE        198                   198
Please revise filing to harmonize where appropriate, or explain why if
exhibits do not support consistent power across filing.
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Response: The 198 mW value is incorrect. It is based on a 1/8 duty cycle, but there is an error in the power level. The correct MPE power levels are:
- 850 MHz band (Part T22) 0.079 mW
- 1900 MHz band (Part 24) 0.101 mW

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2) Concerning reply to corresp. 24086 #3, please revise MPE exhibit, grant
note, user manual, etc. for correct antenna gain.
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Response: Please refer to the revised exhibit 11 and updated information for the user manuals.

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3) Tune-up Info exhibit states:
"There are no user accessible adjustments or tuning in this portable cellular
transceiver. All necessary adjustments and tuning are performed during
manufacture of the product."
Other corresp. under this and related FCC ID AZ489FT7010 indicate at least
20%-above-nominal tuning capability.
Note that 2.1033(c)(9) is not specific to user adjustments - please submit
factory/production tune-up info, including amended confidentiality-request
cover-letter if desired.
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Response:
Automation in the factory, routes assembled PCB's to an equipment fixture which includes calibrated test equipment, power output probing, and communications to the module. A Motorola proprietary algorithm writes values into the module's non-volatile memory based on the measured power level. The power is re-checked to ensure the target level range is met, and the maximum level is never exceeded.

In the special case of testing for FCC certification, an extra manual step is performed to re-write the module's memory and set the power to the higher maximum level. The higher maximum level is allowed only for FCC certification test units. Factory product is always adjusted to the lower target power level range.

4) It is noted that grant certificate for 11/30/2005 Class II permissive change filing submitted as cover-letter exhibit here is not relevant for this filing.