



MOTOROLA

Date: June 12, 2007

Subject: Request for additional information regarding FCC ID: IHDT56HU1

Reference:

Correspondence Reference Number: IHD7414
Confirmation Number: 705140414-16
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Prepared by:

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Questions and responses follow:

1. The Operational Description lists Class 12 EDGE, however, p.3/42 of the SAR report indicates a 1:8 duty cycle for EDGE, and p.12/42 lists EDGE Class 10. Is Class 12 EDGE implemented in the EUT? If so, EDGE body SAR must be recalculated with the appropriate duty cycle. Please address.

Response: Yes, Class 12 is implemented, but as described in Section 6.2 (near bottom of page 9) of SAR report, the peak power is reduced by 4 dB in Class 12 mode, while Class 10 reflects 3 dB higher average power. The result is 1 dB loss in average power from Class 10 to Class 12. Thus, Class 10 provides worst case results for Class 12.

2. Please submit an Operational Description for the Bluetooth transmitter. That which is included in the Operational Description document only describes the BT module's interaction with the phone.

Response: The transmitter is contained in a single chip solution, which integrates the Bluetooth baseband, RF transceiver, ARM7 TDMI, memory (ROM and RAM), and power management on one chip using 90nm process manufacturing and Digital RF Processor technology. The integrated radio can be enabled to operate with 2G, 2.5G and 3G mobile phones. A shared antenna with mobile WLAN chipsets is used to allow collaborative coexistence mechanism between WLAN and *Bluetooth* networks. *Bluetooth* Specification v2.0 adaptive frequency hopping (AFH) and extended Synchronous Connection Oriented (eSCO) is used to deliver a high-quality *Bluetooth* voice and enhanced data throughput.

3. The first internal photo (p.1/6) with the shields removed is of poor quality. Please resubmit a clearer photo.

Response: Please refer to revised exhibit 9 attached: "HU-EX09 Revised.pdf"