



MOTOROLA

Date: .September 10, 2004

Subject: Request for additional information regarding FCC ID: IHDT6EK1 (Portable PCS GSM transceiver with embedded Bluetooth)

Reference:

Application Received:	08/12/2004
Correspondence Reference Number:	240909A.IHD
Confirmation Number:	TC4282 & TC4283
Date of Original Email:	09/09/2004

Prepared by:

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Questions and responses follow:

Bluetooth Application:

1. Please provide tabulated radiated emission data for emissions in the restricted band at 2483.5 - 2500 MHz (the spurious conducted emission plots show relatively strong spurs in this band).

Response:

Please refer to the revised Bluetooth test report submitted on 9-10-04.

2. Please submit a technical description for the Bluetooth transmitter.

Response: Bluetooth implementation is accomplished with the Broadcom Blutionium BCM2035 IC. This device is a standalone baseband processor with an integrated 2.4 GHz transceiver. It is completely compliant with the Bluetooth 1.1 specification and Part 15.247. The rx has the ability to hop in sync with the tx, and the rx BW is approximately equal to the tx BW. Frequency hopping is pseudorandom and average channel usage is equal. All part 15.247 requirements are met when the device is presented with a continuous data stream.

3. The User's Manual must contain the statements from Sections 15.19(a)(3) and 15.21. Please confirm that they will be included in the manual prior to marketing.

Response: Yes, confirmed. The process is in place to specifically ensure statements for Sections 15.19(a)(3) and 15.21 are included in the final User's documentation.

PCS GSM application:

4. Please verify that the following are typos: page 7 of the SAR report- the measured left touch SAR value should be 0.231 (not 0.213) and the measured right touch SAR value should be 0.316 (not 0.314).

Response: Please refer to the supplemental SAR report submitted on 9-10-04.