



Date: February 8, 2008

Subject: Request for additional information regarding FCC ID: IHDT56JA1

Reference:

Correspondence Reference Number:	IHD71062
Confirmation Number:	712241062-63
Date of Original Email:	January 24, 2008

Prepared by:

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Questions and responses follow:

1. Please submit an Operational Description for the BT transmitter.

Response: The transmitter is contained in a single chip Bluetooth compliant solution developed by Texas Instruments. The integrated radio transceiver operates in the 2.4 GHz band. Fractional-N frequency PLL generation technology is used to synthesize transmit and receive LO frequencies. The digital baseband inputs are applied to a proprietary modulator, driving a dual mixing scheme, which is applied to a programmable power amplifier circuit.

2. Because the output power level of the BT transmitter is below the TCB Exclusion List Low Threshold, SAR measurements on the BT Transmitter alone are not required. However, SAR testing of the Part 22/24 portion of the EUT, including the worst-case configuration tests with the BT enabled, is required. It does not appear that this was done. If it was, please confirm, and submit that SAR data. If not, please perform these tests and submit that SAR data.

Response: For the additional data, please refer to the revised SAR test report.

3. Bluetooth output power should be measured using a RBW greater than the 20 dBc BW of the emission. It is not clear if that is the case here- a RBW = 1 MHz was used to measure output power, however, while the 1Mbps emission 20 dBc BW is less than 1 MHz, the EDR emission 20 dBc BW is greater than 1 MHz. The report does

not state which mode was measured for output power. Please clarify, and submit new data, if warranted.

Response: The Bluetooth output power was measured in the non-EDR mode.

4. The maximum head and body SAR levels listed in the user's manual are reversed. Please correct, and resubmit the manual.

Response: Please refer to the revised user's manual exhibit.

5. FYI: the block diagram is required to show all clock/oscillator values. In the future, please be sure that it does so.

Response: To be implemented in future applications.

6. Please update Page 8 Exhibit 6B-1 with the updated procedure that incorporates method shown in test photographs.

Response: Please refer to the revised HAC test report, for updated test method language.

7. Please address effect of updated procedure on the uncertainty budget on Page 20, Exhibit 6B-1.

Response: The updated procedure does not affect the uncertainty budget.