

## FCC Class II Permissive Change Application



July 20, 2012

Authorization & Evaluation Division  
Federal Communications Commission Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

**Subject: Application for Certification of transmitter with FCC ID: IHDT56NA1, PCS Handsets, with Wi-Fi and Bluetooth.**

Gentlemen;

Motorola Mobility, Inc.; 8000 W. Sunrise Blvd.; Plantation, FL 33322 herein submits its application for certification of the multi-mode handset with FCC ID: **IHDT56NA1**.

**Description of Transceiver:**

The primary transceiver in this composite device operates in the WCDMA1700/1900 MHz bands and GSM850/1900 MHz bands as a portable transceiver and employs HSPA/EDGE/GPRS data transmission capabilities. This device also contains functions, and operates within frequency bands, that are not authorized within the United States or its territories.

This radio product is also equipped with a Wi-Fi (802.11b/g/n) transceiver. The Wi-Fi Band of operation is 2.412 - 2.462 GHz, with channels up to 17 MHz in bandwidth for 802.11g operation. The Wi-Fi device complies 15.247 (c), 15.205, 15.209 (b).

This radio product is equipped with a Bluetooth (BT) transceiver. BT supports both voice and data for short range wireless communications. The Bluetooth Band of Operation is 2.4 - 2.4835 GHz (1 MHz channel bandwidth). The BT device also complies with the requirements of FCC Rule Parts 15.247 (c), 15.205 and 15.209 (b).

All transmitters contained in this radio product have been subjected to routine environmental evaluation (as applicable) according to 47 CFR Part 2.1093 (c) for RF exposure and found to be compliant with the limits specified in 47 CFR 2.1093(d)(2).

This radio product features an integrated GPS receiver, and is designed to function as a computer peripheral device when functioning as an RF modem, while connected to a computer via a data cable, as described in 47 CFR Part 15.3(r). A Part 15B test report is included for certification.

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**Description of Changes:**

Degradation in the Conducted Spurious Emissions is identified for this transceiver. This is due to some passive component changes in the RF paths, and along with measurement uncertainties. A PCE EMC test report to state the increase in conducted spurious emissions in the GSM bands is submitted here for review.

**Impact of Change:**

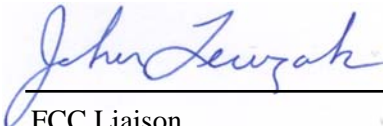
The detected GSM1900 harmonics increased by 4-9 dB, and the 3rd and 5th harmonics of GSM850 increased by 3-5dB. The performance of all other applicable and reportable operating parameters under FCC Rule Part 22, Subpart H, Part 24, Subpart E, and Part 15, Subparts B and C were not impacted and stay with the values originally filed. The SAR measurements were evaluated and found no significant change from the original submission. The levels remain compliant with FCC limits. All other aspects of the transmitter's performance remain unchanged, within measurement uncertainty, from that originally filed with the FCC for this ID.

**Conclusion:**

This transceiver continues to meet all FCC requirements for which the original authorization was granted. The changes described, therefore, meet the requirements for a Class 2 Permissive Change, in accordance with 47 CFR 2.1043.

Enclosed is a complete Certification Application. Contact me at (954) 723-6272 if you require any additional information.

Regards,



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