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5 November 2013

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

Subject: Application for Class II Permissive Change to Certified transmitter with FCC ID: IHDT56PF3, CDMA Handset with Bluetooth and WLAN.

Gentlemen;

Motorola Mobility LLC; 8000 W. Sunrise Blvd.; Plantation, FL 33322 herein submits its application for a Class II Permissive Change to the certified multi-mode handset with FCC ID: **IHDT56PF3**.

Description of Transceiver:

The primary transceiver in this composite device operates in the 800 MHz Land Mobile Service, 850 MHz Public Mobile Service (PMS), and the 1900 MHz Personal Communications Service (PCS). It supports CDMA signaling, and employs CDMA 1X and EV-DO operating capabilities.

This radio product is also equipped with a Wi-Fi (802.11b/g/n) transceiver. Wi-Fi supports both voice and data for short range wireless communications. The Wi-Fi Band of Operation is 2.412 - 2.462 GHz for IEEE 802.11ab/g/n operation. The Wi-Fi device complies 15.247 (c), 15.205 and 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 2.402 - 2.480 GHz. The BT device 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).

Description of Changes:

Several design enhancements were implemented for this device to improve manufacturability, and device reliability, since the version evaluated in the Original Equipment filing. Most significant of these included a change to a PC Board spacer, and the addition of a Kapton tape insulator. The design as implemented remains “electrically identical” to that documented in the original filing, per the criteria defined in FCC rules, and the guidance of KDB Publication KDB 178919 D01.

Impact of Change:

The performance of all applicable and reportable operating parameters under FCC Rule Part 15, Part 22, and in particular Part 24 was evaluated and compared with the data originally filed. In particular, the RF Exposure performance (per 47 CFR 2.1093), Radiated Emissions, and other characteristics (per 47 CFR 2.1046 – 2.1055, as required) were evaluated. This evaluation resulted in some degradation of RF Exposure levels, though the levels remain compliant with FCC limits. All other aspects of the transmitter’s performance (including HAC performance) remain unchanged, within measurement uncertainty, from that originally filed with the FCC for this device.

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 are an amended test report, and Statements of Certification. Contact me at (954) 590-0254 if you require any additional information.

Attachments:

1. Exhibit 2 (Statements of Certification).
2. Exhibit 8 (Updated User Guide).
3. Exhibit 11 (New RF Exposure Report).