



16 May 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: IHDT56NJ1, XT621-Series Handsets with Wi-Fi and Bluetooth.

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: **IHDT56NJ1**.

Description of Transceiver:

The primary transceiver in this composite device operates in the 850 MHz Public Mobile Service (PMS) and the 1900 MHz Personal Communications Service (PCS). It supports GSM signaling. This transceiver also operates in the WCDMA mode in the 1700 MHz Advanced Wireless Service (AWS) band, and in the 1900 MHz PCS band. The device supports HSPA, EDGE, and GPRS signaling capabilities.

Note:

This device also contains functions, and operates within frequency bands, that are not authorized within the United States or its territories. This filing is only applicable to supported US operations.

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. The Wi-Fi device complies 15.247 (c), 15.407, 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).

This radio product features integrated GPS and FM broadcast receivers, 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).

Description of Changes:

Motorola is introducing a variant of this certified transmitter, featuring the following changes:

1. Changes to Housing color and labeling.
2. Change of the Battery Door material from Plastic to Kevlar.

Impact of Change:

The performance of all applicable and reportable operating parameters under FCC Rule Parts 22H, 24E, 27C, and Part 15 were evaluated and compared with the values 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 revealed a slight degradation of Wi-Fi mode that, while well below the compliance limit, is greater than can be accounted for by system measurement uncertainties. Therefore, an amended SAR report for is supplied with this application.

All other aspects of the transmitter's Part 90, Part 24D, and Part 15 ISM band 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 are an amended test report, and Statements of Certification. Contact me at (847) 523-6167 if you require any additional information.

Attachments:

1. Exhibit 2 (Statements of Certification).
2. Exhibit 3 (External Photographs).
3. Exhibit 8 (User Guide).
4. Exhibit 11 (Supplemental/Updated SAR Report).