



motorola

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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: IHDT56PF1; XT1032, XT1033, and XT1035 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: **IHDT56PF1**.

**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, and employs GPRS Class 12 and EDGE Class 12 capabilities. This transceiver also operates in the WCDMA mode in these bands.

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 802.11b/g/n operation. The Wi-Fi device complies 15.247 (c) 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 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).

**Description of Changes:**

The equipment was originally authorized without a HAC rating. This application intends to add HAC ratings to the PCE grant. This change is accomplished entirely by modification to the device's software. No hardware changes of any kind are implemented.

**Impact of Change:**

The change adds capability to warrant a HAC rating for the PCE grant, against the C63.19-2011 standard. There is no additional impact to any parameters already on file with the FCC for this device.

Note that FCC guidance concerning HAC Permissive Changes that calls for assigning a unique model number to the changed device (KDB 285076 D01 (*HAC Guidance*), paragraph 25) does not apply in this case. This is because there have been none of the original (non-HAC) devices put onto the market anywhere in the world, and as such there is no need for differentiation.

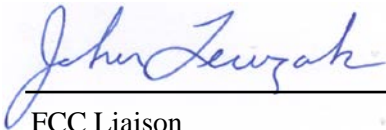
Note also that the required User Manual notifications (per 47 CFR 20.19) are present in the User Guide originally filed for this device, so no updated exhibit is necessary.

**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 the HAC test reports and amended Statements of Certification. Contact me at (954) 723-6272 if you require any additional information.

Regards,



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**Attachments:**

1. Exhibit 2 (Statements of Certification).
2. Exhibits 6E (HAC Test Reports).
3. HAC Test Set-up Photographs.