



11 April 2012

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

**Subject: Application for Certification of transmitter with FCC ID: IHDT56NQ2, XT626-Series 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: **IHDT56NQ2**.

The primary transceiver in this composite device operates in the 1700 MHz Advanced Wireless Service, 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.

**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 device also incorporates iDEN signaling capabilities, featuring a variable output power (0.22 to 640 milliwatts) transmitter that is part of a handheld transceiver used in SMR and EA SMR trunking systems operating within the United States 806-821/851-866 MHz frequency band.

To facilitate global roaming it is kindly requested that the grant for Part 90 800 MHz SMR operation reflects an extended frequency range (806 – 825 MHz) beyond that permitted under that part. Pursuant the guidance provide in KDB 634817 D01 (*Freq Range Listing for Grants, v02r01*), this application qualifies under the requirements of paragraph (d)(iii): use in other countries. This product will be distributed to operators in ITU Region 1 (Middle East), Region 2 (South America), and Region 3 (Asia) in countries that accept a United States FCC Grant for Equipment Authorization. This product is of the ‘receive first’ type of equipment, which can only transmit on frequencies assigned to it by a compatible Authorized Base Station. Therefore, no unauthorized transmission can occur within the United States or its territories, thus the product will not jeopardize United States public safety or other services licensed to operate in the 821-825 MHz frequency band, as no compatible base station may be authorized for those frequencies in the United States.

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), 15.205 and 15.209 (b).

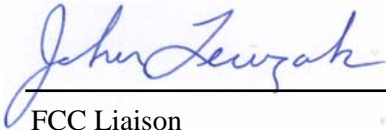
This radio product is equipped with a Bluetooth (BT) transceiver. BT supports both voice and data for short range wireless communications. The Bluetooth Band of Operation is 2.4 - 2.4835 GHz (1 MHz channel bandwidth). The BT device complies with the requirements of FCC Rule Parts 15.247 (c), 15.205 and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

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). A Part 15B test report is included for certification.

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

Regards,



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