



21 February 2011

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

Subject: Application for Certification of transmitter with FCC ID: IHDT56MR1, i412/i420-Series Handsets, with 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: **IHDT56MR1**.

This is 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 and 896-901/935-940 MHz frequency bands. Operation is also extended for use in a Narrowband PCS system operating in the United States in the spectrum between 901-902/940-941 MHz, on channels which the licensee has aggregated together to form twenty-one 25 kHz operating channels.

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.

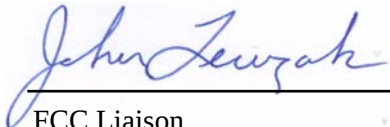
This radio product is equipped with a Bluetooth (BT) transceiver. BT supports both voice and data for short range wireless communications. The Bluetooth Band of Operation is 2.4 - 2.4835 GHz (1 MHz channel bandwidth). It is a Class 1 type device, with power rated +4 to +10 dBm (typically +8 dBm). The physical location of the Bluetooth antenna is shown in Exhibit 7b. 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). For these reasons a Declaration of Conformity has been prepared and provided as part of the User Guide (Exhibit 8), as shown on the exhibit cover page.

Enclosed is a complete Certification Application. Contact me at (847) 523-6167 if you require any additional information.

Regards,



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