



30 September 2014

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

**Subject: Application for Certification of transmitter with FCC ID: IHDT56QD1, PCS Handsets, with LTE, Wi-Fi, Bluetooth, and NFC.**

Gentlemen;

Motorola Mobility LLC; 8000 W. Sunrise Blvd.; Plantation, FL 33322 herein submits its application for certification of the multi-mode handset with FCC ID: **IHDT56QD1**.

The primary transceiver in this composite device operates in the 850 MHz Public Mobile Service (PMS), the 1700 MHz Advanced Wireless Service (AWS), and the 1900 MHz Personal Communications Service (PCS). It supports WCDMA signaling in these bands, and GSM signaling, employs GPRS Class 12 and EDGE Class 12 capabilities, in the PMS and DCS bands.

This device also operates in the 800 MHz Land Mobile Service, the 850 MHz Public Mobile Service (PMS), and the 1900 MHz Personal Communications Service (PCS), supporting CDMA signaling, and employs CDMA 1X and EV-DO operating capabilities.

This mobile device is also equipped with an LTE transceiver. This LTE transceiver supports high-speed wireless data communications within LTE Bands 2, 4, 5, 7, 12, 13, 17, 25, 26, and 29, with channels up to 20 MHz in bandwidth. The LTE device complies with Part 22 (Subpart H), Part 24 (Subpart E), Part 27 (Subpart C), Part 22 (Subpart H), and Part 27 (Subpart C).

**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 (802.11a/b/g/n/ac) transceiver. Wi-Fi supports both voice and data for short range wireless communications. The Wi-Fi Bands of Operation are 2400 – 2483.5 MHz ISM band, 5150 – 5250 MHz U-NII Band 1, and 5725 – 5850 MHz U-NII Band 3 for 802.11a/b/g/n/ac operation. The Wi-Fi device complies 15.247, 15.407, 15.205 and 15.209. Note that all EMC/SAR test reports include results for U-NII Band 2A and 2C, but certification is not being sought for these bands. Operation in these bands is locked out at the time of manufacture, and the end-user cannot activate them via the user interface, or other means.

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 (1 MHz channel bandwidth). The BT device complies with the requirements of FCC Rule Parts 15.247, 15.205 and 15.209.

This product also supports NFC operation as a low-power itinerant transmitter.

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

Enclosed is a complete Certification Application. Contact me at (954) 590-0254 if you require any additional information.

Regards,



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