



29 January 2007

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

**Subject: Application for Certification of dual transmitter with FCC ID: IHDT56GP1.**

Gentlemen;

Motorola Inc., 600 North US Hwy 45, Libertyville, IL herein submits its application for certification of the multi-mode handset with FCC ID: **IHDT56GP1**.

This dual mode radio product is designed to support air interfaces with two independent networks. Calls can only occur on one network at a time, and there are no handoffs possible between the networks.

This radio product is CDMA 2000 EV-DO capable within the PCS band (1850-1910/1930-1990 MHz), and is also capable of iDEN time division multiplexing transmissions in 800 MHz SMR band (806-821/851-866 MHz).

These transceivers are of the receive-first type described in International Telecommunications Union Recommendation ITU-R M.1221 entitled *Technical and Operational Requirements for Cellular Multimode Mobile Radio Stations*. It must first find, acquire and lock onto a control channel from a predefined set of control channel frequencies assigned to a companion Authorized base station (e.g. – FCC ID: ABZ89FC5794). Transmissions are not possible until a lock to the respective base station control channel has been achieved, then transmissions are limited to digitally modulated service request bursts on the reverse control channel. Upon recognition of a proper request, the control channel base station transmitter then assigns the transceiver a traffic channel for transmission of digital voice or data. Attached Exhibit 12 provides additional descriptive details.

This device also possesses a transmitter that operates in the ISM band (902 – 928 MHz). This operational mode is selected via the user menu. While in this mode there is no connectivity to any networks and the transceiver uses only the FHSS protocol, as permitted in the ISM band. Conversations are held via the high-audio speaker or audio accessory: the earpiece is disabled. Certification for this transceiver is also sought and performance data is provided in Exhibit 6c for that purpose.

All transmitters contained in this radio product have been subjected to routine environmental evaluation 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). The EME exposure details, taking into account various network interactions, are described in Exhibits 11 and 12.

This transmitter complies with 47 CFR 90.203 of the rules in that the operator cannot directly program transmit frequencies using only the unit's normally accessible external controls.

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). For these reasons a Declaration of Conformity has been prepared and provided on page 258 of the User Guide in the Exhibit 8.

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

Sincerely,

Andrew J. Bachler  
FCC Liaison  
Motorola Mobile Devices Business  
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