MOTOROLA

3rd March 2009
Authorization & Evaluation Division
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Re: **Application for a Class II Permissive Change request to certificated transmitter with FCC. ID: AZ489FT5856, r765 and r765IS with Model Numbers H06XCN6JS9AN and H05XAN6JS9AN**

Gentlemen:

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its request for a Class II Permissive Change for the above transmitter.

These portables include a variable output power transmitter which is part of an iDEN/NBPCS transceiver used in an SMR and EA SMR trunking system operating in the United States 806-821/851-866 MHz, 896-901/935-940 MHz (Tx/Rx respectively) and also in a Narrowband PCS system operating in the United States 901-902/940-941 MHz frequency band. The portables also incorporate a MOTOtalk transmitter that operates in the ISM band (902–928 MHz). The two transmitters share HW and are configured so that only one transmission mode can be operated at a time.

An ESD (Electro-Static Discharge) protection circuit was implemented on the RF line near the antenna connection port. This protection circuit, which does not exist in the initially certified terminal, consists of: (1) high pass filter which rejects ESD-related low-frequency energy, (2) a transient-suppressing diode which provides a discharge path to ground for the ESD and (3) a notch filter which suppresses unwanted harmonics. The aforementioned diode introduces a certain measure of non-linearity to the transmitter, thus causing degradation of the radiated emission power, relative to the original approved terminal.

The original certification of this terminal was obtained for a pulse-averaged maximum power of 891mW. This permissive change request is to introduce another derivative model with a maximum pulse-averaged power of 691mW in the ISM band transmitter (MOTOtalk).

The product testing was performed by Hermon Laboratories, which is listed by the FCC under Registration Numbers 90623 and 90624.

Radiated Spurious emissions have degraded, but still compliant, after implementing the above changes. All other performance data, including RF Exposure, conforms to FCC limits, thus meeting the requirements for a Class II Permissive Change.

Please contact me at (954) 723-5793 if you require any additional information.

Sincerely,
/s/Mike Ramnath (signed)
Manager, Regulatory Compliance
Email address: Mike.Ramnath@motorola.com