



Date: November 05, 1999.

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

Att: Frank Coperich.

Re: Application for Class II Permissive Change to Transmitter with FCC ID: AZ492FT5775.

Gentlemen:

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

The change consists of extending the frequency range from the currently approved 806-821 MHz to 806-825 MHz. There are no hardware changes -- only programming changes are done to allow operation extension.

This transceiver is 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: ABZ89FC5763 and ABZ89FC5772). Transmission is not possible until lock to a base station control channel has been achieved, then transmission is limited to digitally modulated service request bursts on the reverse control channel. Upon recognition of a proper request, the control channel base station transmitter will then assign the transceiver a traffic channel for transmission of digital voice, circuit-switched data, or packet-switched data from the set of frequencies for which the trunking system is licensed.

It is expected that this mobile time division multiplexed transceiver marketed in the United States will also be used for itinerant operation with companion Authorized base stations by users requesting trunked radio and telephone interconnect service while roaming outside the United States. In some countries the companion base stations are licensed to operate at frequencies in the 821-825/866-870 MHz band in addition to some of those in the 806-821/851-856 MHz band normally used in United States SMR systems. Consequently, this transmitter has been designed to meet FCC requirements for operation in the 806-821 MHz band over the more global band of 806 - 825 MHz when used with a companion Authorized base station. Thus, performance data is provided to substantiate FCC compliant operation with a companion base station over the broader 806 to 825 MHz band expected for global use.

To facilitate global roaming Motorola is requesting that the FCC issue a letter (as was done for FCC ID: AZ489FT5792) confirming that the equipment could be authorized for use of the masks set forth in 90.210(g) and 90.691 over the range 806-825 MHz.

This will aid equipment authorization in foreign countries which accept a United States FCC Grant of Authorization, yet not jeopardize United States public safety or cellular systems licensed to operate in the 821-825 MHz frequency band since no compatible base station may be authorized on those frequencies in the United States.

We are submitting a new Form 731, the appropriate fee for a Class II Permissive Change, and occupied bandwidth plots showing compliance to 90.210 (g) and 90.691.

All other data, including radiated and conducted spurious emissions information currently on file with the Commission, remains applicable.

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

Sincerely,

Mike Ramnath
FCC Liaison
Email: Mike.Ramnath@Motorola.com