



**MOTOROLA**

**FCC ID: ABZ99FT3080**

Date: February 18, 2002

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

Subject: Application for Certification of Transmitter with FCC ID: ABZ99FT3080

Gentlemen:

Motorola Inc., 5201 Tollview Drive, Rolling Meadows, Illinois, herein submits application for Certification of the equipment identified by FCC ID number ABZ99FT3080.

This transmitter is primarily intended for use in a portable radio application with capabilities for conventional and trunked communications with a transmit power of 1 Watt (+30 dBm) or 5.5 Watts (+37.4 dBm).

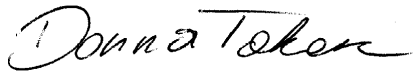
The subject transmitter complies with CFR Title 47, Section 90.203, in that the operator cannot directly program the transmit frequencies using only the normally accessible external controls of the unit.

On December 6, 2001, representatives from Motorola Inc. and one of our customers met with the Commercial Wireless Division to discuss our intention for the use of this equipment, utilizing 12.5 kHz channel spacing with  $\pm 2.5$  ppm frequency stability, in the 220-222 MHz band. In attendance were representatives from the FCC's Equipment Authorization Branch and from the Wireless Telecommunications Bureau. At that time we presented an analysis to demonstrate that our intended operation of this equipment would not impact existing 5 kHz users in this band, in that the undesired emissions from our equipment, operating under the frequency assignment guidelines we propose, would not exceed the undesired emissions level from an adjacent 5 kHz user, even if the effects of  $\pm 2.5$  ppm stability were included. We indicated that the subject transmitter is similar to that previously certified under FCC ID: AZ489FT3794, except having been redesigned for operation in the 217-218, 219-220 and 220-222 MHz bands, and for 12.5 kHz channel spacing only. Because the subject transmitter complies with all applicable rules, and no request for a change of rules was made, it was felt that Certification was achievable.

We are requesting Certification under Part 80 as well as Part 90 of the Commission's Rules to allow operation of this equipment in the 217-218 MHz and 219-220 MHz AMTS bands, per CFR Title 47 Part 80.385. This equipment meets or exceeds the technical requirements of CFR Title 47 Part 80 Subpart E. The equivalence of G3E phase modulation emission is achieved by frequency modulation with pre-emphasis.

Enclosed is a complete Certification Application. Please contact me if you require any additional information.

Sincerely,

A handwritten signature in cursive script that reads "Donna Tokarz".

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