



4th September 2001

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

Subject: APPLICATION FOR TYPE ACCEPTANCE OF TRANSMITTER WITH
FCC ID: AZ492FT4846

Gentlemen:

Motorola Inc. 8000 West Sunrise Boulevard, Fort Lauderdale, Florida, herein submits application for type acceptance of the subject transmitter.

This transmitter is primarily intended for use in a repeater application with capabilities for clear and encrypted communications with a variable transmit power of 5-30 watts.

The subject transmitter is similar to the UHF Range 2 model of the PDR 3500, with FCC identifier AZ492FT4843, which was approved previously.

For the lower half of the band covered by the subject transmitter, the transmitter is equipped with Power Amplifier model number PLE9369B, while the upper half of the band is equipped with Power Amplifier PLE9372B. These two Amplifiers contain the same active components and the same harmonic filter; only passive impedance-matching circuitry differs between the two. Where applicable this submission contains data taken using each Amplifier.

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

Enclosed is a complete Type Acceptance Application. Contact me (954) 723-5793 or Fax me at (954) 723-4794, if you require any additional information.

Sincerely,
/s/Mike Ramnath
FCC Liaison
Email: mike.ramnath@motorola.com