



2nd August 2001

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

Gentlemen;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its application for Certification of the transmitter with FCC ID: AZ489FT4850.

This transceiver operates on both the General Mobile Service (GMRS) and Family Radio Service (FRS) frequencies. The radio will provide 1.0 Watt conducted when transmitting on GMRS frequencies (462.5500-462.7250 MHz) and no more than 0.5 Watt ERP on FRS specific frequencies (467.5625-467.7125 MHz). See the Frequency Table below for this Radio.

Channel 1: 462.5625 MHz (GMRS 1W)
Channel 2: 462.5875 MHz (GMRS 1W)
Channel 3: 462.6125 MHz (GMRS 1W)
Channel 4: 462.6375 MHz (GMRS 1W)
Channel 5: 462.6625 MHz (GMRS 1W)
Channel 6: 462.6875 MHz (GMRS 1W)
Channel 7: 462.7125 MHz (GMRS 1W)

***Channel 8: 476.5625 MHz (FRS 0.5W)**
***Channel 9: 467.5875 MHz (FRS 0.5W)**
***Channel 10: 467.6125 MHz (FRS 0.5W)**
***Channel 11: 467.6375 MHz (FRS 0.5W)**
***Channel 12: 467.6625 MHz (FRS 0.5W)**
***Channel 13: 467.6875 MHz (FRS 0.5W)**
***Channel 14: 467.7125 MHz (FRS 0.5W)**

Channel 15: 462.5500 MHz (GMRS 1W)
Channel 16: 462.5750 MHz (GMRS 1W)
Channel 17: 462.6000 MHz (GMRS 1W)
Channel 18: 462.6250 MHz (GMRS 1W)
Channel 19: 462.6500 MHz (GMRS 1W)
Channel 20: 462.6750 MHz (GMRS 1W)
Channel 21: 462.7000 MHz (GMRS 1W)
Channel 22: 462.7250 MHz (GMRS 1W)

*** FRS specific frequencies only.**

The T6400 radio will not be user programmable. The RF power on the T6400 radio will be set from the factory and cannot be adjusted by the user. The radio will be tuned, at the factory, to 0.5 Watt and the associated value stored in the radio codeplug. This value will be the default power setting for the radio and used on the FRS specific frequencies on channels 8 to 14.

For the GMRS frequencies, the power is adjusted to 1.0 Watt by software. Once a GMRS channel is selected, the software sets the power control voltage on the RF PA for maximum power. The RF PA is limited to 1.0 Watt maximum by design. The factory measures the RF power on the GMRS band to assure 1.0 Watt is obtained.

It is required that the user obtains a FCC license to operate on the GMRS frequencies. This is specified in the users manual along with information on where to obtain the necessary application forms.

Enclosed is a complete Certification Application comprised of 12 Exhibits. Contact me at (954) 723-5793 if you require any additional information.

Regards,
/s/ Mike Ramnath
FCC Liaison
Email: emr003@email.mot.com