MOTOROLA INC FCC ID: AZ489FT4838

## **OPERATIONAL DESCRIPTION**

## A. Transmitter Technical Characteristics -- Pursuant 2.983 (d)

a. RF Power Out: 1W to 4W (Variable Power)

b. Transmit Frequency Range: 450 – 512 MHz c. Receive Frequency Range: 450 – 512 MHz

d. Frequency Stability: 2.5 PPM

e. Emissions 16K0F3E & 11K0F3E (See Exhibit 8-5)

f. Spurious Emissions 25uW
g. DC Voltage and Current into 7.5 VDC
the final RF amplifier stage/stages 1.5 A

## B. Transmitter Application

This transmitter is primarily intended for use in a portable environment. It is characterized by the following features, options, and accessories.

- a. Power Supply Available:
  - i. NiCd AFAT Battery
  - ii. NiCd Battery
  - iii. NiMH AA Battery
  - iv. NiMH AA FM Battery
- b. Antenna Available:
  - i. Helical Antenna
  - ii. Whip antenna
- c. Squelch Type Available:
  - i. Carrier Squelch
  - ii. Tone "Private Line"
  - iii. Digital "Private Line"
  - iv. DTMF
  - v. Quick Call II
- d. Microphone Control:
  - i. Handset/Palm Microphone
- e. Maximum Transmit Channel Capability:
  - i. 16 Channel
- f. Housing:
  - i. The transmitter will be housed in the housing shown in the accompanying photographs
- g. Other Options:
  - i. Time out Timer
- h. The minimum voltage for the micro-P to operate is 3.3V.