

## OPERATIONAL DESCRIPTION

### 1. **Transmitter Technical Characteristics -- Pursuant 2.983 (d)**

- a. RF Power Out: 1W to 4.0 Watt Variable Power
- b. Transmit Frequency Range: 403-470 MHz
- c. Receive Frequency Range: 403-470 MHz
- d. Frequency Stability: 2.5 PPM
- e. Emissions 11K0F3E, 16K0F3E
- f. DC Voltage and Current into the final RF amplifier stage/stages 7.5 VDC  
1.18 Amps

### 2. **Transmitter Application**

This transmitter is primarily intended for use in a portable environment. The following features, options, and accessories characterize the Transmitter:

- a. Power Supply Available:
  - i. LiIon Rechargeable Low Capacity Battery
  - ii. LiIon Rechargeable High Capacity Battery
  - iii. NiMH Rechargeable 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. MDC
  - vi. 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