

**OPERATIONAL DESCRIPTION**

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

- a. RF Power Out: 1W to 2.5 Watt (Variable Power)
- b. Transmit Frequency Range: 806--866 MHz
- c. Receive Frequency Range: 851-866 MHz
- d. Frequency Stability: 2.5 PPM
- e. Emissions 16K0F3E
- f. Spurious Emissions 0.31uW
- g. DC Voltage and Current into the final RF amplifier stage/stages 7.5 VDC, 1.07 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. NiCd Rechargeable Low Capacity Battery
  - ii. NiCd Rechargeable High Capacity Battery
  - iii. Alkaline Battery
  - iv. NiMH Rechargeable Ultra High Battery
  - v. Lithium Ion 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