

## TRANSMITTER DESCRIPTION

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

- |                                |                            |
|--------------------------------|----------------------------|
| a. RF Power Out:               | 1W to 2.85W Variable Power |
| b. Transmit Frequency Range:   | 896-902 MHz, 935-941 MHz   |
| c. Receive Frequency Range:    | 935-941 MHz                |
| d. Frequency Stability:        | 1.5 PPM                    |
| e. Emissions                   | 11K0F3E                    |
| f. DC Voltage and Current into | 7.5 VDC, 1.15 Amps         |
- The final RF amplifier stage/stages

### 12.2. 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