

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

- a. RF Power Out : 1W to 4W
- 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 9N)
- f. Spurious Emissions 25uW
- g. DC Voltage and Current into the final RF amplifier stage/stages 7.5 VDC
1.6 A

2. 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 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 (GP328 model)
 - ii. 128 Channel (GP338 model)
- 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.