

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

a. RF Power Output:	1W to 4.5 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	16K0F3E & 11K0F3E (See Exhibit 8-5)
f. Spurious Emissions	25uW
g. DC Voltage and Current into the final RF amplifier stage/stages	7.5 VDC 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-Processor to operate is 3.3V.