

OPERATIONAL DESCRIPTION

I. Transmitter Technical Characteristics -- Pursuant 2.1033(c)

A. RF Power Output	275 mWatt to 4 Watts (Variable Power)
B. Frequency Range	403 - 470 MHz
C. Frequency Stability	2.5ppm
D. Emissions	16K0F3E, 11K0F3E
E. Spurious Emissions	25uW
F. DC Voltage and Current into the final RF amplifier stage/stages	7.5 VDC 1.6 A

II. Transmitter Application

This transmitter is primarily intended for use as a vehicular repeater system. The system is characterized by the following features, options, and accessories.

A. Power Supply Available

1. NiCad Battery_____, DC X_____, Alkaline Battery_____,
AC_____, Lead Acid Battery _____.

B. Antenna Available

1. Helical_____, Telescopic_____, Whip_____, Dipole_____,
Dribble External_____, External X_____.

C. Squelch Types Available

1. Carrier Squelch X_____.
2. Tone "Private Line" X_____.
3. Digital "Private Line"_____.

D. Microphone - Control

1. Handset/Palm Microphone _____.
2. 600 Ohm wireline control _____.

E. Maximum Transmit Channel Capability 1.

F. Housing

The transmitter will be housed as shown in the accompanying photographs.

G. Other Options

- | | |
|---------------------------------|----------|
| 1. Single Tone Encoder | X |
| 2. Multiple Single Tone Encoder | |
| 3. Touch Code Encoder | |
| 4. Unit ID Encoder | |
| 5. EMS Telemetry Encoder | |
| 6. Time out Timer | <u>X</u> |
| 7. Voice Encryption | |
| 8. Digital Signaling | |
| 9. Sel-Call Decode | |
| 10. Trunking | |