

OPERATIONAL DESCRIPTION

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

A. RF Power Output	5 - 25 Watts Variable Power
B. Frequency Range	494-512 MHz
C. Frequency Stability	0.00010%
D. Emissions	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 20K0F1E
E. Spurious Emissions	-79.4 dBc
F. DC Voltage and Current into the final RF amplifier stage/stages	13.8 Volts 10 A max

## II. Transmitter Application

This transmitter is primarily intended for use as a portable suitcase Repeater (Fixed) station. The station is characterized by the following features, options, and accessories.

## A. Power Supply Available

1. NiCad Battery \_\_\_\_\_, DC X \_\_\_\_\_, Alkaline Battery \_\_\_\_\_,  
AC X \_\_\_\_\_, 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" X \_\_\_\_\_.

## D. Microphone - Control

1. Handset/Palm Microphone X \_\_\_\_\_.  
2. 600 Ohm wireline control X \_\_\_\_\_.

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