

OPERATIONAL DESCRIPTION

- I. Transmitter Technical Characteristics -- Pursuant 2.1033(c)
  - A. RF Power Output 5 - 30 Watts Variable Power
  - B. Frequency Range 403-433 MHz
  - C. Frequency Stability 0.00015%
  - D. Emissions 16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 20K0F1E
  - E. Spurious Emissions -28.99 dBm
  - 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 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