

DESCRIPTION

I. Transmitter Technical Characteristics -- Pursuant 2.983 (d)

- A. RF Power Output 1 - 5 Watt (Variable)
 B. Frequency Range 450-520 MHz
 C. Frequency Stability 0.00020 %
 D. Emissions 16K0F3E,11K0F3E,8K10F1E,8K10F1D,
20K0F1E
 E. Spurious Emissions - 75 dBc
 F. DC Voltage and Current into 7.5 Volts
the final RF amplifier stage/stages 2.0 Amps

II. Transmitter Application :

This transmitter is primarily intended for use as a hand-held portable radio. The transmitter is characterized by the following features, options and accessories.

- A. Power Supply Available
 Ni-Cad Battery x , Mercury Battery ,
 Alkaline Battery , AC ,
 Lead Acid Battery , Ni-MH Battery x , Li-Ion x
- B. Antenna Available
 1. Helical x , Telescopic , Whip x , Dipole
 Dribble External , External .
- 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..Wireline control x
- E. Maximum Transmit Channel Capability 250 .
- F. Housing
 The transmitter will be housed in the housing shown in the accompanying photographs.

G. Other Options

- | | |
|---------------------------------|-----------------------------------|
| 1. Single Tone Encoder | <u> x </u> |
| 2. Multiple Single Tone Encoder | <u> </u> |
| 3. Touch Code Encoder | <u> </u> |
| 4. Unit ID Encoder | <u> x </u> |
| 5. EMS Telemetry Encoder | <u> </u> |
| 6. Time out Timer | <u> x </u> |
| 7. Voice Encryption | <u> x </u> |
| 8. Digital Signaling | <u> x </u> |
| 9. Sel-Call Decode | <u> x </u> |
| 10. Trunking | <u> x </u> |
| 11. Conventional | <u> x </u> |
| 12. Digital Voice | <u> x </u> |

EXHIBIT 12