## 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 the final RF amplifier stage/stages | | 7.5 | Volts |
| | | 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 | _____x_____ |
| 2. Multiple Single Tone Encoder | _____ |
| 3. Touch Code Encoder | _____ |
| 4. Unit ID Encoder | _____x_____ |
| 5. EMS Telemetry Encoder | _____ |
| 6. Time out Timer | _____x_____ |
| 7. Voice Encryption | _____x_____ |
| 8. Digital Signaling | _____x_____ |
| 9. Sel-Call Decode | _____x_____ |
| 10. Trunking | _____x_____ |
| 11. Conventional | _____x_____ |
| 12. Digital Voice | _____x_____ **EXHIBIT 12** |