

**CONFIDENTIALITY REQUESTED**

**DESCRIPTION FOR UHF RANGE 2**

Transmitter Technical Characteristics -- Pursuant 2.1033 (c)

- A. RF Power Output: 450 – 485 MHz: Variable (4-45 Watts Nominal or Rated)  
Max: 54 Watts  
485 – 520 MHz: Variable (4-40 Watts Nominal)  
Max: 48 Watts
- B. Frequency Range: 450 - 520 MHz
- C. Frequency Stability: 0.0002 %
- D. Emissions: 8K10F1D, 8K10F1E, 8K10F1W, 11K0F3E
- E. Spurious Emissions: - 85 dBc
- F. DC Voltage and Current into the RF power amplifier: 13.4 Volts  
7.87 Amps

**DESCRIPTION FOR 7/800**

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

- A. RF Power Output: 700 MHz: Variable (3.5-30 Watts Nominal or Rated)  
Max: 36 Watts  
800 MHz: Variable (3.5-35 Watts Nominal)  
Max: 42 Watts  
2-3 Watts (700 MHz Itinerant)
- B. Frequency Range: 764–775, 793-805, 806-824, 851-869 MHz
- C. Frequency Stability: 0.00015 %
- D. Emissions: 8K10F1D, 8K10F1E, 8K10F1W, 11K0F3E, 16K0F3E,  
20K0F1E
- E. Spurious Emissions: - 70 dBc
- F. DC Voltage and Current into the RF power amplifier: 13.6 Volts  
7.95 Amps (700 MHz)  
8.95 Amps (800 MHz)

II. Transmitter Application:

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

- A. Power Supply Available  
Ni-Cad Battery \_\_\_\_\_, Mercury Battery \_\_\_\_\_, Alkaline Battery \_\_\_\_\_,  
AC \_\_\_\_\_, Lead Acid Battery  X , Ni-MH Battery \_\_\_\_\_, Li-Ion \_\_\_\_\_.
- B. Antenna Available (All External)  
Quarter Wave  X , Collinear (3 dB)  X , Low Profile (3 dB)  X ,

Elevated Feed (3dB)  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. Wireline control  X .

E. Maximum Transmit Channel Capability  1250 .

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

MODEL NUMBERS:

M30TSS9PW1AN

DESCRIPTION:

APX 7500/ 1250 Channels  
4-45 Watts (450 – 485 MHz)  
4-40 Watts (485 – 512 MHz)  
4-25 Watts (512 – 520 MHz)  
3.5-36 Watts (764-806 MHz)  
3.5-42 Watts (806-870 MHz)  
2-3 Watts (700 MHz Itinerant)