



MOTOROLA

FCC ID: AZ489FT3797

OPERATIONAL DESCRIPTION

I. Transmitter Technical Characteristics—Pursuant 2.983 (d)

A. RF Power Output	1.0 to 3.0 Watt
B. Frequency Range	150 - 162 MHz
C. Frequency Stability	0.00025 %
D. Emissions	11K0F3E, 16K0F3E (see General Info.)
E. Spurious Emissions	49.02 dBc
F. DC Voltage and Current into the final RF amplifier stage/stages	7.50 Volts 850 mAmps -1104 mAmps

II. Transmitter Application

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

A. Power Supply Available

1. NiCad Battery X , Mercury Battery , Alkaline Battery ,
AC , Lead Acid Battery , Nickel Metal Hydride .

B. Antenna Available

1. Helical X , Telescopic , Whip , Dipole ,
Dribble External , External .

C. Squelch Types Available

1. Carrier Squelch X .
2. Tone "Private Line" X .
3. Digital "Private Line" .

D. Microphone - Control

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

E. **Maximum Transmit Channel Capability** 16 .

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> N/A </u> |
| 3. Touch Code Encoder | <u> N/A </u> |
| 4. Unit ID Encoder | <u> N/A </u> |
| 5. EMS Telemetry Encoder | <u> N/A </u> |
| 6. Time out Timer | <u> X </u> |
| 7. Voice Encryption | <u> N/A </u> |
| 8. Digital Signaling | <u> N/A </u> |
| 9. Sel-Call Decode | <u> N/A </u> |
| 10. Trunking | <u> N/A </u> |

EXHIBIT 12