



MOTOROLA

FCC ID: AZ489FT4853

OPERATIONAL DESCRIPTION

I. Transmitter Technical Characteristics—Pursuant 2.983 (d)

A. RF Power Output Conducted	2.12 Watts GMRS / 0.580 Watts FRS
A1. RF Power ERP	1.55 Watts GMRS / 0.402 Watts FRS
B. Frequency Range	462.5625-467.7250 MHz
C. Frequency Stability	0.00025 %
D. Emissions Designators	11K0F3E, 16K0F3E (see General Info.)
E. Spurious Emissions	76.1dBc
F. DC Voltage and Current into the final RF amplifier stage/stages	4.8 Volts 2 Watt/ 820mAmps & 0.5 Watt /470mAmps

II. Transmitter Application

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

A. Power Supply Available

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

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 30 .

F. Housing

The transmitter will be 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