

MOTOROLA INC.

OPERATIONAL DESCRIPTION

1. **Transmitter Technical Characteristics -- Pursuant 2.983 (d)**

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|---|-------------------------------|
| a. RF Power Out: | 1-- 4.6 Watt (Variable Power) |
| b. Transmit Frequency Range: | 450-520 MHz |
| c. Receive Frequency Range: | 450-520 MHz |
| d. Frequency Stability: | 2.5 PPM |
| e. Emissions | 11K0F3E, 16K0F3E |
| f. DC Voltage and Current into
the final RF amplifier stage/stages | 7.5 VDC
1.46 Amps |

2. **Transmitter Application**

This transmitter is primarily intended for use in a portable environment. The following features, options, and accessories characterize the Transmitter:

- a. Power Supply Available:
 - i. LiIon Rechargeable Low Capacity Battery
 - ii. LiIon Rechargeable High Capacity Battery
 - iii. NiMH Rechargeable Battery

- b. Antenna Available:
 - i. Helic al Antenna
 - ii. Whip antenna

- c. Squelch Type Available:
 - i. Carrier Squelch
 - ii. Tone "Private Line"
 - iii. Digital "Private Line"
 - iv. DTMF
 - v. MDC
 - vi. Quick Call II

- d. Microphone - Control:
 - I. Handset/Palm Microphone

- e. Maximum Transmit Channel Capability:
 - i. 16 Channel

- f. Housing:
 - i. The transmitter will be housed in the housing shown in the accompanying photographs

- g. Other Options:
 - i. Time out Timer