

TRANSMITTER DESCRIPTION

12.1. Transmitter Technical Characteristics -- Pursuant 2.983 (d)

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|---|---------------------------|
| a. RF Power Out: | 1W to 2.5W Variable Power |
| b. Transmit Frequency Range: | 806--869 MHz |
| c. Receive Frequency Range: | 851-869 MHz |
| d. Frequency Stability: | 1.5 PPM |
| e. Emissions | 16K0F3E, 14K0F3E |
| f. Spurious Emissions | 0.31uW |
| g. DC Voltage and Current into
the final RF amplifier stage/stages | 7.5 VDC, 1.07 Amps |

12.2. 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. NiCd Rechargeable Low Capacity Battery
 - ii. NiCd Rechargeable High Capacity Battery
 - iii. Alkaline Battery
 - iv. NiMH Rechargeable Ultra High Battery
 - v. Lithium Ion Battery
- b. Antenna Available:
 - i. Helical 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