Description

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

A. **Type of Emission**: 11KOF3E, 16KOF3E

B. **Frequency Range**: 450 to 474 MHz

C. **Specific Operating Power Levels:**

RATED: 1.0 to 4.4 watts, variable
MEASURED: Refer to Exhibit 9A

Means provided for variation of operating power:

Output power is factory adjusted to two nominal power levels: LOW (1 watt) and HIGH (4.4 watts). The output power for any channel is field-programmable to one of these two available levels.

D. **Maximum Power Rating:** 4.4 watts.

E. **DC operating voltages and currents of the final stage: Refer to Exhibit 9A.**

F. **Spurious Emissions**:

RATED: -49dBc (at 4.4 watts), -43 dBc (at 1 watt)
MEASURED: Refer to Exhibits 9F and 9G.

2. Transmitter Application

The transmitter is characterized by the following features, options, accessories, and installations:

A. **Power Supply:** Removable, rechargeable NiCad battery pack available in a 1200mAh capacity.

Description (continued)

B. **Antenna:** Whip, removable, available in Standard Helical and "Stubby" versions.
Provision is made for connection of an external 50-ohm antenna.

C. **Squelch Type:** Carrier Squelch, Private Line (PL), Digital Private Line(DPL).

D. **Microphone:** Internal

E. **Maximum Transmit Channel Capability:** 2, or 16 channels, depending on model.

F. **Housing Style:** The transmitter is contained in a hand-held plastic housing, the style of which is shown in the accompanying photographs (Exhibit 11).

G. **Available Accessories:** External earpiece (with and without volume control), remote speaker-microphone, external headset with boom microphone, 2 piece surveillance microphone, Ear microphone with VOX, Ear microphone with PTT.

H. **Programmability:** Programming is accomplished by the use of an IBM PC computer or equivalent, Radio Interface Box, and Radio Service Software. Adjustment of the transmitter, including programming of the channel frequencies, output power, frequency adjustment, and deviation adjustment are performed in this manner. **It should be noted that the transmitter is NOT programmable by the operator.**