Tuning Procedures

1. Attach 12.0 Vdc power supply
2. Using a Spectrum analyzer and a short-range pick-up antenna, look for 75MHz signal with sufficient scan width to see 30-150 MHz spurious.
3. Adjust T1, T2, T3, T4, and T5 for maximum output at operating frequency and minimum output at any harmonics.
4. Repeat step 6.
5. Check for minimum emissions from 30 to 760 MHz.

Inspection Specifications

Frequency: FO +1KHz

Modulation: 2.8KHz FM

RF Power: 1 mW

Frame Time: 17~21mS

General Description

The Aggressor is a low power, non-voice, transmitter intended for remote control of ground based models in the 75MHz band. The unit is held with two hands in front of the body.

The equipment employs a vertical polarized antenna, directly mounted on the unit and meets Paragraphs 95.645, 95.647, 95.649, and the technical requirements established in the Report & Order in PR Docket 90-222.

Circuits and Devices to Stabilize Frequency

Transmitter output frequency is determined and stabilized by crystal-controlled oscillator.

Circuits to suppress Spurious Radiation

Final RF amplifier spurious emissions are attenuated by a “PI” matching network consisting of L2, C18, C19, C23, C17, C13, C14, T1, T2, T3, T4 and T5.

Functions of Active Semiconductors

Reference	Type	Function
Q2	C1623	Modulator
Q6	C2223	Driver/ X-Tal Oscillator
Q7	C2223	Driver
Q8	C4910	Final Amplifier
IC1	ST62T30B	Encoder