

Inspection Specifications

Frequency: FO +1KHz

Modulation: 2.8KHz FM

RF Power: 400 +/- 50mW

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