General Description

The Neon is a low power, non-voice, transmitter intended for remote control of model aircraft in the 72MHz 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 L3, L2, C86, C89, C89, C90, C91, C92, C93, T4 and T5.

Functions of Active Semiconductors

Reference	Type	Function
Q4	C1623	Buffer/SW
Q5	C1623	Modulator
Q6	C2223	Driver/ X-Tal Oscillator
Q7	C2223	Driver
Q8	C4910	Final Amplifier
IC1	GMS87C1202	Encoder