

Nova 6 Fm
FCC ID#: QARNova6-72

Operational Description

The Nova 6 FM 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 L4, L5, C49, C48, C50, C52, C53, T4 and T5.

Functions of Active Semiconductors

Reference	Type	Function
Q5	C1623	Buffer/SW
Q6	C1623	Modulator
Q7	C2223	Driver/ X-Tal Oscillator
Q8	C2223	Driver
Q9	C4735	Final amplifier
IC1	GMS87C1202	Encoder