APPLICANT: AUTOSTART
FCC ID: NAHCAM304

Circuit Description

Transmitter Section

The RF oscillator mainly consists of transistor Q1 and SAW resonator Y1. The output of the oscillator is capacitor coupled to a second transistor stage Q2. After Q2 RF is then routed to the single PIN diode D1 RF switch. The antenna a permanently attached dipole is then coupled through L1 and C5 to both the receiver and D1.

Receiver Section

The receiver consists almost exclusively of U1 a superheterodyne receiver integrated circuit. The local oscillator is controlled by crystal Y2 which is 4.91450 MHz. This is multiplied up inside U1 to the final frequency necessary. The data is retrieved at pin 20 of U1 and buffered by intergrated circuit U2a and b.