

Circuit Description

The 27MHz crystal oscillator drives the base of Q2 the high frequency amplifier. The modulated frequency provided by IC1(TL35018). The output of Q1 has the matching network consisting of L1.L2.L3.C1.C2.C3 and L4 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 82.6cm long telescoping chrome over brass tubing. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 12Volt battery.