

1. Circuit Description

Q1 become 49.860MHz crystal oscillator and provide carrier wave for Q2 modulation. Q2 adjust IC output modulated signal to modulation and provide buffer amplifier. The output of Q2 has the matching network consisting of L1, C1, L2 and C2 that limit harmonious content and effect the proper coupling of the antenna to the output stage. Q3 and Q4 control Q1 bring 49.860MHz crystal oscillator.

2. Antenna Ground and Power Source

The antenna consists of a 45 cm 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 9 Volts primary storage cell.