

Applicant: QG33279T49

Circuit Description

Q2 the 49.860 MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. Summed into the same base (Q1) is the modulation provided by IC1. The output of Q1 has the matching network consisting of L1, L2, and C1 that limit the harmonic content and affect the proper coupling of the antenna to the output stage.

Antenna, Ground, and Power Source

The antenna consists of a 45cm long telescoping chrome over brass tubing. There is no external ground connection. The ground is only that of print circuit board. Electric current is supplied by a 9 Volt primary storage cell.