

Circuit Description

Q4 the 49.860MHZ crystal oscillator drives the base of Q5, the Final/buffer amplifier. Summed into the same base(Q5) is the modulation provided by U2. The output of Q5 has the matching network consisting of L3,T1,C11 and C12, 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 65 cm long telescoping chrome over brass tubing. There is no external ground connection. The ground is only that of the printed circuit board. Electronic current is supplied by a 9 Volt primary storage cell.