

Applicant : VectorZone Industrial Company Limited
POC ID : XDC2106-3

Circuit Description

Q1 the 27.095 MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. Summed into the same base (Q2) is the modulation provided by IC1. The output of Q2 has the matching network consisting of T1, C2, L3 and C1 that limit the harmonic content and effect the proper coupling of the antenna to the output stage. Q3 and Q4 control Q1 being 27.095 MHz crystal oscillator.

Antenna, Ground and power Source

The antenna consists of 45cm 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 Volt primary storage cell.