

APPLICANT: **DIE CAST PROMOTIONS BY F.F. ERTL III, INC.**

Circuit Description

Q1 the 27.145 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 T2, L1, L2, C7, and C8 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 20cm long spring type. 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.