

Circuit Description

The 27.145MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by IC (U1). The output of Q2 has the matching network consisting of L2 and C10 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 31cm long metal wire. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 9Volt (“6F22”) primary storage cell.