

## **Model: 3123**

### Circuit Description

The 27.145MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by IC (PT8A977P). The output of Q1 has the matching network consisting of L3 and C1 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 47.5cm long metal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 9 Volt ("6F22" size battery x 1) primary battery