

## **FCC ID: RI3-1530-49-27**

### **Circuit Description**

The 27.145MHz crystal oscillator drives the base of Q102 the final/buffer amplifier. The modulation provided by IC. The output of Q102 has the matching network consisting of L103 and C106 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 46cm 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 4.5 Volt ("AA" size battery x 3) primary battery