

## **FCC ID: PAOBM101**

### **Circuit Description**

The 16.63MHz(Channel 1 x 3 to 49.89), 16.61MHz(Channel 2 x 3 to 49.83) crystal oscillator drives the base of Q4 the final/buffer amplifier. The modulation provided by Mic. The output of Q4 has the matching network consisting of L1 and C21 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 10.5cm 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 9 Volt ("6F22" size battery x 1) primary battery or adapter.