

## **FCC ID: M8QS3227TX**

### **Circuit Description**

The 27.145MHz crystal oscillator drives the base of Q3 the final/buffer amplifier. The modulation provided by Q1 and Q2. The output of Q3 has the matching network consisting of L2 and C6 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 8.5cm long telescoping chrome over brass tubing. 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) and 3Vd.c. ("AA" size battery x 2) primary battery