

## **FCC ID: Q4S87025**

### Circuit Description

The 27.145MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by IC (HES-3018). The output of Q2 has the matching network consisting of L1 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 45cm 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