

## Circuit Description

Model: RC-HR-14 49M

The 49.860MHZ crystal oscillator drives the base of Q5 the high frequency amplifier. The modulated frequency provided by IC. The output of Q4 has the matching network consisting of C9 and L6 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 86cm long metal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by 9 Volt(“6F22” size battery×1) primary battery.