

## **Operation Description**

The Equipment Under Test (EUT) is a Program Car operation at 49.86MHz. The EUT is supplied source by new 1X9V alkaline battery. The transmitter is a 2 buttons transmitter. The EUT continues to transmit while button is being pressed, Modulation by IC. And type is pulse modulation.

The 49MHz crystal oscillator drives the base of Q2 the high frequency amplifier.

The modulated frequency provided by IC . The output of Q2 has the matching network consisting of C6, L2, L3 and C9 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

The antenna consists of a 34cm long telescoping chrome over brass tubing. There is no external ground connection. The ground is only that of the printed circuit board.