

1. Circuit Description

Q3 become 27.095MHz crystal oscillator and provide carrier wave for *Q4* modulation . *Q4* adjust IC output modulated signal to modulation and provide buffer amplifier . The output of *Q4* has the matching network consisting of *L2* , *C12* , *L3* and *C13* , that limit harmonious content and effect the proper coupling of the antenna to the output stage. *Q1* and *Q2* control *Q4* bring 27.095MHz crystal oscillator.

2. Antenna ground and power source.

The antenna consists of a 45cm long telescopic 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 Volts Primary storage cell.