

Operation Description

Q2, Y1, L2, R1, R3, C4, C3 constitute 49.860MHz oscillator, Q1 is a modulator and RF amplifier. the modulation signal provided by IC1. The output of Q1 has the matching network consisting of L1, L4, L3, C2, C8, C1 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground, and Power Source

The antenna length is 38cm. There is no external ground connection. The ground is only that of the printed circuit board.