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FCC STANDARD

Circuit Description

Q1 the 49.860MHz crystal oscillator drivers the base of U1 the final amplifier. Summed into the same (U1) is the modulation by amplifier circuit with mic. The output of Q1 has the matching network consisting of L1, T1, C2 and C3 that limit the harmonic content and effect the proper coupling of antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 10cm long whip antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 6 Volt primary storage cell.