

Circuit Description

Q1 the 49.860 MHZ crystal oscillator drives the base of **Q2** the final amplifier.

Summed into the base (**Q2**) is the modulation by amplifier circuit with speaker.

The output **Q1** has the matching network consisting of **L1, L2, C2** and **C3** 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 95mm 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 9 Volt primary storage cell.