

FCC ID: SM3RC09038A

Circuit Description

The 27.145MHz crystal oscillator drives the base of Q3 the final/buffer amplifier. The modulation provided by IC. The output of Q3 has the matching network consisting of L4 and C18 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 72cm long metal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 12 Volt ("AA" size battery x 8) primary battery