

FCC ID: LU9365488A

Circuit Description

The 98.5MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by IC. The output of Q1 has the matching network consisting of C9, C10, C12 and L4, L5 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 3.5cm 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 3 Volt (“AAA” size battery x 2) primary battery

Operation Descriptions

The transmitter is a voice transmitter operating at 98.5MHz band. The transmitter is powered by a 3V battery (“AAA” size battery x 2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 98.5MHz carrier frequency.

Remarks:

The transmitter is a 3 switch button transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by IC; and type is Amplitude modulation.