

FCC ID: LU9396697
Circuit Description

The 99.9MHz RC oscillator drives the base of Q2 the final amplifier. The modulation provided by Mic. The output of Q2 has the matching network consisting of C8, C9, C14 and L2, L3 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 25.5cm long wire 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 FM transmitter operating at 99.9MHz band. The transmitter is powered by a 3V battery (“AAA” size battery x 2) and the transmitting frequency is RC controlled. There is a switch to control the EUT on/off status. The operation is achieved by different combinations of form frequency modulating signal on the 99.9MHz carrier frequency.

Remarks:

The transmitter is a one switch transmitter. The EUT continues to transmit while switch is on. It is FM transmitter, Modulation by Mic. and type is frequency modulation.