

## FCC ID: CIXAL82314

### Circuit Description

The 100MHz LC oscillator drives the controller of Q1 the final/buffer amplifier. The modulation provided by Mic. The output of Q1 has the matching network consisting of C1, C2 and C11 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 56cm 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 ("AA" size battery x 2) primary battery

### Operation Descriptions

The transmitter is a FM transmitter operating at 88-108MHz band. The transmitter is powered by a 3V battery ("AA" size battery x 2) and the transmitting frequency is LC. The operation is achieved by different combinations of form frequency modulating signal on the 100MHz carrier frequency.

#### Remarks:

The transmitter is a one switch transmitter. The EUT continues to transmit while switch on. It is voice transmitter, Modulation by Microphone; and type is Frequency modulation.