FCC ID: II622270

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q1 the final/buffer amplifier.
The modulation provided by Microphone. The output of Q1 has the matching network consisting of C1, C2, C6 and C7, L1 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 7cm 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 9 Volt ("6F22" size battery x 1) primary battery

Operation Descriptions

The transmitter is a voice transmitter operating at 49.86MHz band. The transmitter is powered by a 9V battery ("6F22" size battery x 1) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 49.86MHz carrier frequency.

Remarks:
The transmitter is a 1 Button transmitter.
The EUT continues to transmit while Button is being pressed.
It is Voice transmitter, Modulation by Microphone; and type is Frequency modulation.