

OPERATIONAL & CIRCUIT_DESCRIPTION:

The LU0-242567 is a noise monitoring device. Once the UUT is turned on it transmits on 49MHz any audio that it picks up.

Q4 is an audio amplifier circuit to amplify the low level signal from the microphone. Q1 further amplifies the audio so that there is sufficient level to drive the transformer T1. The output of T1 is coupled to the final RF stage Q2 at T2. Q3 and associated circuitry is the crystal oscillator which is drive Q2 at the base. The whole transmitter is energized from a 7.5 volt battery (5 - 1.5 volt cell).