

## **Operation Description of transmitter for FM Wireless Microphone**

The FM wireless microphone is a transmitter operating at 100 MHz by LC circuit (C3, L4). It is powered by 1 x 1.5 V AA size battery. There is an ON/OFF switch on the body of the mic. When it switches on, the LED lights up and it transmit signal to the receiver.

Refer to the circuit design, the circuit description is listed as follows :

- Q2 and associated circuit act as mixer
- Q1 and associated circuit act as amplifier
- Q3, Q4 and associated circuit act as regulator