

# FT100 Theory of Operation

- 1、 Power the EUT by a piece of AAA size battery(1.5V) or plug the DC jack
- 2、 Switch SW2 to choose the right frequency from 106.7 MHz to 107.9 MHz that wanted to emit.
- 3、 The audio signal was sent through the audio input jack, and modulate the carrier frequency by Q1
- 4、 The modulated RF signal shall then be amplified by Q2
- 5、 The amplified RF signal was sent to the transmitting antenna after being filtered
- 6、 The antenna used to transmit the modulated RF signal is designed as an integral antenna Integrated on the Printed Circuit Board.