

## **FCC ID JS-27V**

### **AUDIO CIRCUIT**

The audio signal is injected via the microphone sensor into the audio circuit composed of the IC 2 and IC 3. The level of the output signal is controlled by the resistors VR1.

### **MODULATOR CIRCUIT**

The modulator circuit is a direct FM type built around the local oscillator controlled by D1 , crystal, Y2, transistor Q4, Q3, Q2. The modulated output from the oscillator is sent to the RF amp.

### **RF PRE-AMPLIFIER & FINAL AMPLIFIER**

One transistor amplifier stages, using Q1 transistor, culminating with a normal transmitter output of less than 1MW. The output filter comprised of capacitor and coil to suppress the output harmonics and matches the output to the integrate antenna.

### **POWER CIRCUIT**

The power is controlled by IC 78L05