

## Technical Description

### Transmitter

High frequency carrier wave is generated by the radio frequency oscillator (crystal 171.905MHz) which should be 171.905MHz. The carrier wave will be then amplified by frequency amplifier and power amplifier (amplifier the signal by the KS8803BD) before modulation. The modulator mixes the voice signal (i.e. KS8803BD) into the carrier wave and then will be transmitted outside through antenna.