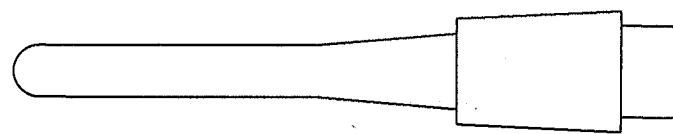


## **Technical Description**

### Transmitter

High frequency carrier wave is generated by the radio frequency oscillator (LC network 5T D=4.7mm, C=20pF) which should be 107.5MHz. The carrier wave will be then amplified by frequency amplifier and power amplifier (amplify the signal by the 9018 transistor) before modulation. The modulator mixes the voice signal (i.e. change the 9018 transistor basis) into the carrier wave and then will be transmitted outside through antenna.

## **Antenna Configuration**



**Transmitter Antenna length: 112mm**