

Model: FRS-S14

Brief Circuit description

1. Rx. Part

RF Signal received by Antenna. The signal within 462~467MHz passing through LPF & LNA(Q1) and Mixed(Q3) with first local signal from VCO(Q10,D7,L18), first IF (21.7MHz) Amplitude by Q4 and input to FM IF IC (IC1 KA3361 pin#16)

The FM IF IC including Mixer (21.7MHz with 21.25MHz) and Second IF (450KHz) Amp and demodulator.

The demodulated voice signal from ICI pin#9 passing through LPF(IC1 03B) and Power Amp(IC101)

2. Tx Part

The voice signal from MIC100 passing through BPF (IC103A, D, C) and input to the modulator (D7,L18,Q10)

The VCO signal passing through the Amp driver(Q7,Q8) and final Amp (Q5,Q6).