

Circuit Description

MODEL NO. 10078
FCC STANDARD
MADE IN CHINA

This transceiver was designed for working continuous transmission and reception same as duplex operation system.

The easiest way is to use one X'tal oscillator (Q1 & Q2) to feed the TX and RX by using tuning coils (T1 & T3) for chosen frequencies were 49.860 MHz for one unit and 49.405 MHz for the other unit.

T1 is the RF mixer with transistor (Q3) and the 455KHz IFT is applied to ready made if frequencies to IF amp (IC1). The circuit is crudely modulated hence can be detected by IC1 and output to audio amp and listen the signal at the speaker.

The other way of pick up voice signal to mic and amp by transistor for (Q4) in the output biasing circuit instead of the amplitude modulation fed directly to the collector of Q2. The emitter circuit of the oscillator Q1 stage is tuned to the X'tal frequency filtering and transmit to the antenna.