

The Description of the Circuit of Transmitter

Operation Frequency: 88.5MHz

Modulation Type: FM

This circuit is a typical low-power FM transmitter circuits. The audio signals input from R1,R2 separately, after a series of Resistance and Capacitance Coupled Circuit which formed by C1,C2,R4,R6, then go to the mixing modulation circuit that flap Q1,R7,R8,C3,C4,C5,C6,BT1.

Through mixing modulation, it produces a frequency signal, coupled to BT1 secondary. Via C7, it enter FREQUENCY-SELECTIVE amplifier of Q2,R9,R10,L1, select the frequency 88.5 MHz approximately to amplify the power. The RF amplifier signal outputs from C8, and take the Band-pass Filters of L2 (with impedance matching), more to filter remnant Harmonic, then transmit around via antenna (efficient radius in 7 Meters)