

Circuit Description

The TX400-72FM transmitter is made up with High-Frequency (HF short for as follows) circuit and Low-Frequency (LF short for as follows) circuit. Separately, the HF part include RF Oscillation, RF Amplifier, Power Amplifier and Matched Impedance Antenna circuit, and Modulation Signal Source, Shaping circuit are included in the LF part.

This transmitter comprises 4 proportional control channels. $P_1 \sim P_4$ is the control pot of each proportional channel. When different voltage being sent into correspondence pins of MCU PIC16F676, the pin 5 outputs a pulse train used to modulating carrier signal.