Theory of Operation for CF2028F FM Transmitter

1. MCU(MW1415) control LCD to display frequency and PLL chip (WM 2822) to change the frequency. At the same MCU will detect if there is input in the button.

2. PLL(WM2822) IC will control the frequency of oscillation source which is made up of triode Q1 and transfiguration diode VD1 and lock the required frequency automatically. Signal will be amplified by triode Q2 and sent out through antenna.

3. Stereo audio signal is mixed through WM1418 and then will be mixed with 19kHz frequency-guide signal. The mixed signal is modulated to carrier signal through VD1 transfiguration diode.