

Transmitter Operation Description

Operation Frequency: 88.1M-107.9MHz

Modulation Type: FM

The audio frequency signal is imported from the 1st and 24th foot of IC2, and exported by the 5th foot in the format of mix-frequency signal, then get to the cathode frequency modulation of the trans-capacitance diode via C10、R6, it is also controlled by the lock-photograph loop signal DATA which passes by the MPU of IC1, when IC2 receive the modulating surge signal that exported from 7th foot, it will pass this signal through C15,C16 and the 10th foot of TX-VCO, and then compare to the inner benchmark frequency, at last, the lock-photograph loop press-control voltage FX-PLL is received.

The adjusted transmit frequency signal is added to the basic-pole of C18 by Q2 to magnify the power, the magnified signal is passed by C19, L3, and then transmitted around by the antenna, this signal will be received by radiogram.