

Sub. : RF Circuit Descriptions of TX

The data from MPU PIN #11(Location # U1) is modulated by Variable-capacitance Diode (Location# D101). The modulated data is transferred to Crystal(Location# X1) through C4, L1 and R4.

Crystal(Location # X1) as the fundamental frequency is oscillated and formed as 48.31MHz. The frequency of 48.31MHz is multiplied by the components such as Q1, C7, C8, VC1, C9, L3 and R6. The multiplied frequency is filtered and formed for the frequency of 434.79MHz by Q2, L5 and C16.

The frequency of 434.79MHz is amplified through the components of Q3, L6 and C26 and transferred to Antenna.