

Circuit Description of TX Module

Constant voltage of +5V is supplied from the control board. During the transmission, the u-COM supplies signal to the TX Module. For modulation, the signal goes under the process of frequency modulation by the Diode VD1 (KDV153). The Crystal (Y1), an oscillation device, is oscillated by the TR Q1.

Tripled at the Double Tuned Circuit (L3-C16, L4-C13), the RF signal is inputted into the Q2 Base and amplified. The amplified signal goes through the Double Tuned Circuit (L15-C15, L6-C17) and is tripled. The RF signal is tripled at the TR Q3 and goes through the Antenna Matching Set (C21, L8). Then, it is radiated through the Antenna.