

K8 Transmitter Circuit Description:

The following is the three main part for circuit system for the transmitter

- a. Main MCU
- b. From dynatron (Q1), F1 Inductance (L1), Capacitor (C2), resistance (R7) combine UHF frequency 315 MHz Oscillate circuit.
- c. use Inductance Q2 to make the ASK Modulation.

Circuit working description:

Main control unit (MCU) has the internal Oscillator with a frequency of 4 MHz. All the codes and functions are controlled by software. When MCU receive “Help” command, then GPO will output 500US/1500US codes, those codes will direct go to the dynatron (Q2) and control the 315Mhz circuit transmitter and the combination of dynatron (Q1), Crystal (F1), Inductance (L1), Capacitor (C4) to achieve ASK Modulation.. The output signal goes to Capacitor (C5) through filter that combined with C6, C7 and L3 then transmit through the antenna.