

### **Technical Description of Transmitter Model: TVH600**

Model: TVH600 is a Remote control and transmit control signal at frequency 315MHz. After every time the user press the buttons. The control signal will be transfer to the receiver unit through 315MHz. It composes a controller part and a transmitter part. IC U1 (UPD78F9222) is the controller part. For the transmitter part, SAW1, Q3, C5, R5, C6 and R4 are used to determinate the resonant frequency that is 315MHz. There is a LC filtering circuitry, L1 and C9; L2 and C7, C8, that is used to suppress harmonics of the oscillator. Capacitances , C20 is employed to match the impedance of the antenna. The circuit makes of L3, C18, and C19 is the harmonics filter.