

## 1. TX Technical Description

### Technical Description

| Description                       | Function   | Component |
|-----------------------------------|--|-----------|
| Antenna                           | Transmit modulation RF signal                            | Ant       |
| Low Pass Filter                   | Suppression of spurious emissions                        | C3        |
| RF Power Amplifier and Modulation | Modulate the carrier and amplify the modulated RF signal | Q1        |
| Constant voltage power supply     | Constant voltage to 5V                                   | Q1,R6,R8  |
| Oscillator                        | Generate 315MHz carrier                                  | Y1        |
| Encode IC                         | Generate code signal to modulator                        | IC        |

Press ON/OFF once, MCU (2260) 8 pins emit 2.76 Sec signals, loading on the 315MHz high frequency oscillation circuit (composed by transistor J3Y and resonator Y1) generate carrier and transmit through ANT. The IC request input power is 5V, the modulation is ASK. The antenna type is integral without external RF port.