

### **315MHZ Transmitter Operation description**

Transmitter Frequency: 315MHz

Modulation type: ASK

The control data signal is input to MCU by pressing the keyboard PCB. R1 provide the 2kHz clock signal to MCU.

Q4 is the oscillator transistor, which oscillating frequency is depends on Y1, C4, C2, R4 and C3, final oscillating frequency is 315MHz.

Q3 is amplitude-transistor, and amplify the signal to oscillator transistor, and transmitted through the printed PCB antenna.

C1 serve the function of antenna matching network