

### Circuit Description

The whole product power supply by DC12V. The IC TH7203 operates by 5V. After enabling the transmitter by the ENTX signal, the power amplifier remains inactive for the time  $t_{on}$ . The Transmitter start-up time. The crystal oscillator starts oscillation and the PLC locks to the desired output frequency within the time duration  $t_{on}$ . After successful PLC lock, the lock signal turns on the power amplifier, and then the RF Carrier can be ASK modulated. The center Frequency 915MHz output through antenna matching network transmit.