

## 1. TX Technical Description

### Technical Description

Description	Function	Component
Antenna	Transmit modulation RF signal	Ant
Low Pass Filter	Suppression of spurious emissions	C16, L3
RF Power Amplifier and Modulation	Modulate the carrier and amplify the modulated RF signal	Q4
Constant voltage power supply	Constant voltage to 5V	Q6,R20,R21
Oscillator	Generate 315MHz carrier	T1
Encode IC	Generate code signal to modulator	IC

Press ON/OFF once, MCU (TM57PE11) 8 pins emit 4.5 Sec signals, loading on the 315MHz high frequency oscillation circuit (composed by transistor 3356 and resonator T1) 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.