

# Technical Description

Description	Function	Component
Antenna	Transmit modulation RF signal	ANT
Low Pass Filter	Suppression of spurious emissions	C3.C4. ring ANT
RF Power Amplifier and Modulation	Modulate the carrier and amplify the modulated RF signal	Q2
Constant voltage power supply	Constant voltage to 12V	R6.R7.K1.C2.Q1
Oscillator	Generate 315MHz carrier	Y1
Encode IC	Generate code signal to modulator	U1

Press K1 once, MCU (PT2264) 16 pins emit 1 Sec signals, loading on the 315MHz high frequency oscillation circuit (composed by transistor Q2 and Resonator Y1) generate carrier and transmit through ANT. The IC request input power is 12V, the modulation is ASK. The antenna type is integral without external RF port