

Applicant: Oban U.S. LLC
FCC ID: XK2LA2TX

Operation Description

U2 is a low voltage detector IC which is used to detect power supply; U1 is a MCU generating data information; L1 R5 FR1 Q1 and C2 set up 315MHz oscillating circuit; R6 R7 Q3 and L2 set up modulating amplifier. RF sends out through the antenna.

The antenna is made of copper wire which diameter is $\Phi 0.5\text{mm}$, the length of antenna is about 110mm and its shape is a circle. Common grounding on PCB is not connected to real external ground. Power supply of the whole circuit comes from a 3 volt lithium battery.