

## **Operation Description for R/C Catapult (27MHz)**

The transmitter for R/C Catapult is powered by 1 x 9V size battery. The radio frequency channel is 27.145MHz. There are two control sticks and one button on the EUT. When the control stick is pushed or the button is pressed, the EUT will transmit different radio control signal to the receiver.

Referring to the transmitter circuit design, the circuit description is listed below:

- U1 and its associated circuit act as an encoder and a RF amplifier.
- Y1 and its associated circuit act as an oscillator.
- Q1, D2 and its associated circuit act as a voltage regulator.