

## **Operation Description of transmitter for remote control toy car**

The transmitter for remote control toy car is operating at 27.145 MHz which is controlled by a crystal. It is powered a 9V battery. There is an ON/OFF switch, a pair of control levers on its left and right side to control the forward as well as backward moving and circular path respectively. It also has a button on the right side featuring a jumping function.

Refer to the circuit design, the circuit description is listed as follows :

- IC1 and associated circuit act as encoding
- Q1 and associated circuit act as modulation
- X1, Q2 and associated circuit act as oscillation and amplification