

## **Operation Description**

The EUT is a transmitter for Rally Racer operating at 27.145 MHz. It is crystal-controlled and is powered by 1 x 9V battery. There are a forward/ backward lever and a wheel on the EUT. When the forward/ backward lever is activated, it will transmit a signal for the receiver to go forward/ backward. When the wheel is rotated, it will transmit a signal for the receiver to turn left or right.

Referring to the circuit diagram, the brief circuit description is as follow:

- XTAL and associated circuit act as oscillator
- IC TX-2 and associated circuit act as encoder
- Q1 and associated circuit act as amplifier
- D3 and associated circuit act as voltage regulator