

Operation Description of transmitter for 1/64 Hot Wheels R/C

The 1/64 Hot Wheels R/C is a transmitter operating at 49.860 MHz which is controlled by a crystal. It is powered by 6V battery. There two joystick in the front of the EUT. When the forward/backward joystick pushed once, it transmits a radio frequency for receiver going forward/backward. When the left/right joystick pushed once, it transmits a radio frequency for receiver turn left/right.

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

- Q7, X1 and associated circuit act as oscillator
- Q5 and associated circuit act as amplifier
- U1 and associated circuit act as encode
- Q1, Q2 and associated circuit act as power control