

Technical Description

The Equipment Under Test (EUT) is portable car for a RC car set which operates at 49.860MHz. The EUT is power by 1 x 4.8V Rechargeable battery.

After switching on the EUT, the car will be moved forward or backward, turned left or right based on the joystick control in the controller.

Antenna Type: Internal, Integral antenna

The brief circuit description is listed as follows:

1. IC1 (PT978) acts as decoder
2. Q1 acts as super-regenerative receiver
3. CN1 & CN2 act as LED connectors
4. Q2, Q3, Q4 and Q5 act as IF amplifier
5. Q6, Q7, Q8 and Q9 act as LR motor drivers
6. Q10, Q11, Q12 and Q13 act as FB motor drivers