

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 6.4V 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. U1 (PT8A978B) acts as decoder
2. Q1 acts as super-regenerative receiver
3. Q16-Q17 act as IF amplifier
4. Q14 – Q15 act as LED driver
5. Q2-Q3, Q10-Q11 and Q12-Q13 act as MG1 motor driver
6. Q4-Q5, Q6-Q9 act as M motor driver