

Technical Description (Receiver portion)

The equipment under test (EUT) is a superregenerative receiver of a RC car operating at 49.860 MHz. The EUT is powered by 5 x 1.5VDC “AA” size batteries. The EUT has an ON/OFF switch.

After switching ON the EUT and the transmitter of the RC car, the EUT can be controlled to move forward, reverse, left and right by the transmitter.

Antenna Type: Integral, Internal
Antenna gain is 0dBi

The circuit of the transmitter mentioned below.

- DZ1 and associated circuit act as a Regulator circuit.
- Q1 and associated circuit act as a Super-regenerative detector circuit.
- U1(PT97 and associated circuit act as an IF amplifier and Decoding circuit.