

## 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.