

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 3 x "AAA" 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: External, Integral

Antenna gain is 0dBi

The circuit of the receiver mentioned below.

-IC1 TXM8D423C and associated circuit act as a Low frequency signal amplifier shaping Decoding circuit.

-Q1 (2SC2712-LY), T1 (K165-103-6T) and associated circuit act as high frequency signal receiving amplification and detection.

-M1 and M2 acts as motor 1, motor 2.