

General Circuit Description

1.0 Product Description (Receiver)

The Equipment Under Test (EUT) is a Super-regenerative Receiver for a remote controlled Toy operating at 49.860 MHz. The EUT is powered by 3*1.5V "AA" batteries. The EUT can be controlled in four moving directions (forward/backward and left/right turn).

The brief circuit description is listed as follows:

- Q1 and associated circuit act as a RF amplifier.
- Q2,Q3,Q6,Q7,Q9,Q14 and associated circuit act as a steering motor driver.
- Q4,Q5,Q10,Q11,Q12,Q13 and associated circuit act as a racing motor driver.
- U1 and associated circuit act as decode IC.

Antenna Used:

An Integral Antenna has been used.