

Technical Description (Transmitter portion)

The Equipment Under Test (EUT) is a transmitter of a RC system, which is operating at 49.860MHz as dictated by a crystal. The EUT is powered by 1 x 9V Block size battery. The EUT has a power ON/OFF switch and control key.

After switching ON the EUT and the corresponding car(ie. Receiver), activating the control key on the EUT can control the car moving forward, backward, left and right.

Antenna Type: Integral, external

Nominal field strength is 70.8dB μ V/m @ 3m

Production Tolerance of field strength is 67.8 dB μ V/m to 73.8 dB μ V/m

Antenna gain is 0dBi

The circuit of the transmitter mentioned below.

- ZD1 and associated circuit act as a Regulator circuit.
- U1(TX-2) and associated circuit act as a Coding circuit.
- Q1 and associated circuit act as an Oscillation circuit.
- Q2 and associated circuit act as an AM.
- T1 and associated circuit act as a Frequency selection.
- L1 and associated circuit act as an Antenna matching.
- Y1 acts as 49.860MHz crystal and acts a system clock