

Technical Description (Transmitter portion)

The Equipment Under Test (EUT) is a transmitter of a RC system, which is operating at 27.145MHz as dictated by a crystal. The EUT is powered by 2 x AAA size batteries. 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 61.9dB μ V/m @ 3m
Production Tolerance of field strength is 58.9 dB μ V/m to 64.9 dB μ V/m
Antenna gain is 0dBi**

The circuit of the transmitter mentioned below.

- K1, K2, K3, K4 and associated circuit act as a Control key.
- U1(IC-8) and associated circuit act as a RFIC Encoding circuit.
- Q2 and associated circuit act as an Oscillation circuit.
- Q1, L3 and associated circuit act as a Filter.
- X1 acts as a 27.145 MHz crystal and acts as a system clock.