

Technical Description

The Equipment Under Test (EUT) is a transmitter of a RC Car operating at 49.860 MHz as dictated by a crystal. The EUT is powered by a 9.0 V DC source (1 x 9V battery). The EUT has a forward or backward control lever and a left or right control lever.

After switching ON the EUT and the receiver of the RC Car, activating the control levers on the EUT can control the receiver moving forward, backward, left or right.

Antenna Type: External integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 72.2dB μ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB

The brief circuit description is listed as below:

1. U1 and the associated circuit act as MCU.
2. Q1, Q2 and the associated circuit act as Regulator and oscillation circuit.
3. Y1 and the associated circuit act as 49.86 MHz frequency oscillator.