

Technical Description

The Equipment Under Test (EUT) is portable controller for a RC car set which operates at 49.860MHz. The EUT is power by 2 x 1.5V AA batteries.

After switch on the EUT, the car will be moved forward or backward, turned left or right based on the joystick control on the controller.

Antenna Type: External Dedicated Whip Antenna

Antenna Gain: 5dBi

Nominal rated field strength is 64.9 dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as below:

- 1) L1, L4 and C2 act as an Antenna Circuit.
- 2) X1 and Q1 act as a 49.860MHz oscillator.
- 3) Q2 acts as Modulator and Amplifier.