

Technical Description

The Equipment Under Test (EUT) is portable controller for Remote Controlled car set which operates at 49.860MHz. The EUT is power by 3.0V (2 x 1.5V AA batteries).

After switch on the EUT, the car will be moved forward or backward and turned left and right based on the switches pressed in the controller.

Antenna Type: External, Dedicated Whip Antenna

Antenna Gain: 0dBi

Nominal rated field strength: 67.9dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 (TX2-4) acts as encoder
2. Y act as 49.860MHz oscillator
3. Q1 & Q2 act as modulator & amplifier