

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 1 x 9V battery.

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

Antenna Type: Internal, Integral

The brief circuit description is listed as below:

- 1) U1 Encoding Circuit (PT977).
- 2) Y1 (49.680MHz) acts as a crystal for Q1.
- 3) Q1 acts as Oscillation Circuit for Q2 (2712).
- 4) Q2 acts as RF Power Amplifier and modulator (2712).
- 5) ZD1 acts as Voltage Regulator for U1, Q1 and Q2 (ZD1)

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength is 71.4 dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB