

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 4.5V (3x 1.5V AAA 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: 68.3dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 (W20190403) acts as decoder
2. X1 acts as 27.145MHz oscillator
3. Q1 (945/CR) and Q2 (3904) act as amplifier & regulator
4. C4, C6, C8, L3 and L4 act as antenna circuit