

## 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 $\mu$ 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