

Technical Description

The Equipment Under Test (EUT) is portable controller for a RC car set which operates at 27.145MHz. The EUT is power by 3 x 1.5V AAA 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: 0dBi

Nominal rated field strength is 58.7dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as below:

- 1) U1 (W20190403) acts as MCU
- 2) L3, L4, C4, C6 and C8 act as an Antenna Circuit.
- 2) X1 acts as a 27.145MHz oscillator.
- 3) Q1 & Q2 acts as Modulator and Amplifier.