

## Technical Description

**The Equipment Under Test (EUT) is portable controller for Remote controlled car set which operates at 27.145MHz.**

**The EUT is power by 1 x 9.0V Alkaline battery.**

**After switching 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: External, Dedicated Telescope Antenna

Antenna Gain: 0dBi

Nominal rated field strength is 44.1dB $\mu$ V/m at 3m

Maximum allowed production tolerance: +/- 3dB

Antenna Type: Internal, Integral antenna

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

The brief circuit description is listed as below:

- 1) Y1 acts as a 27.145 MHz oscillator.
- 2) U1 (PT977) acts as MCU
- 3) Q1 & Q2 act as Modulator & Amplifier