

## Technical Description

The Equipment Under Test (EUT) is a portable 27MHz Transmitter (Controller Unit) for a RC car.

The EUT is powered by 9V battery. After switch on the EUT, the car can be controlled to move forward/backward and turn left/ right by the controller.

Antenna Type: Dedicated Telescope Antenna

Antenna Gain: 0dBi

Nominal rated field strength: 71.1dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 and the associated circuit act as encode circuit.
2. S1, S2 and the associated circuit act as controller buttons.
3. Y1 and the associated circuit act as 27.145MHz frequency oscillator.