

## Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC car operating at the frequency range of 2405-2475MHz with 1 MHz channel spacing.

The EUT is powered by 1\*9V battery. After switching on the EUT and being paired with car, the car can be controlled to move forward/backward and turn left/ right by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 98.5dB $\mu$ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 2dB

The brief circuit description is listed as below:

1. U1 and the associated circuit act as the oscillating and decoding circuit.
2. Y1 and the associated circuit act as 12MHz frequency oscillator.
3. S1. S2 act as the control keys.