

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 2408-2472MHz with 1 MHz channel spacing.

The EUT is powered by 3*1.5V AAA 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: 92.6 dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 and associated circuit components function as the MCU & RF module.
2. Y1 represents the 16MHz frequency oscillator.
3. IC1 represents the power regulator.
4. K1-K8 are the control keys.