

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC Car operating at 2402MHz to 2480MHz with 1MHz channel spacing. The EUT is powered by 3 X 1.5V AAA batteries. After switch on the EUT and 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: 98.2dB μ V/m at 3m

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

The brief circuit description is listed as below:

- 1) U2 and the associated circuit act as a 2.4GHz Module.
- 2) U3 acts as the DC convertor.
- 3) Y2 acts as the crystal oscillator for U2