

# Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) operating at 2412MHz only for a RC controller operating at 2412, 2420, 2427, 2439, 2442, 2450, 2457 and 2468 MHz. The EUT is powered by 1 X 7.4V rechargeable battery. After switch on the EUT and paired with RC Controller, the RC Car can be controlled to fly forward, backward, turning left/ right direction by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 87.6dB $\mu$ V/m at 3m

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

The brief circuit description is listed as follows:

1. U1 (ZT245L) acts as 2.4GHz RF Module
2. Y1 acts as 16MHz Oscillator
3. U1 acts as charge control
4. U4 acts as MCU
5. U2 acts as LDO
6. U5- U7 act as Motor driver