

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 61 channels, normally at 2412 - 2472 MHz for transmitter and receiver. The channels are separated by 1 MHz spacing.

The EUT is powered by 2 x 1.5V AAA batteries. After switch on the EUT, the car will be moved forward or backward and turned left and right based on the switches pressed in the controller.

The brief circuit description is listed as below:

1. U1 acts as 2.4GHz RF module chip set
2. Y1 acts as Crystal oscillator of 2.4GHz RF module
3. C1, C4 & L2 act as antenna matching circuit.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength is 102.3 dB μ V/m at 3m

Maximum allowed production tolerance: 100 - 103dB μ V/m at 3m