

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. The channel is separated by 1 MHz channel 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.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 85.6 dB μ V/m at 3m (Peak), 61.4dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 acts as 2.4 RF MCU portion
2. Y2 acts as 12MHz Oscillator
3. L1, C12 and C6 act as antenna matching circuit