

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transmitter (Controller Unit) for a RC car. The sample supplied operated on 8 channels, normally at 2408 - 2467 MHz. The channel table is shown below.

2408	2414	2428	2434
2440	2455	2461	2467

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

The brief circuit description is listed as below:

1. U4 acts as 2.4GHz RF Chip set with MCU
2. Y1 acts as 16MHz of Crystal Osc.
3. L1, C2 & C3 act as antenna matching circuitry.

**Antenna Type:** Internal, Integral antenna

**Antenna Gain:** 0dBi

**Nominal rated field strength** is 88.0 dB $\mu$ V/m at 3m

**Maximum allowed production tolerance:** +/- 3dB