

## 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 - 2467MHz. 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 in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 89.5dB $\mu$ V/m at 3m

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (RF2417) acts as MCU
2. Y1 acts as 12MHz Oscillator
3. C3, C6 and I1 act as antenna matching circuit