

## Technical Description

**The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 22 channels, normally at 2420 - 2465MHz. The channels are shown in below table.**

2420	2422	2424	2426	2428
2430	2432	2435	2437	2439
2441	2443	2445	2447	2449
2451	2453	2455	2457	2459
2461	2465			

**The EUT is powered by 2 x 1.5V AAA batteries. After switching 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 94.6dB $\mu$ V/m at 3m (Peak), 84.0dB $\mu$ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PAN2416AV) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. L1, C1 and C5 act as antenna matching circuit