

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 20 channels. The channels are shown in below tables:

2411	2413	2420	2422
2424	2426	2428	2435
2437	2439	2441	2443
2445	2451	2453	2455
2461	2468	2470	2472

The EUT is powered by 2 x 1.5V AAA batteries. After switching on the EUT, the car will move and perform different actions based on the switches pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 89.4dB μ V/m at 3m (Peak), 61.7dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PAN2711) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C1, L1 and L2 act as antenna matching circuit