

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 33 channels. The channels are shown in below tables:

2420	2421	2423	2424
2425	2426	2427	2428
2430	2434	2436	2437
2438	2439	2440	2441
2442	2443	2444	2445
2446	2451	2452	2453
2454	2455	2456	2457
2458	2459	2460	2461
2465			

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 90.6dB μ V/m at 3m (Peak), 62.3dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PAN2711R3BA) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C1, L4 and C9 act as antenna matching circuit