

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The operation frequency range is between 2410MHz and 2470MHz with following 21 channels used.

Channel	Frequency (MHz)
0	2410
1	2413
2	2416
3	2419
4	2422
5	2425
6	2428
7	2431
8	2434
9	2437
10	2440
11	2443
12	2446
13	2449
14	2452
15	2455
16	2458
17	2461
18	2464
19	2467
20	2470

The EUT is powered by 1 x 9.0V battery.

After switch on the EUT, the car will be moved forward or backward, turned left or right based on the switches pressed in the controller.

The brief circuit description is listed as below:

- 1) U1 acts as a 2.4G Module (PAN2416AV-2.4G).**
- 2) Y1 acts as a Crystal for U1 (16MHz).**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 98.7 dB μ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB