

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The operation frequency range is between 2403.6MHz and 2471.6MHz with the following 35 Channel used:

Channel	Frequency (MHz)
1	2403.6
2	2405.6
3	2407.6
4	2409.6
5	2411.6
6	2413.6
7	2415.6
8	2417.6
9	2419.6
10	2421.6
11	2423.6
12	2425.6
13	2427.6
14	2429.6
15	2431.6
16	2433.6
17	2435.6
18	2437.6
19	2439.6
20	2441.6
21	2443.6
22	2445.6
23	2447.6
24	2449.6
25	2451.6
26	2453.6
27	2455.6
28	2457.6
29	2459.6
30	2461.6
31	2463.6
32	2465.6
33	2467.6
34	2469.6
35	2471.6

**The EUT is powered by 4 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.**

**The brief circuit description is listed as below:**

- 1) U2 acts as a MCU (HF2402).**
- 2) Y2 acts as a Crystal for U2 (16MHz).**

**Antenna Type: Internal antenna**

**Antenna Gain: 0dBi**

**Nominal rated field strength: 85.7 dB $\mu$ V/m at 3m**

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