

## **Technical Description**

The Equipment Under Test (EUT) is a 2.4GHz RC car for RC Controller operated at 2413-2475MHz with 1MHz Channel Spacing. The EUT is powered by 1 X 9.9V Rechargeable battery. After switch on the EUT and paired with RC Controller, the RC Car can be controlled to move forward, backward, turn right/left by the controller.

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

- 1) U10 acts as MCU (N79E815).**
- 2) MD1 acts as 2.4GHz RF Module Circuit (TNT7105).**
- 3) Y1 is 16MHz crystal oscillator providing clock for MD1.**
- 4) U1 acts as Voltage Regulator (TX6240).**
- 5) U4, U5, U8 and U9 act as Motor Driver for Steering (CEU3172, CEU3172, CEU4311 and CEU4311).**
- 6) U2, U3, U6 and U7 act as Motor Driver for Throttle (CEU3172, CEU3172, CEU4311 and CEU4311).**
- 7) U12 acts as Voltage Regulator (DW7710).**

**Antenna Type: Internal antenna**

**Antenna Gain: 0Bi**

**Nominal rated field strength: 97.2dB $\mu$ V/m at 3m**

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