

Technical Description

The Equipment Under Test (EUT) is a 2.4GHz Controller for RC car operated at 2413-2475MHz with 1MHz Channel Spacing. The EUT is powered by 3 X 1.5V Rechargeable battery. After switch on the EUT and paired with RC Car, 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) U2 acts as MCU (N79E814).**
- 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).**

Antenna Type: Internal antenna

Antenna Gain: 0Bi

Nominal rated field strength: 96.9dB μ V/m at 3m

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