

## **Technical Description**

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC car operating at the frequency range of 2410, 2414, 2428, 2434, 2440, 2455, 2461 and 2477 MHz.

The EUT is powered by 2\* 1.5V AA battery. After switching on the EUT and being paired with car, the car can be controlled to move forward/backward and turn left/ right by the controller.

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

- 1) U1 acts as MCU and 2.4GHz RF Module Circuit (TX2I).**
- 2) XT1 is 12MHz crystal oscillator providing clock for U1.**

**Antenna Type: Internal antenna**

**Antenna Gain: 0dBi**

**Nominal rated field strength: 89.2dB $\mu$ V/m at 3m**

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