

## **Technical Description**

**The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) for a RC Controller from 2414MHz, 2423MHz, 2452MHz and 2467MHz of specified channels. The EUT is powered by 4 X 1.5V AA batteries. After switch on the EUT and paired with controller, the car can be controlled to move forward, backward, turning left/ right direction by the controller.**

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

- 1) U2 acts as MCU (T150718-261212)**
- 2) U3 acts as 2.4GHz RF IC (LT8901).**
- 3) Y1 is 12MHz crystal oscillator providing clock for U2.**
- 4) U1 acts as audio amplifier (AM5AB010-D9AD31).**
- 5) U5 acts as Motor Driver (FMRX2AMS).**

**Antenna Type: Internal antenna**

**Antenna Gain: 0dBi**

**Nominal rated field strength: 76.8dB $\mu$ V/m at 3m**

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