

## **Technical Description**

**The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) for a RC Controller from (2414,2423,2452,2467)MHz. The EUT is powered by 2 X 3.2VDC rechargeable batteries. After switch on the EUT and paired with controller, the EUT can be controlled**

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

- 1) U6 acts as MCU (PMC131).**
- 2) U3 acts as 2.4GHz RF IC (LT8900).**
- 3) Y1 acts as 12MHz Crystal Oscillator for U3.**
- 4) U2 and U4 act as Motor Driver (TA6586).**
- 5) U1 acts as Voltage Regulator (ME6208A).**
- 6) U5 acts as Voltage Regulator (SX1308).**

**Antenna Type: Internal antenna**

**Antenna Gain: 0dBi**

**Nominal rated field strength: 88.5dB $\mu$ V/m at 3m**

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