

## Technical Description

**The Equipment Under Test (EUT), is a portable 27MHz Transmitter for a RC Car. The sample supplied operated on a single channel, 27.145MHz.**

**The EUT is powered by 2 x 1.5V AA batteries. After switching on the EUT, the car will be moved forward or backward and turned left and right based on the switches pressed in the controller.**

Antenna Type: External Whip Antenna

Antenna Gain: 0dBi

Nominal rated field strength is 56.6dB $\mu$ V/m at 3m

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as below:

- 1) U1 acts as MCU
- 2) L1, C5, C6 and C7 act as an antenna matching circuit
- 2) Y1 acts as 27.145MHz oscillator.