

## Technical Description

The Equipment Under Test (EUT), is a portable 27MHz Transmitter for a RC Car. The sample supplied operated on a single channel, 27.149MHz.

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. Light will be emitted from the car when it is moving forward.

Antenna Type: External Whip Antenna

Antenna Gain: 0dBi

Nominal rated field strength is 67.9dB $\mu$ V/m at 3m (Quasi-Peak)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (TX-2A) acts as MCU
2. X1 acts as 27.145MHz Oscillator
3. L2, L3 and C6 act as antenna matching circuit.