

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Pure Transmitter (Controller Unit) for a RC car operating at 2405MHz to 2475MHz with 1MHz channel spacing. The EUT is powered by 1 X 9V batteries. After switching on the EUT, the car can be controlled to move forward, backward, turning left/right direction.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 92.7dB μ V/m at 3m

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

The brief circuit description is listed as below:

- 1) U1 and the associated circuit act as a 2.4GHz Module.
- 2) U2 acts as the connector between the circuit board and RF module.
- 3) Y1 acts as the crystal oscillator for U1
- 4) LED and the associated circuit acts as the power indicator.