

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC Car from (2414,2423,2452,2467)MHz. The EUT is powered by 2 X 1.5V AA batteries. After switch on the EUT and paired with RC Car, the RC Car can be controlled to move forward, backward, turning left/right direction by the controller.

The brief circuit description is listed as below:

- 1) U1 acts as MCU (AM8EB153).**
- 2) U2 acts as 2.4GHz RF IC (LT8900).**
- 3) Y1 acts as 12MHz crystal oscillator for U2.**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 84.5dB μ V/m at 3m

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