

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC Car from 2414MHz, 2423MHz, 2452MHz and 2467MHz of specified channels. The EUT is powered by 2 X 1.5V AA batteries. After switch on the EUT and paired with car, the 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 (LT8901).
- 3) Y1 is 12MHz crystal oscillator providing clock for U2.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 83.5dB μ V/m at 3m

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