

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) for a RC Controller from 2414MHz, 2423MHz, 2452MHz and 2467MHz. The EUT is powered by 4X 1.5V AA batteries. After switch on the EUT and paired with controller, the EUT can be controlled to move forward, backward, turning left/right direction by the controller.

The brief circuit description is listed as below:

- 1) U4 acts as MCU (AM8EB153)
- 2) U5 acts as 2.4GHz RF IC (ZW8901).
- 3) X1 is 12MHz crystal oscillator providing clock for U2.\
- 4) U2 and U1 act as motor driver (MX612).
- 5) U3 acts as Voltage Regulator (MX6206).

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 76.2dB μ V/m at 3m

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