

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Boat Unit) for a RC Controller from 2414,2423,2452,2467MHz. The EUT is powered by 3 X 3.2V rechargeable 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) U6 acts as MCU (PMC131).**
- 2) U3 acts as 2.4GHz RF IC (LT8900).**
- 3) Y1 acts as 12MHz Crystal Oscillator for U3.**
- 4) U7 and U8 act as Motor Driver (TA6586).**
- 5) U1 acts as Voltage Regulator (ME6208A).**
- 6) U4 acts as Motor Control (NCE2060K).**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 95.6dB μ V/m at 3m

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