

Technical Description

The Equipment Under Test (EUT) is a 2.4GHz transceiver, which was designed to be operated at the frequency range of 2410-2475 MHz with 1 MHz channel spacing.

The EUT is powered by 6.4V rechargeable battery, after being paired with the controller, it can be controlled to move forward/ backward/ leftward/ rightward.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 88.1 dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 with associated electronic components function as MCU and receiver module.
2. U2 with associated electronic components function as power convertor.
3. Y1 represents the 12MHz frequency oscillator.
4. U4, U5, U6 with associated electronic components function as motor drivers.
5. M1 and M2 represent two motors.