

## Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Drone Unit) for a RC Drone operating at the frequency range of 2408-2472MHz with 1 MHz channel spacing.

The EUT is powered by 3.7V rechargeable battery. After switching on the EUT and being paired with the controller, the drone can be controlled to fly forward/backward and turn left/ right by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 93.5 dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 and associated circuit components function as the MCU & RF module.
2. U2 function as the charge management unit.
3. Y1 represents the 16MHz frequency oscillator.
4. IC1 & IC2 represents the power regulator.
5. IC3 represents the gyroscope module.