

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Drone Unit) for a RC Controller operated at 2440MHz for pairing with Controller only. The EUT is powered by 1 X 3.7V rechargeable battery. After switch on the EUT and paired with RC controller, the EUT can be controlled to move forward, backward, turning left/right direction by the controller. The EUT is equipped with a charging port for charging by controller or computer.

The brief circuit description is listed as below:

- 1) U1 acts as MCU (GD82F180).**
- 2) U2 acts as Voltage Regulator (XC6206).**
- 3) U3 acts as G Sensor (6881).**
- 4) U4 acts as 2.4GHz RF IC (297L).**
- 5) Y1 is 16MHz crystal oscillator providing clock for U4.**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 92.5dB μ V/m at 3m

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