

Technical Description

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (controller Unit) for a RC Drone operated at 2406 to 2475MHz with 1MHz channel spacing. The EUT is powered by 4 X 1.5V AA batteries. After switch on the EUT and paired with RC Drone, the EUT can be controlled to move forward, backward, turning left/right direction by the controller. The EUT is equipped with USB port for charging to Drone only.

The brief circuit description is listed as below:

- 1) U2 acts as MCU (TMS131)
- 2) U1 acts as Voltage Regulator (XC6206).
- 3) U3 acts as 2.4GHz RF IC (ZW8901).
- 4) Y1 is 16MHz crystal oscillator providing clock for U3.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 94.8dB μ V/m at 3m

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