

## **Technical Description**

**The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) operating at 2408-2472MHz with 1MHz channel spacing for a RC Drone. The EUT is powered by 2 x 1.5 AAA batteries. After switching on the EUT and paired with RC Drone, the RC Drone can be controlled to move forward, backward, turning left/ right direction by the controller.**

**The brief circuit description is listed as below:**

- 1) IC5 acts as a RF MCU (PAN159CY).**
- 2) X1 acts as a Crystals(16M) for IC5.**
- 3) IC2 acts as a Sensor IC(MPU-6886).**
- 4) IC3 acts as a 3.3v regulator(SS6206).**

**Antenna Type: Internal antenna**

**Antenna Gain: 0dBi**

**Nominal rated field strength: 73.0 dB $\mu$ V/m at 3m**

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