

## **Technical Description**

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Plane Unit) for a RC Plane set. The sample supplied operated on 55 channels, normally at 2418 - 2472 MHz for transmitter and receiver. The channels are separated by 1MHz channel spacing.

The EUT is powered by 1 x 3.7V rechargeable battery. After switching on the EUT, the Plane will be moved upward and downward based on the switches pressed in the controller.

**Antenna Type:** Internal, Integral antenna

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

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

- 1) U2 & U5 acts as 2.4GHz RF chipset
- 2) Y1 acts as a 16MHz crystal.
- 3) U1 acts as Gyroscopes MEMS motion sensor.
- 4) U3 acts as IR Module.
- 5) U4 acts as voltage regulator.

**Antenna Type:** Internal antenna

**Antenna Gain:** 0dBi

**Nominal rated field strength is** 90.2 dB $\mu$ V/m at 3m

**Maximum allowed production tolerance:** +/- 3dB