

Technical Description

Report No.: 16031022HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Plane Unit) operating at the frequency range of 2407-2477MHz including 26 channels, which are shown as below:

2407	2408	2409	2410	2411	2413	2435	2436	2438	2440
2441	2442	2443	2444	2445	2467	2468	2469	2470	2471
2472	2473	2474	2475	2476	2477				

The EUT is powered by 3.7 V internal Rechargeable battery. After switch on the EUT and paired with plane, the plane can be controlled to move forward/backward and turn left/ right by the controller. The rechargeable battery can be charged via USB port.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 96.2dB μ V/m at 3m

Maximum allowed field strength of production tolerance: 93.2 dB μ V/m – 99.2 dB μ V/m

The brief circuit description is listed as below:

1. U1, U2, U4 and the associated circuit act as the power management unit.
2. U3 and the associated circuit act as RF Module.
3. J5 and the associated circuit act as the Gyro Unit.
4. U7, U8 and the associated circuit act as the motor driver.
5. LED1-LED8 act as indicator.
6. Y1 act as Crystal Oscillator for RF chipset.