

# Technical Description

Report No.: 16041838HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC plane operating at the frequency range of 2412-2470MHz with 2 MHz channel spacing.

The EUT is powered by 6 \* 1.5V AA batteries. 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.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 80.0dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 and the associated circuit act as RF Module.
2. SW1 to 10 and the associated circuit act as controller keys.
3. X1 and the associated circuit act as frequency oscillator.
4. J1, U3, U4, U5 and the associated circuit act as the power unit and charging unit.
5. LED1 to 7 act as indicator.