

# Technical Description

Report No.: 16061032HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC plane operating at the frequency range of 2405-2470MHz with 1 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 fly forward/backward and turn left/ right by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 99.2dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. IC1 and the associated circuit act as MCU.
2. IC2 and the associated circuit act as RF Module.
3. Y1 and the associated circuit act as frequency oscillator.
4. K1-K10 and the associated circuit act as keys.
5. J1 act as antenna.