

# Technical Description

Report No.: 17020969HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Drone Unit) for a RC drone operating at the frequency range of 2408-2472MHz with 1 MHz channel spacing.

The EUT is powered by 3.7V rechargeable battery. After switching on the EUT and being paired with drone, the drone can be controlled to fly forward/backward, upward/downward and left/ right by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 82.7dB $\mu$ 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 the RF module.
2. U5 and the associated circuit act as the charging unit.
3. Y1 acts as frequency oscillator.
4. U8 acts as the pressure sensor.
5. U11 and the associated circuit act as the power unit.
6. M1, M2, M3, M4, U18, U19 and the associated circuit act as the motor unit.