

# Technical Description

Report No.: 16020752HKG-001

The Equipment Under Test (EUT) is a 2.4GHz Transceiver (Car Unit) controlled by controller operating at the frequency range of 2410-2475MHz with 1MHz channel spacing.

The EUT is powered by 6V rechargeable battery. After turning on the EUT and paired with controller, the car 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: 72.6dB $\mu$ 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 MCU.
2. U2, U3 and the associated circuit act as Motor Driver.
3. Y2 and the associated circuit act as frequency oscillator.
4. L1, C16, R1 and the associated circuit act as the antenna.
5. K1 acts as the power switch.