

# Technical Description

Report No.: 16121198HKG-001

The Equipment Under Test (EUT) is a 2.4GHz Transceiver (Car Unit) operating at a frequency range of 2402-2480MHz with 1 MHz channel spacing.

The EUT is powered by 4\*1.5V AA batteries. After switching on the EUT and Paired with the controller, the EUT 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: 81.7dB $\mu$ 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 motor controller unit.
2. U2 and the associated circuit act as MCU.
3. U3 and the associated circuit act as the power controller unit.
4. X1 and the associated circuit act as frequency oscillator.