

# Technical Description

Report No.: 16040536HKG-001

The Equipment Under Test (EUT) is a 2.4GHz Transceiver (Car Unit) controlled by controller operating at a frequency range of 2410-2475MHz with 1MHz channel spacing. The EUT is powered by 4\*1.5V AA batteries. After switch on the EUT and paired with Car, 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: 90.5dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 and associated circuit represent 2.4GHz RF module.
2. U2 and U4 represents the motor control unit.
3. XT1 represents the 16M oscillator for U1.
4. ANT1 represent the antenna.
5. U3 and the associated circuit represents the power control unit.