

Technical Description

Report No.: 17020767HKG-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 x 1.5V AA batteries. After switching on the EUT and being 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: 92.1dB μ 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 and the associated circuit act as DC convertor.
3. Q1, U4, U5 and the associated circuit act as the motor driver.
4. X1 and the associated circuit act as the frequency oscillator.