

Technical Description

Report No.: 17020767HKG-001

The Equipment Under Test (EUT) is a 2.4GHz Transceiver (Controller Unit) of a RC car operating at a frequency range of 2410-2475MHz with 1MHz channel spacing.

The EUT is powered by 3 x 1.5V AAA batteries. After switching on the EUT and being paired with the 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: 98.9dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U3 and the associated circuit act as MCU.
2. U2 and the associated circuit act as DC convertor.
3. X1 and the associated circuit act as the frequency oscillator.