

Technical Description

Report No.: 16030910HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC car operating at the frequency range of 2408-2460MHz that contains 5 occupied channels, which are 2408MHz, 2418MHz, 2430MHz, 2442MHz and 2460MHz. The EUT is powered by 3 * 1.5V AA batteries. After switch on the EUT and paired with car, the car can be controlled to move forward and turn left/ right by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 93.1dB 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 the power control unit.
2. U2 and the associated circuit act as MCU.
3. J2 and the associated circuit act as 2.4G module.
4. Y1 act as the crystal oscillator.