

Technical Description

Report No.: 17030050HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) for a RC car operating at the frequency range of 2420.5-2460.5MHz with 1 MHz channel spacing.

The EUT is powered by 4*1.5V AA battery. After switching on the EUT and being paired with controller, 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: 80.8dB 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,U3 and the associated circuit act as motor driver.
3. Y1 and the associated circuit act as frequency oscillator.