

## Technical Description

Report No.: 17051099HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transmitter (Controller Unit) for a RC car operating at the frequency range of 2405-2475MHz with 1 MHz channel spacing.

The EUT is powered by 9.0VDC Alkaline battery. After switching on the EUT and being 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: 98.6dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 (RS14144TX) and the associated circuit act as MCU.
2. Y1 acts as 12 MHz frequency oscillator.
3. F1 – F4, B, R and L act as control keys.