

Technical Description

Report No.: 16060572HKG-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 9V battery. After switch on the EUT and 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: 90.8dB 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. IC2, K1 and the associated circuit act as power control unit.
3. S1, S2 and the associated circuit act as control button.
4. LED and R1 act as power indicator.
5. Y1 act as crystal oscillator of 12MHz