

# Technical Description

Report No.: 17050992HKG-002

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) for a RC car operating at the frequency of 2407, 2445 and 2477MHz only.

The EUT is powered by 3\*1.5V AA batteries. After switching on the EUT and being paired with the 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: 89.1dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. IC1 (SME2400M) and the associated circuit act as MCU.
2. X2 acts as 16 MHz frequency oscillator.
3. IC2 acts as power motor driver part.
4. SNC86120A acts as the power MCU part.