

Technical Description

Report No.: 17050992HKG-001

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

The EUT is powered by 2*1.5V AAA batteries. 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: 93.1dB μ 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. X1 acts as 16 MHz frequency oscillator.
3. F, B, R and L act as control keys.