

Technical Description

Report No.: 16050774HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Car Unit) operating at the frequency range of 2410-2475MHz with 1 MHz channel spacing.

The EUT is powered by 6.4V rechargeable battery. After switch on the EUT and paired with controller, the EUT 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: 76.1dB 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 & RF Module.
2. U2, U7 and the associated circuit act as DC convertor.
3. U5 and the associated circuit act as the voice processor.
4. U3, U4 and the associated circuit act as the motor driver.
5. Y2 and the associated circuit act as frequency oscillator.