

## Technical Description

Report No.: 17061010HKG-001

The Equipment Under Test (EUT) is a portable 49MHz Transmitter (Controller Unit) for a RC car.

The EUT is powered by 2\*1.5V AA battery. After switch on the EUT, the car can be controlled to move forward/backward and turn left/ right by the controller.

Antenna Type: External integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 64.3dB $\mu$ V/m at 3m

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

The brief circuit description is listed as below:

1. Q1 and the associated circuit act as Encode Portion.
2. Q2, Q3 and the associated circuit act as the modulator and amplifier.
3. X1 and the associated circuit act as frequency oscillator.