

Technical Description

Report No.: 16120179HKG-001

The Equipment Under Test (EUT) is a portable 27.145MHz Transmitter (Controller Unit) for a RC car.

The EUT is powered by 3 x 1.5V AAA batteries. After switch on the EUT, 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: 69.2dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. IC and the associated circuit act as MCU.
2. K1, K2, K3, K4 and the associated circuit act as controller keys.
3. J and the associated circuit act as frequency oscillator.
4. TAN and the associated circuit act as the antenna.
5. Q1, Q2 and the associated circuit act as the amplifier.