

Technical Description

Report No.: 17050116HKG-001

The Equipment Under Test (EUT) is a portable transmitter of a RC Car operating at 27.145 MHz as dictated by a crystal. The EUT is powered by a 9.0 V DC source (1 x 9.0V battery). The EUT has a leftward / rightward control lever and a forward / backward control lever.

After switching ON the EUT and the receiver of the RC Car, activating the control levers on the EUT can control the receiver moving forward, backward left and right directions.

Antenna Type: External integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 68.5dB 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 Encoding Circuit.
2. Q1, Q2 and the associated circuit act as Regulator & amplifier.
3. Y1 and the associated circuit act as frequency oscillator.