

Technical Description

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 4X1.5V AA batteries. The EUT has a left / right 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.

The brief circuit description is listed as below:

- 1) U1 acts as Voltage Regulator (6206).**
- 2) U3 and the associated circuit act as the MCU (IC-CX5100).**
- 3) Y1 acts as the frequency oscillator (27.145MHz).**
- 4) U2 acts as touch switch sensor (IC-TOUCH-CFC221).**

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 60.9dB μ V/m at 3m

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