

Technical Description

The Equipment Under Test (EUT), is a portable 27.14560MHz Transmitter (Controller Unit) for a RC car. The EUT is powered by 1 X 9.0V alkaline battery.

After switch on the EUT, model: 84011, 84331, the car will be moved forward or backward, turned left or right based on the joystick control in the controller.

Antenna Type: dedicated antenna

The brief circuit description is listed as below:

- 1) IC1 acts as Coding Circuit (977).
- 2) TX1 (27.145MHz) acts as a crystal for Q1.
- 3) Q1 acts as Oscillation Circuit for Q2 (C945P).
- 4) Q2 acts as RF Amplifier and modulator (C945P).
- 5) ZD1 acts as Voltage Regulator for U1, Q1 and Q2 (ZD1)

Antenna Type: dedicated antenna

Antenna Gain: 0dBi

Nominal rated field strength is 75.2 dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB