

Technical Description

The Equipment Under Test (EUT) is a portable 27MHz Transmitter (Controller Unit) for a RC car.

The EUT is powered by 2*1.5V AA battery. After switching 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: 66dB 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 MCU.
2. Q1, Q2 and the associated circuit act as the modulator and amplifier.
3. X1 and the associated circuit act as 27.145MHz frequency oscillator.