

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz pure Transmitter (Controller Unit) for a RC Car. The sample supplied operated on 75 channels, normally at 2405 - 2479MHz. The channels are separated with 1MHz spacing.

The EUT is powered by 2 x 1.5V AA batteries. After switching on the EUT, the car will be moved forward or backward and turned left and right based on the switches pressed in the controller or on the car. The motor can be disabled by pressing the button on the controller. Different sound and light will be emitted from the car by pressing the buttons on the car.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 93.3dB μ V/m at 3m (Peak), 79.5dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PAN2416) acts as MCU
2. X1 acts as 16MHz Oscillator.