

Technical Description

The Equipment Under Test (EUT) is a 2.4GHz Pure Transmitting Controller for RC Car operated at 2405-2475MHz with 1MHz Channel Spacing. The EUT is powered by 2 X 1.5V AAA batteries. After switch on the EUT and paired with RC Car, the RC Car can be controlled to move forward, backward, turn right/left by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 100.8dB μ V/m at 3m

Maximum allowed field strength of production tolerance: 98.0 – 101.0 dB μ V/m at 3m

The brief circuit description is listed as follows:

1. U1 acts as 2.4GHz RF portion
2. Y1 acts as 12MHz Oscillator
3. C2, L1 and corresponding components act as Antenna matching circuit
4. L/R/F/B/ID act as control button