

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 44 channels, normally at 2420 - 2463MHz. The channels are separated with 1MHz spacing.

The EUT is powered by 2 x 1.5V AAA 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.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 82.9dB μ V/m at 3m (Peak), 60.3dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U7 (SOP16) acts as 2.4GHz RF MCU
2. 16MHz Oscillator acts as RF MCU
3. C11 and C12 act as antenna matching circuit
4. Key1 – Key5 act as key buttons