

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 3 channels, normally at 2405MHz, 2452MHz and 2472MHz.

The EUT is powered by 2 x 1.5V AA batteries. After switching on the EUT, the car will move and emit sound and light based on the switches pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 78.4dB μ V/m at 3m (Peak), 55.6dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (TH8812P) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C3, L1 and C4 act as antenna matching circuit