

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car 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 4 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.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 68.1dB $\mu$ V/m at 3m (Peak), 48.8dB $\mu$ 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. C26 and C27 act as antenna matching circuit
4. U2 and U3 act as Motor Driver
5. U10 acts as MCU