

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The sample supplied operated on 52 channels, normally at 2414 - 2465MHz. The channels are separated with 1MHz spacing.

The EUT is powered by 1 x 6.4V Rechargeable battery. 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 95.1dB μ V/m at 3m (Peak), 68.5dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U11 (BL2402NE) acts as MCU
2. Y1 acts as 12MHz Oscillator
3. L2 acts as antenna matching circuit
4. U1 (ABE02C2) acts as voltage regulator
5. U6 and U7 act as motor driving circuit.