Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC car. The sample supplied operated on 46 channels, normally at 2420 - 2465MHz. The channels are separated with 1MHz channel spacing.

The EUT is powered by 2 x 1.5V AAA batteries. After switch on the EUT, the car will be moving forward or backward and turning left or right based on the switches pressed onthe controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 97.2dBµV/m at 3m (Peak), 78.4dBµV/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

- 1. U1 (XLPG262-SOP16) acts as MCU
- 2. Y1 acts as 12MHz Oscillator
- 3. C3 act as antenna matching circuit