Technical Description

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

Antenna Type: Internal, Integral antenna Antenna Gain: 0dBi Nominal rated field strength is 92.3dBμV/m at 3m (Peak), 68.6dBμV/m at 3m (Average) Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

- 1. U1 (BL2402E) acts as MCU
- 2. Y1 acts as 12MHz Oscillator
- 3. C1 and L1 act as antenna matching circuit
- 4. U3 (AM2849) acts as Motor circuit
- 5. U4 (AM2837) acts as Rudder circuit