

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The sample supplied operated on 15 channels, normally at 2422 - 2467MHz. The channels are shown in table below.

<b>2422</b>	<b>2424</b>	<b>2426</b>	<b>2430</b>	<b>2433</b>	<b>2436</b>
<b>2438</b>	<b>2441</b>	<b>2444</b>	<b>2447</b>	<b>2454</b>	<b>2459</b>
<b>2462</b>	<b>2464</b>	<b>2467</b>			

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 101.7dB $\mu$ V/m at 3m (Peak), 78.4dB $\mu$ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U2 (PAN2025) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C7 and L1 act as antenna matching circuit
4. U4, U5 and U8 (MX530) act as Motor circuits
5. J1 acts as USB circuit
6. U1 acts as Voltage regulator circuit