

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller 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 101.1dB $\mu$ V/m at 3m (Peak), 85.3dB $\mu$ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (SOC\_FC298TX) acts as RF Module
2. Y1 acts as 12MHz Oscillator
3. C3 and L1 act as antenna matching circuit