

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.

2422	2424	2426	2430	2433	2436
2438	2441	2444	2447	2454	2459
2462	2464	2467			

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

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

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PAN2416AV) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. L1 and C3 act as antenna matching circuit