

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The sample supplied operated on 22 channels, normally at 2411 - 2472MHz. The channels are shown in below table.

2411	2413	2420	2422	2424	2426
2428	2432	2435	2437	2439	2441
2443	2445	2451	2453	2455	2457
2461	2468	2470	2472		

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 100.8dB μ V/m at 3m (Peak), 64.1dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (LC1218) acts as Voltage regulator
2. U4 (2460A) acts as RF Module.
3. Y1 acts as 16MHz Oscillator
4. C1, C4 and L1 act as antenna matching circuit
5. J4 and J6 act as Motor Circuits.
6. J8 acts as Speaker circuit.