

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller 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 102.0dB μ V/m at 3m (Peak), 64.3dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (2460B) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C1, C4 and L1 act as antenna matching circuit