

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Dog Unit) for a RC Dog. The sample supplied operated on 27 channels, normally at 2407 - 2475MHz. The channels are shown in below table.

2407	2409	2411	2413	2415	2417	2419	2421	2423
2431	2433	2435	2437	2439	2441	2443	2445	2447
2459	2461	2463	2465	2467	2469	2471	2473	2475

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 86.5dB μ V/m at 3m (Peak), 68.0dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 acts as 2.4GHz Module
2. U1 (SOP16) acts as PCB Adapter
3. U2 acts as MCU
4. Y1 acts as 16MHz Oscillator
5. C2 and C4 act as antenna matching circuit
6. U5 & U6 (TDM001) act as Motor circuits