

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC Skateboard. The sample supplied operated on 4 channels, normally at 2405 - 2476MHz. The channels are shown in below table.

2405	2424	2451	2476
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The EUT is powered by 2 x 1.5V AAA batteries. After switching on the EUT, the skateboard will be moved forward or backward and turned left and right based on the switches pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 68.7dB μ V/m at 3m (Peak), 61.8dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (TL8373DEE) acts as MCU
2. X1 acts as 24MHz Oscillator
3. C2, C3 and C4 act as antenna matching circuit.