

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC bug. The sample supplied operated on 66 channels, normally at 2410 MHz to 2475 MHz. The channels are separated with 1 MHz.

The EUT is powered by 2 x 1.5V AAA batteries. After switching on the EUT, the bug will move based on the switches pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 90.8 dB μ V/m at 3m (Peak), 69.5dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (HJD1084A) acts as MCU
2. Y1 acts as 24MHz Oscillator
3. C5, L1 and C6 act as antenna matching circuit