

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC spider. The sample supplied operated on 71 channels, normally at 2405 – 2475MHz. The channels are separated with 1MHz spacing.

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

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 80.4dB μ V/m at 3m (Peak), 75.2dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (HJD84) acts as MCU
2. Y1 acts as 24MHz Oscillator
3. L1, C3 and L2 act as antenna matching circuit