

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC Crane. 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 AA batteries. After switching on the EUT, the crane emits light and sound and its motors will rotate in different directions based on the switches pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 94.2dB μ V/m at 3m (Peak), 74.1dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (HJD84A) acts as MCU
2. Y1 acts as 24MHz Oscillator
3. C2, L1 and L2 act as antenna matching circuit