

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Pillbug Unit) for a RC controller. The sample supplied operated on 71 channels, normally at 2405 - 2475MHz with 1MHz channel spacing

The EUT is powered by 1 x 3.7V Lithium Polymer 803450 battery. After switching on the controller, the EUT will move in different directions or roll its body based on the switches pressed in the controller.

2.4GHz RF portion

Antenna Type: Internal, Integral

Antenna Gain: 0 dBi

Operating mode	Range of Peak Conducted Power	Modulation
2.4GHz	-15 dBm to 0dBm	GFSK

The main components are described below:

2.4G portion

1. U1 YC1062 is 2.4GHz RF radio core
2. 24MHz crystal (Y1) is operating clock for YC1062

Motor portion

1. U4, U5, U6 are motor driver IC