

Technical Description

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

The EUT is powered by 2 x 1.5V AAA batteries. After switching on the EUT, the pill bug will move in different directions or roll its body based on the switches pressed in the EUT.

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 AT8B62D is 2.4GHz RF radio core
2. 24MHz crystal (Y1) is operating clock for AT8B62D