

Technical Description

The Equipment Under Test (EUT) is the Baby Swinger which include speaker for audio playing and motor for Swinging. The EUT is a “Bluetooth 5” device which operates at frequency range between 2402MHz and 2480MHz. The EUT support 79 channels within the frequency range. The EUT is powered by adaptor Model: KA0601A-05010000USU (Input: 100-240VAC 0.2A 50/60Hz Output: 5VDC 1000mA). This “Bluetooth 5” device that without support BLE.

2.4GHz Bluetooth portion:

Modulation Type: GFSK

Antenna Type: Integral, Internal

Antenna gain: -0.58dBi

Peak conducted RF power range: -15 to 2 dBm

Frequency Range: 2402MHz - 2480MHz

The main components are described as below:

1. AB5325A is 2.4GHz Bluetooth RF core with microcontroller
2. 26MHz crystal is master clock for AB5325A
3. 51F30 and 1650 are MCU for Light and Swing function