

Applicant: Syntek Semiconductor Co., Ltd.

FCC ID: V83BLUEW-2310MI

Operation Description

Bluetooth: The EUT is a Wireless Bluetooth module with built-in 2.4GHz Bluetooth Ver.2.0+EDR transmitter. The number of the channels is 79 in 2402-2480MHz. The device adapts the frequency hopping spread spectrum modulation. This device provides wireless technology that revolutionizes personal connectivity. It is the solution for the seamless integration of Bluetooth technology into personal computer enabling short-range wireless connections between desktop/laptop computers, Bluetooth-enabled peripherals, and portable handheld devices.

Wi-Fi: The EUT is a Wireless Wi-Fi module with 11 channels. This device provides four kinds of transmitting speed 1, 2, 5.5 and 11Mbps, the modulation of device is BPSK, QPSK and CCK (IEEE 802.11b) and eight kinds of transmitting speed 6, 9, 12, 18, 24, 36, 48 and 54Mbps are provided, the technology of this device used is OFDM (IEEE 802.11g). The device adapts direct sequence spread spectrum modulation. This Wireless Wi-Fi module, compliant with IEEE 802.11b and IEEE 802.11g, is a high-efficiency Wireless LAN adapter. It allows your computer to connect to a wireless network and to share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) radio transmission, the Wireless Wi-Fi module Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b and IEEE 802.11g network.

Device is equipped with unique antenna connector. Common grounding on PCB is not connected to real external ground. Power supply of the whole circuit comes from a 3.3 volt.