



Operational Description

The EUT (Motion Computing LE1600 (with IEEE 802.11a/b/g miniPCI WLAN)) includes two transmission functions which are WLAN and Bluetooth.

DSSS Information:

The transmitter of the EUT (Motion Computing LE1600 (with IEEE 802.11a/b/g miniPCI WLAN)) is powered by host equipment. The antenna types used in this product is Patch antenna with UFL antenna connector.

This device is a Motion Computing LE1600 (with IEEE 802.11a/b/g miniPCI WLAN), the maximum data rate could be 108Mbps.

For more detailed instruction, please take a look at the user's manual.

FCC 15.407(c) states: The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met"

Data transmission is always initiated by software, which is then pass down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets (ACKs, CTS, PSPoll, etc...) are initiated by the MAC. There are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets are being transmitted.

FHSS Information:

The transmitter of the EUT (Motion Computing LE1600 (with IEEE 802.11a/b/g miniPCI WLAN)) is powered by host equipment. The antenna is Integrated Printed antenna without connector.

This device is a Frequency Hopping device with 79 hopping frequencies.

For more detailed instruction, please take a look at the user's manual.

Note: The bluetooth and WLAN functions can transmit simultaneously.