Technical Description

This device is a Multimode 5GHz Wireless Router, the maximum data rate could be up to 54Mbps. It operated in the 5.15 to 5.35 GHz frequency band.

This device also provides expansion slot to exclusively operate with a D-Link AirPlus DWL-650+ cardbus adapter(FCC ID:O7J-GL242201), this 2.4GHz cardbus adapter can be operated simultaneously with the internal 5 GHz transmitter, and the total MPE of these combination is shorter than 20 cm.

The transmitter of the EUT is powered by host equipment. The antenna used in this product is Dipole without antenna connector. Under normal use condition, the user has to keep at least 20cm separation distance between radiator and the body of the user.

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 hoe 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.