

NORTHWEST EMC, INC.
22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124

September 10, 2007

Dear Application Examiner:

On behalf of Welch Allyn, Inc., Northwest EMC, Inc is submitting this application for the original certification of the Welch Allyn 802.11a Wireless PC Card. Welch Allyn is seeking limited modular approval of the radio in a portable RF exposure configuration inside of the applicant's Micropaq™ patient monitoring system. The 802.11a radio card's FCC ID is PGUWA11A07. It operates in the 5150 – 5250 MHz, 5250 – 5350MHz, and 5470 – 5725 MHz band as a 15.407 UNII radio. It also operates in the 5745 – 5825MHz band as a 15.247 DTS transceiver. The radio operates at 6Mbps only.

The radio is DFS compliant as a client-only device with no radar detection capability. It is not capable of ad-hoc connection either.

The radio utilizes one PIFA. This configuration satisfies the requirements of 47 CFR 15.203.

The technical reports and exhibits demonstrate compliance with FCC rules 47 CFR 15.247 and 15.407. Please note, the Welch Allyn 802.11a Wireless PC Card is referred by several different part numbers and names throughout the exhibits. These part numbers and names are internal to Welch Allyn and were used through the design process. The final model name is Welch Allyn 802.11a Wireless PC Card.

Also, several of the exhibits refer to the 2.4GHz band as well as the 5GHz band. Although the radio is an a/b/g chipset, Welch Allyn's design only enables the "a" radio capabilities. Because the radio is not an OEM product, it will only be installed internally to Welch Allyn products, so there is no possibility that it could be used in a normal PC laptop. The connector is not compatible with a PC laptop connector. Although it could be plugged in, it would not function. Thus, there is no way of utilizing the 2.4GHz band.

Your efforts in reviewing this application are greatly appreciated.

Best regards,

Northwest EMC, Inc.