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18 PRODUCT DESCRIPTION

The model SWL-1105 (referred to as the EUT in this report) is a Direct Sequence Spread Spectrum wireless LAN, PCI network card. The EUT provides wireless communications between computers. The EUT is designed to be installed into the PCI slot of a notebook computer or desktop computer with a PCI slot. The EUT communicates with other wireless LAN cards using the frequency range from 2.412 GHz to 2.471 GHz. The EUT is powered from the PCI slot, and does not have an external power supply. The EUT uses an external antenna. The EUT uses 2-bits encoded to 4 complex code words; 2-DQPSK CCK modulation technique with 8 Chips per symbol, spread clock rate is 1.375 MHz symbol/sec, and the data rate = 11 MBPS.