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APPENDIX A: PRODUCT DESCRIPTION

The model SWL-2100U (referred to as the EUT in this report) is a Direct Sequence Spread Spectrum wireless LAN, USB network card. The EUT provides wireless communications between computers. The EUT is designed to be installed into the USB slot of a notebook computer or desktop computer with a USB slot. The EUT communicates with other wireless LAN cards using the frequency range from 2.413 GHz to 2.463 GHz. The EUT is powered from the USB 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.