

## RF Exposure / MPE Calculation

**No. : 31JE0038-HO-05**

<b>Applicant</b>	:	silex technology, Inc.
<b>Type of Equipment</b>	:	Wireless LAN PCI Express Mini Card Module (11b/g, 11n-20(2.4GHz/5745-5825MHz), 11n-40(2.4GHz/5755-5795MHz), 11a(5745-5825MHz))
<b>Model No.</b>	:	SX-PCEAN
<b>FCC ID</b>	:	N6C-SXPCEAN
<b>IC Number</b>	:	4908B-SXPCEAN

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silex technology, Inc. declares that Model : SX-PCEAN  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "SX-PCEAN" as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

<b>P =</b>	<b>345.57 mW (Maximum peak output power)</b>	
<b>G =</b>	<b>2.70 Numerical Antenna gain; equal to</b>	<b>4.31 dBi</b>
<b>r =</b>	<b>20.0 cm</b>	

**For: SX-PCEAN**

$$S = 0.18547 \text{ mW/cm}^2$$

\*This EUT is modification model of antenna.

Refer to the original test report No: 31JE0038-HO-01-A (issued by UL Japan, Inc.) for the value of P.

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