RF Exposure / MPE Calculation
No. : 31JE0038-HO-01

Applicant	**:**	**silex technology, Inc.**
Type of Equipment :		**Wireless LAN PCI Express Mini Card Module (11n-20(5180 - 5320MHz), 11n-40(5190 - 5310MHz), 11a(5180 - 5320MHz))**
Model No.	**:**	**SX-PCEAN**
FCC ID	**:**	**N6C-SXPCEAN**
IC Number	**:**	**4908B-SXPCEAN**

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^2 uncontrolled
exposure limit. The Friis formula used was:

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

Where

$P =$ **26.61 mW (Maximum peak output power)**

$G =$ **3.24 Numerical Antenna gain; equal** **5.11 dBi (including Correlated Gain)**

$r =$ **20.0 cm**

For: SX-PCEAN $\quad\quad\quad\quad S =$ **0.01717 mW/cm^2**