

RF Exposure / MPE Calculation

No. : 31JE0038-HO-05

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/cm² 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 = 2.35 Numerical Antenna gain; equal 3.71 dBi
r = 20.0 cm

For: SX-PCEAN

$$S = 0.01244 \text{ mW/cm}^2$$

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