

RF Exposure / MPE Calculation

No. : 28IE0116-HO-02

Applicant	:	silex technology, Inc.
Type of Equipment	:	MiniPCI Wireless LAN Board (11b/11g/11a Upper Band)
Model No.	:	SX-10WAN
FCC ID	:	N6C-SX10WAN
IC Number	:	4908B-SX10WAN

silex technology, Inc. declares that Model : SX-10WAN
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-10WAN" 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 =	459.98 mW (Maximum peak output power)	
G =	1.41 Numerical Antenna gain; equal	1.50 dBi
r =	20.0 cm	

For: SX-10WAN

$$S = 0.12926 \text{ mW/cm}^2$$

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