

RF Exposure Statement

No. : 26GE0351-HO

Applicant : silex technology, Inc.
Type of Equipment : MiniPCI Wireless LAN Board
Model No. : SX-10WAG (2.4GHz-Band, IEEE802.11b, g)
FCC ID : N6C-SX10WAG

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “SX-10WAG (2.4GHz-Band, IEEE802.11b, g)“ 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 = 44.16 mW (Maximum peak output power)
G = 1.41 Numerical Antenna gain; equal 1.50 dBi
r = 20.0 cm

For: SX-10WAG (2.4GHz-Band, IEEE802.11b, g) S = 0.01241 mW/cm²

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