

RF Exposure / MPE Calculation

No. : 32IE0158-HO-01

Applicant	:	IBA Dosimetry GmbH
Type of Equipment	:	Wireless 11abg Adapter (11b/11g only)
Model No.	:	SX-10WAG-IT
FCC ID	:	ZY5-SX10WAGIT
IC Number	:	9889A-SX10WAGIT

IBA Dosimetry GmbH declares that Model : SX-10WAG-IT
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-10WAG-IT" 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 =	166.34 mW (Maximum peak output power)	
G =	1.52 Numerical Antenna gain; equal to	1.81 dBi
r =	20.0 cm	

For: SX-10WAG-IT

$$S = 0.05020 \text{ mW/cm}^2$$

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124