

RF Exposure Statement

No. : 22DE0015-YW-1

Applicant : Sony Corporation
Type of Equipment : Wireless LAN builtin Personal Computer
Model No. : PCG-441L
FCC ID : AK8PCG441L

FCC Radiation Exposure Statement:

Sony Corporation Model : PCG-441L complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

Notice in Installation Manual

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should installed and operated with minimum distance 20cm between the radiator and your body(excluding extremities : hands, wrists, and feet).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "PCG-441L" as calculated from FCC OET 65 Appendix B, 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 1.0m W/cm² uncontrolled exposure limit. The Fires formula used was:

$$S = (P * G) / (4 * \pi * r^2) \quad \text{or} \quad r = \sqrt{(P * G) / (4 * \pi * S)}$$

Where S = 1.0 mW/cm² for 2400 MHz

P = 29.5 mW (Maximum Conducted Power)

G = 1.64(Half wave dipole antenna gain : Converted absolute value)

r = Minimum safe distance from antenna (cm)

For: PCG-441L r = 2.0 cm

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