

RF Exposure Statement

No. : 22FE0052-YW-2

Applicant : SONY Corporation
Type of Equipment : Wireless LAN PC Card
Model No. : PCWA-C150S
FCC ID : AK8PCWAC150S

FCC Radiation Exposure Statement:

SONY Corporation Model : PCWA-C150S complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

Notice in Installation Manual

CAUTION STATEMENT

To comply with the FCC RF exposure compliance requirements, a separation distance of at least 2.5 cm must be maintained between the antenna of this device and all persons. This card may be used in portable or mobile devices such as laptops or handheld PDA's. The device should not operate in a body worn device or configuration.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "PCWA-C150S" 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 = 30.9mW (Maximum Conducted Power)

G = 0.44(Isotropic antenna gain : Converted absolute value)

r = Minimum safe distance from antenna (cm)

For: PCWA-C150S r = 1.04cm

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