

# RF Exposure Statement

**No. : 22GE0004-YW-1**

**Applicant** : SONY Corporation  
**Type of Equipment** : Notebook Personal Computer  
**Model No.** : PCG-9D1R  
**FCC ID** : AK8PCG9D1R

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## **FCC Radiation Exposure Statement:**

SONY Corporation Model : PCG-9D1R complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

## **Notice in Installation Manual**

### **CAUTION**

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

This equipment should be installed and operated with minimum distance 20cm between the radiator and body (excluding extremities: hands, wrists and feet) and must not be co-located or operated with any antenna or transmitter.

## **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "PCG-9D1R" 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/cm<sup>2</sup> uncontrolled exposure limit. The Fires formula used was:

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

Where **S = 1.0 mW/cm<sup>2</sup> for 2400 MHz**

**P = 8.9mW (Maximum Conducted Power)**

**G = 1.64(Half wavelength antenna gain : Converted absolute value)**

**r = Minimum safe distance from antenna (cm)**

**For: PCG-9D1R                      r = 1.1cm**

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