

RF Exposure / SAR Statement

No. : 24GE0260-YK-1

Applicant : Sony Corporation
Type of Equipment : Notebook Personal Computer
Model No. : PCG-6C1L
FCC ID : AK8PCG6C1L

Sony Corporation declares that Model : Notebook Personal Computer complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "PCG-6C1L" has 47.64 mW of conducted Peak Output power and 27.1 mW of EIRP. This kind of equipment is below 60/frequency[MHz] W(TCB Exclusion List) so that SAR testing is excluded. Following calculation is reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "PCG-6C1L" 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 = 47.64 mW (Maximum peak output power)
G = 0.57 Numerical Antenna gain; equal -2.5 dBi
r = 20.0 cm

For: PCG-6C1L

$$S = 0.00539 \text{ mW/cm}^2$$

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