

RF Exposure / MPE Calculation

No. : 31IE0068-HO-01-A

Applicant : Sony Computer Entertainment, Inc.
Type of Equipment : PSP
Model No. : PSP-3001 E
FCC ID : AK8PSP3001E

Sony Computer Entertainment, Inc. declares that Model : PSP-3001 E complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The "PSP-3001 E" has 14.89 mW of conducted Peak Output power and 10.54 mW of EIRP. This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List) so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "PSP-3001 E" 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 = 14.89 mW (Maximum peak output power)
G = 0.71 Numerical Antenna gain; equal to -1.50 dBi
r = 20.0 cm

For: PSP-3001 E

$$S = 0.00210 \text{ mW/cm}^2$$

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