

RF Exposure / MPE Calculation

No. : 29HE0053-HO-01

Applicant	:	Sony Computer Entertainment Inc.
Type of Equipment	:	Handheld Entertainment System (Bluetooth Part)
Model No.	:	PSP-N1001
FCC ID	:	AK8PN1001A1
IC Number	:	409B-PN1001A1

Sony Computer Entertainment Inc. declares that Model : PSP-N1001
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The “PSP-N1001” has 1.79 mW of conducted Peak Output power and 1.16 mW of EIRP.
This kind of equipment is below 60/frequency[GHz] mW
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-N1001” 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 =	1.79 mW (Maximum peak output power)	
G =	0.65 Numerical Antenna gain; equal to	-1.90 dBi
r =	20.0 cm	

For: PSP-N1001

$$S = 0.00023 \text{ mW/cm}^2$$

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