

RF Exposure / MPE Calculation

No. : 32GE0144-HO-01

Applicant : Sony Computer Entertainment Inc.
Type of Equipment : Computer Entertainment System
Model No. : CECH-4001x (Bluetooth part)
FCC ID : AK8CBEH19C1

Sony Computer Entertainment Inc. declares that Model : CECH-4001x (Bluetooth part) complies with FCC radiation exposure requirement specified in the FCC Rule 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "CECH-4001x (Bluetooth part)" 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 = 1.67 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal to 3.00 dBi
r = 20.0 cm

For: CECH-4001x (Bluetooth part)

$$S = 0.00066 \text{ mW/cm}^2$$

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