

## 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** : AK8CBEH19Z1

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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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

**P = 1.59 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)

$$S = 0.00063 \text{ mW/cm}^2$$

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