

## **RF Exposure / SAR Statement**

**No. : 10085484S-A**

**Applicant** : **Sony Corporation**  
**Type of Equipment** : **Bluetooth Audio System**  
**Model No.** : **MEX-N4000BT**  
**FCC ID** : **AK8MEXN4000BT**

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Sony Corporation declares that Model : Bluetooth Audio System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "MEX-N4000BT" as calculated from FCC Part 1, §1.1310, TABLE 1 (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 = 1.09 mW (Maximum peak output power)**  
**G = 1.24 Numerical Antenna gain; equal to 0.93 dBi**  
**r = 20.0 cm**

**For: MEX-N4000BT**

**S = 0.00027 mW/cm<sup>2</sup>**

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