

RF Exposure / SAR Statement
No. : 10488736S-A

Applicant : **Sony Corporation**
Type of Equipment : **Bluetooth Audio System**
Model No. : **MEX-N5100BT**
FCC ID : **AK8MEXN5100BT**

Sony Corporation declares that Model : MEX-N5100BT 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-N5100BT" 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/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 3.00 mW (Maximum average output power with tolerance) *1)
G = 1.24 Numerical Antenna gain; equal to 0.93 dBi
r = 20.0 cm

For: MEX-N5100BT

$$S = 0.00074 \text{ mW/cm}^2$$

*1) The value is based on the specification provided by the customer.