

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.

UL Kashima, Inc.

1614, Mushihata, Katori-shi, Chiba-ken, 289-0341 Japan

Telephone: +81-478-82-0963

Facsimile: +81-478-82-3373