RF Exposure / SAR Statement

No. : 31IE0189-SH-01-A

Applicant	:	**Sony Corporation**
Type of Equipment	:	**Bluetooth Module**
Model No.	:	**A-1833-832-A**
FCC ID	:	**AK8A1833832**

Sony Corporation declares that Model : Bluetooth Module
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.
The "A-1833-832-A" has 1.43 mW of conducted Peak Output power and 2.37 mW of EIRP.
This equipment is considered as a mobile device so that SAR testing is excluded.
The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "A-1833-832-A" 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^2 uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 1.43 mW (Maximum peak output power)
G = 1.66 Numerical Antenna gain; equal 2.20 dBi
r = 20.0 cm

For: A-1833-832-A **S = 0.00047 mW/cm^2**

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