

RF Exposure / SAR Statement

No. : 31LE0283-SH-01-A

	Applicant	:	Sony Corporation
	Type of Equipment	:	Bluetooth Audio System
	Model No.	:	MEX-BT4000P
	FCC ID	:	AK8MEXBT4000

Sony Corporation declares that Model : Bluetooth Audio System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "MEX-BT4000P" has 1.57 mW of conducted Peak Output power and 0.95 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 "MEX-BT4000P" 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/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P =	1.57	mW (Maximum peak output power)	
G =	0.60	Numerical Antenna gain; equal to	-2.20 dBi
r =	20.0	cm	

For: MEX-BT4000P **S = 0.00019 mW/cm²**

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