

RF Exposure / MPE Calculation

No. : 27EE0138-HO

Applicant : Sony Corporation
Type of Equipment : Bluetooth Audio System
Model No. : MEX-BT2500
FCC ID : AK8MEXBT2500

Sony Corporation declares that Model : MEX-BT2500 complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "MEX-BT2500" 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 = 0.91 mW (Maximum peak output power)
G = 0.89 Numerical Antenna gain; equal -0.50 dBi
r = 20.0 cm

For: MEX-BT2500

$$S = 0.00016 \text{ mW/cm}^2$$

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