

RF Exposure / SAR Statement

No. : 31DE0280-SH-01-B

Applicant : **Sony Corporation**
Type of Equipment : **Wireless Stereo headphones**
Model No. : **MDR-RF6500**
FCC ID : **AK8MDRRF6500**

Sony Corporation declares that Model : Wireless Stereo headphones complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "MDR-RF6500" has 6.64 mW of conducted Peak Output power and 0.78 mW of EIRP. This kind of equipment is below 60/frequency[MHz] W (TCB Exclusion List) 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 "MDR-RF6500" 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 = 6.64 mW (Maximum peak output power)
G = 0.12 Numerical Antenna gain; equal -9.28 dBi
r = 20.0 cm

For: MDR-RF6500

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

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