

RF Exposure / MPE Calculation

No. : 27EE0057-HO

Applicant : Sony Corporation
Type of Equipment : Compact Disc Receiver
Model No. : HCD-BX5BT
FCC ID : AK8HCDBX5BT

Sony Corporation declares that Model : HCD-BX5BT 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 "HCD-BX5BT" 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 = 1.00 mW (Maximum peak output power)
G = 2.09 Numerical Antenna gain; equal 3.20 dBi
r = 20.0 cm

For: HCD-BX5BT

$$S = 0.00042 \text{ mW/cm}^2$$

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