

RF Exposure / SAR Statement

No. : 33AE0185-SH-02-A

Applicant : PIONEER CORPORATION
Type of Equipment : DVD RDS AV RECEIVER
Model No. : AVH-X8500BHS
FCC ID : AJDK059

PIONEER CORPORATION declares that Model : DVD RDS AV RECEIVER complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "AVH-X8500BHS" has 0.69 mW of conducted Peak Output power and 0.1 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 "AVH-X8500BHS" 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 = 0.69 mW (Maximum peak output power)
G = 0.15 Numerical Antenna gain; equal -8.20 dBi
r = 20.0 cm

For: AVH-X8500BHS

$$S = 0.00002 \text{ mW/cm}^2$$

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