

## **RF Exposure / SAR Statement**

**No. : 32DE0001-SH-01-A**

**Applicant : PIONEER CORPORATION**  
**Type of Equipment : DVD RDS AV RECEIVER**  
**Model No. : AVH-P8400BH**  
**FCC ID : AJDK048**

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PIONEER CORPORATION declares that Model : DVD RDS AV RECEIVER complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "AVH-P8400BH" has 1.54 mW of conducted Peak Output power and 0.23 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-P8400BH" as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Unc Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

Where

**P = 1.54 mW (Maximum peak output power)**  
**G = 0.15 Numerical Antenna gain; equal -8.20 dBi**  
**r = 20.0 cm**

**For: AVH-P8400BH**

$$S = 0.00005 \text{ mW/cm}^2$$

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