

## **RF Exposure / SAR Statement**

**No. : 28GE0180-YK-01-A**

**Applicant :** Pioneer Corporation  
**Type of Equipment :** Flash Memory Multi-Media AVN Navigation Server System  
**Model No. :** AVIC-F900BT  
**FCC ID :** AJDK020

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Pioneer Corporation declares that Model : Flash Memory Multi-Media AVN Navigation Server System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

The "AVIC-F900BT" has 1.04 mW of conducted Peak Output power and 1.64 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 "AVIC-F900BT" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

Where

**P = 1.04 mW (Maximum peak output power)**  
**G = 1.58 Numerical Antenna gain; equal 2.00 dBi**  
**r = 20.0 cm**

**For: AVIC-F900BT**

$$S = 0.00033 \text{ mW/cm}^2$$

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