

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

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/cm² 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 mW/cm²

UL Japan, Inc.

YAMAKITA EMC LAB.

907 Kawanishi, Yamakita-machi, Ashigarakami-gun, Kanagawa-ken, 258-0124 JAPAN

Telephone: +81 465 77 1011 Facsimile: +81 465 77 2112