

RF Exposure / SAR Statement

No. : 29KE0233-YK-01-A

Applicant : Sony EMCS Corporation Kisarazu TEC
Type of Equipment : AV Center
Model No. : XAV-70BT
FCC ID : AK8XAV70BT

Sony EMCS Corporation Kisarazu TEC declares that Model : AV Center complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "XAV-70BT" has 1.44 mW of conducted Peak Output power and 0.38 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 "XAV-70BT" 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 = 1.44 mW (Maximum peak output power)
G = 0.26 Numerical Antenna gain; equal -5.80 dBi
r = 20.0 cm

For: XAV-70BT

$$S = 0.00008 \text{ mW/cm}^2$$

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