

RF Exposure / SAR Statement

No. : 31BE0231-SH-02-A

Applicant : Sony EMCS Corporation Kisarazu TEC
Type of Equipment : AV Center
Model No. : XAV-72BT
FCC ID : AK8XAV72BT

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-72BT" has 1.24 mW of conducted Peak Output power and 0.33 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-72BT" 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 = 1.24 mW (Maximum peak output power)
G = 0.26 Numerical Antenna gain; equal -5.80 dBi
r = 20.0 cm

For: XAV-72BT

$$S = 0.00006 \text{ mW/cm}^2$$

UL Japan, Inc.

Shonan EMC Lab.

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401