

RF Exposure / SAR Statement

No. : 30JE0058-YK-01-A

Applicant : Sony EMCS Corporation Kisarazu TEC
Type of Equipment : AV Navigation
Model No. : XNV-770BT
FCC ID : AK8XNV770BT

Sony EMCS Corporation Kisarazu TEC declares that Model : AV Navigation complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "XNV-770BT" has 1.59 mW of conducted Peak Output power and 0.42 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 "XNV-770BT" 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 = 1.59 mW (Maximum peak output power)
G = 0.26 Numerical Antenna gain; equal -5.80 dBi
r = 20.0 cm

For: XNV-770BT

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

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