

RF Exposure / SAR Statement

No. : 30HE0222-YK-01-A

Applicant : Sony EMCS Corporation Kisarazu TEC
Type of Equipment : FM/AM Digital Media Player
Model No. : DSX-S300BTX
FCC ID : AK8DSXS300BT

Sony EMCS Corporation Kisarazu TEC declares that Model : FM/AM Digital Media Player complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "DSX-S300BTX" has 1.67 mW of conducted Peak Output power and 0.86 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 "DSX-S300BTX" 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 = 1.67 mW (Maximum peak output power)
G = 0.51 Numerical Antenna gain; equal -2.90 dBi
r = 20.0 cm

For: DSX-S300BTX

$$S = 0.00017 \text{ mW/cm}^2$$

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