

RF Exposure / SAR Statement

No. : 10007368S-A

Applicant : Sony Corporation
Type of Equipment : Personal Audio System
Model No. : ICF-CS20BT
FCC ID : AK8ICFCS20BT

Sony Corporation declares that Model : Personal Audio System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "ICF-CS20BT" has 1.87 mW of conducted Peak Output power and 2.99 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 "ICF-CS20BT" 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 = 1.87 mW (Maximum peak output power)
G = 1.60 Numerical Antenna gain; equal 2.03 dBi
r = 20.0 cm

For: ICF-CS20BT

$$S = 0.00060 \text{ mW/cm}^2$$

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