

RF Exposure Statement

No. : AF07023-A

Applicant : Sony Corporation
Type of Equipment : Wireless LAN Module
Model No. : CAWM-001
FCC ID : AK814798212X

Sony Corporation declares that Model : Wireless LAN Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "CAWM-001" has 134.59 mW of conducted Peak Output power and 146.55 mW of EIRP. This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List) 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 "CAWM-001" 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 = 134.59 mW (Maximum peak output power)
G = 1.09 Numerical Antenna gain; equal 0.37 dBi
r = 20.0 cm

For: CAWM-001

$$S = 0.02916 \text{ mW/cm}^2$$