

RF Exposure / MPE Calculation

No. : 29DE0085-HO-01

Applicant : Sony Computer Entertainment Inc.
Type of Equipment : Reference Tool for PLAYSTATION®3(WLAN Part)
Model No. : DECR-1400A
FCC ID : AK8DECR1400A
IC Number : 409B-DECR1400A

Sony Computer Entertainment Inc. declares that Model : DECR-1400A complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The “DECR-1400A “ has 111.43 mW of conducted Peak Output power and 213.8 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 “DECR-1400A “ 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 = 111.43 mW (Maximum peak output power)
G = 1.92 Numerical Antenna gain; equal to 2.83 dBi
r = 20.0 cm

For: DECR-1400A

$$S = 0.04253 \text{ mW/cm}^2$$

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