

RF Exposure / SAR Statement

No. : 32DE0237-SH-01-A

Applicant : Sony Energy Devices Corporation
Type of Equipment : Energy Storage System
Model No. : IJ1001SNBT
FCC ID : AK8IJ1001SNBT

Sony Energy Devices Corporation declares that Model : Energy Storage System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "IJ1001SNBT" has 184.08 mW of conducted Peak Output power and 146.22 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 "IJ1001SNBT" 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 = 184.08 mW (Maximum peak output power)
G = 0.79 Numerical Antenna gain; equal -1.00 dBi
r = 20.0 cm

For: IJ1001SNBT

$$S = 0.02909 \text{ mW/cm}^2$$

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