

## RF Exposure / SAR Statement

**No. : 31JE0261-SH-01-A**

**Applicant** : Sony Corporation  
**Type of Equipment** : TransferJet module  
**Model No.** : CXN5100  
**FCC ID** : AK8CXN5100

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Sony Corporation declares that Model : TransferJet module

complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093.

The "CXN5100" has 0.23 mW of EIRP.

This kind of equipment is below 60/frequency[MHz] W (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 "CXN5100" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P (EIRP)) / (4 * \pi * r^2)$$

Where

$$P = 0.23 \text{ mW (EIRP)}$$

$$r = 20.0 \text{ cm}$$

\*P= Peak Power Density [-35.4dBm/MHz (0.000288mW/MHz)]

\* Occupied Bandwidth (99%) [784.1058MHz] = 0.23mW

**For: CXN5100**

$$S = 0.00005 \text{ mW/cm}^2$$

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