

RF Exposure / SAR Statement
No. : 11170944S-C

Applicant : **Sony Corporation**
Type of Equipment : **Wireless Transceiver Module**
Model No. : **BNSY25**
FCC ID : **AK8BNSY25**

Sony Corporation declares that Model : BNSY25
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "BNSY25" as calculated from FCC Part 1, §1.1310, TABLE 1 (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 = 16.12 mW (Maximum average output power)
G = 1.15 Numerical Antenna gain; equal to 0.59 dBi
r = 20.0 cm

For: BNSY25

$$S = 0.00367 \text{ mW/cm}^2$$

Even taking into account the tolerance, this device can be satisfied with the limits.

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