

RF Exposure / SAR Statement

No. : 26JE0017-HO

Applicant : Sony Corporatoin
Type of Equipment : Personal Communicator
Model No. : COM-1
FCC ID : AK8COM1

Sony Corporatoin declares that Model : COM-1
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The “COM-1“ has 16.79 mW of conducted Peak Output power and 14.45 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 “COM-1“ 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 = 16.79 mW (Maximum peak output power)
G = 0.86 Numerical Antenna gain; equal -0.65 dBi
r = 20.0 cm

For: COM-1

$$S = 0.00288 \text{ mW/cm}^2$$

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