

## RF Exposure / SAR Statement

**No. : 26JE0017-HO**

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

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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/cm<sup>2</sup> 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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