

## RF Exposure / MPE Calculation

**No. : 27LE0344-HO**

<b>Applicant</b>	:	<b>Sony Corporation</b>
<b>Type of Equipment</b>	:	<b>WLAN MODULE</b>
<b>Model No.</b>	:	<b>CMN-727AS</b>
<b>FCC ID</b>	:	<b>AK8CMN727AS</b>
<b>IC Number</b>	:	<b>409B-CMN727AS</b>

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Sony Corporation declares that Model : CMN-727AS  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "CMN-727AS" 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

<b>P =</b>	<b>105.93 mW (Maximum peak output power)</b>
<b>G =</b>	<b>1.58 Numerical Antenna gain; equal 2.00 dBi</b>
<b>r =</b>	<b>20.0 cm</b>

For: CMN-727AS

$$S = 0.03340 \text{ mW/cm}^2$$

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