

RF Exposure / MPE Calculation

No. : 10348320H

Applicant : **Sony Corporation Entertainment Inc.**
Type of Equipment : **PlayStation® TV**
Model No. : **VTE-1001 (Bluetooth part)**
FCC ID : **AK8VTE1001F1**

Sony Corporation Entertainment Inc. declares that Model : VTE-1001 (Bluetooth part) complies with FCC radiation exposure requirement specified in the FCC Rule 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "VTE-1001 (Bluetooth part)" as calculated from (B) Limits for General Population / Uncontrolled Exposure of TABLE 1- LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) of §1.1310 Radiofrequency radiation exposure limits.

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 = 1.11 mW (Maximum average output power)
G = 0.88 Numerical Antenna gain; equal to -0.56 dBi
r = 20.0 cm

For: VTE-1001 (Bluetooth part)

$$S = 0.00019 \text{ mW/cm}^2$$