

RF Exposure / MPE Calculation

No. : 27HE0356-HO-A

Applicant : Sony Corporation
Type of Equipment : Personal Audio System
Model No. : ZS-BT1
FCC ID : AK8ZSBT1

Sony Corporation declares that Model : ZS-BT1
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 "ZS-BT1" 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 = 1.09 mW (Maximum peak output power)
G = 2.34 Numerical Antenna gain; equal 3.69 dBi
r = 20.0 cm

For: ZS-BT1

$$S = 0.00051 \text{ mW/cm}^2$$

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124