

RF Exposure / SAR Statement

No. : 28KE0140-YK-A

Applicant : Sony Corporation
Type of Equipment : Wireless Stereo Headset
Model No. : DR-BT160AS
FCC ID : AK8DRBT160AS

Sony Corporation declares that Model : Wireless Stereo Headset complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "DR-BT160AS" has 1.56 mW of conducted Peak Output power and 2.47 mW of EIRP. This kind of equipment is below 60/frequency[MHz] W (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 "DR-BT160AS" 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 = 1.56 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: DR-BT160AS

$$S = 0.00049 \text{ mW/cm}^2$$

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