

RF Exposure for Mobile use

No. : 26CE0198-YK

Applicant : **Sony EMCS Corporation Saitama TEC**
Type of Equipment : **Home AV Wireless System Transmitter**
Model No. : **HWS-AV10T**
FCC ID : **AK8HWSAV10T**

Sony EMCS Corporation Saitama TEC declares that Model : Home AV Wireless System Transmitter complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

The “HWS-AV10T” has 58.75 mW of conducted Peak Output power and 85.9 mW of EIRP.

The Following calculation is the reference data for 20cm distance for mobile use.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “HWS-AV10T” 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 = 58.75 mW (Maximum peak output power)

G = 1.46 Numerical Antenna gain; equal 1.65 dBi

r = 20.0 cm

For: HWS-AV10T

$$S = 0.01709 \text{ mW/cm}^2$$