

RF Exposure / MPE Calculation

No. : 31EE0033-HO-01

Applicant	:	ONKYO SOUND & VISION Corporation
Type of Equipment	:	UNIVERSAL PORT MODULE FOR AIRPLAY
Model No.	:	UP-AR1
FCC ID	:	ATMUPAR1
IC Number	:	6547A-UPAR1

ONKYO SOUND & VISION Corporation declares that Model : UP-AR1 complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "UP-AR1" 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 =	263.63 mW (Maximum peak output power)	
G =	2.02 Numerical Antenna gain; equal to	3.05 dBi
r =	20.0 cm	

For: UP-AR1

$$S = 0.10583 \text{ mW/cm}^2$$

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