

## RF Exposure / MPE Calculation

**No. : 32IE0264-HO-01**

**Applicant** : YAMAHA CORPORATION  
**Type of Equipment** : Wireless Module  
**Model No.** : AWCD2  
**FCC ID** : A6RAWCD2A

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YAMAHA CORPORATION declares that Model : AWCD2  
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 "AWCD2" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

**P = 6.24 mW (Maximum peak output power)**  
**G = 1.66 Numerical Antenna gain; equal to 2.20 dBi**  
**r = 20.0 cm**

**For: AWCD2**

$$S = 0.00206 \text{ mW/cm}^2$$

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**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