

### **RF Exposure / MPE Calculation**

**No. : 32AE0084-HO-02**

**Applicant : MITSUBISHI ELECTRIC CORPORATION**  
**Type of Equipment : Rearseat Entertainment System**  
**Model No. : ED-B205-**  
**FCC ID : ZEYEDB2053AC13211**  
**IC Number : 662K-EDB203AC133**

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MITSUBISHI ELECTRIC CORPORATION declares that Model : ED-B205- 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 “ED-B205-“ 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 = 1.57 mW (Maximum peak output power)  
G = 0.12 Numerical Antenna gain; equal to -9.28 dBi  
r = 20.0 cm

For: ED-B205-

S = 0.00004 mW/cm<sup>2</sup>

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