

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

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/cm² 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-

$$S = 0.00004 \text{ mW/cm}^2$$

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