

## **RF Exposure / MPE Calculation**

**No. : 32DE0080-HO-01**

**Applicant : LOGICAL PRODUCT CORPORATION**  
**Type of Equipment : LP-RF24DS-02**  
**Model No. : LP-RF24DS-02**  
**FCC ID : A4MLP-RF24DS-02**

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LOGICAL PRODUCT CORPORATION declares that Model : LP-RF24DS-02  
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 "LP-RF24DS-02" 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 = 1.78 mW (Maximum peak output power)**  
**G = 2.14 Numerical Antenna gain; equal to 3.30 dBi**  
**r = 20.0 cm**

For: LP-RF24DS-02

$$S = 0.00076 \text{ mW/cm}^2$$

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