

**FCC Part 15 Subpart C**

**Frequency Spread Spectrum Transmitter**

**Class 2 Permissive Change Test Report**

**Appendix A**

**RF Exposure Information**

**Manufacturer: LXE, Inc.**

**Model: 6726 radio card**

**Variants:** ♦ 6726 radio card with 158586-0001 Integrated Antenna  
♦ 6726 radio card with 158399-001 Integrated Antenna

**FCC ID: KDZLXE6726M**

**LXE Project Number: 02-099**

**General Information:**

Applicant: LXE, Inc  
 FCC ID: KDZLXE6726M  
 Device Category: Mobile Device  
 Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Model No: 158586-0001 & 158399-0001  
 Antenna Types: Omni Directional (Both)  
 Antenna Gains: 0dBi integrated (Both)  
 Transmitter Conducted Power: 20dBm or 100mW  
 Maximum System EIRP: 20dBm or 100mW with integrated antenna

Operating Configuration: Handheld Device  
 Exposure Conditions: Usually greater than 20cm from the population

**MPE Calculation**

The minimum separation distance is calculated as follows:

$$E(V/m) = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d (mW/cm^2) = \frac{E^2}{3770}$$

**MPE Distance**

| MPE Calculator for 2400MHz Mobile Equipment<br>Limits for General Population/Uncontrolled Exposure* |                      |                       |                     |                                    |                      |
|-----------------------------------------------------------------------------------------------------|----------------------|-----------------------|---------------------|------------------------------------|----------------------|
| Transmit Freq.<br>(MHz)                                                                             | Radio Power<br>(dBm) | Antenna Gain<br>(dBi) | System EIRP<br>(mW) | MPE Limit<br>(mW/cm <sup>2</sup> ) | MPE Distance<br>(cm) |
| 2400                                                                                                | 20                   | 0                     | 100                 | 1.00                               | 2.82                 |
| 2400                                                                                                | 20                   | 0                     | 100                 | 1.00                               | 2.82                 |

**SAR test justification:**

These antennas are intended to be mounted in a handheld device. Except for the hands, the antennas will be installed such that a minimum distance of 20cm is maintained from them to the any part of the rest of the user's body. Due to the higher limits for hands, wrist, feet and ankles and the proximity of the antenna to the rest of the body, SAR evaluation was deemed unnecessary.

**Conclusion**

This device complies with the MPE requirements by providing adequate separation between the device and any body parts with the exception of the hands.