

## **RF Exposure / SAR Statement**

**No. : 27LE0273-HO-A**

**Applicant : KOITO INDUSTRIES, LTD.**  
**Type of Equipment : Wireless LAN Module**  
**Model No. : KWM-DS540-N2**  
**FCC ID : V5RKWMDS540N2V**

---

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the “KWM-DS540-N2” 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 = 178.24 mW (Maximum peak output power)**  
**G = 1.64 Numerical Antenna gain; equal 2.14 dBi**  
**r = 20.0 cm**

**For: KWM-DS540-N2**

$$S = 0.05804 \text{ mW/cm}^2$$

---

**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**