

RF Exposure / SAR Statement

No. : 27LE0273-HO-B

Applicant : KOITO INDUSTRIES, LTD.
Type of Equipment : Wireless LAN Module
Model No. : KWM-DS540-N2 (5GHz Band, IEEE802.11a)
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 (5GHz Band, IEEE802.11a)" 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 = 27.23 mW (Maximum peak output power)
G = 1.64 Numerical Antenna gain; equal 2.14 dBi
r = 20.0 cm

For: KWM-DS540-N2 (5GHz Band, IEEE802.11a) S = 0.00887 mW/cm²

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