

RF Exposure / SAR Statement

No. : 26FE0177-HOa

Applicant : OMRON Corporation
Type of Equipment : RFID System(Reader/Writer and Antenna)
Model No. : V740-BA50C04/4A-US and V740-HS03L/LA
FCC ID : OZGV740-BA50CX4

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “V740-BA50C04/4A-US and V740-HS03L/LA” 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 0.6018 mW/cm² uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 968.28 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal 3.00 dBi
r = 23.0 cm

For: V740-BA50C04/4A-US and V740-HS03L/LA S = 0.29063 mW/cm²

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