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/cm^2 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/cm^2

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