

RF Exposure / SAR Statement

No. : 26LE0001-HO-A

Applicant : **OMRON Corporation**
Type of Equipment : **RFID System(Reader/Writer and Antenna)**
Model No. : **V750-BA50C04-US,V750-HS01CA, V750-HS01LA**
FCC ID : **OZGV750-BA50C04**

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “V750-BA50C04-US,V750-HS01CA, V750-HS01LA” 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 0.6018 mW/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 954.99 mW (Maximum peak output power)
G = 3.98 Numerical Antenna gain; equal to 6.00 dBi
r = 23.0 cm

For: V750-BA50C04-US,V750-HS01CA, V750-HS01 **S = 0.57192 mW/cm²**

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