

RF Exposure / SAR Statement

No. : 26AE0124-HO-a
Applicant : SATO CORPORATION
Type of Equipment : RFID Reader Module
Model No. : MP9310-NT
FCC ID : MMFMP9310NT1

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "MP9310-NT" 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 0.60206 mW/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 283.79 mW (Maximum peak output power)
G = 0.32 Numerical Antenna gain; equal -5.00 dBi
r = 20.0 cm

For: MP9310-NT

$$S = 0.01785 \text{ mW/cm}^2$$

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