

RF Exposure / SAR Statement

No. : 27EE0053-HO-C-2

Applicant : Omron Corporation Okayama Factory
Type of Equipment : FA Wireless SS Terminals
Model No. : WT30-SMD16-1 (I/O slave)
FCC ID : RXEWT30B

Omron Corporation Okayama Factory declares that Model : WT30-SMD16-1 (I/O slave) complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "WT30-SMD16-1 (I/O slave)" 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 = 6.05 mW (Maximum peak output power)
G = 1.64 Numerical Antenna gain; equal to 2.14 dBi
r = 20.0 cm

For: WT30-SMD16-1 (I/O slave)

$$S = 0.00197 \text{ mW/cm}^2$$

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