

RF Exposure / MPE Calculation

No. : 30GE0203-HO-02

Applicant : Seiko Epson Corporation
Type of Equipment : Wireless LAN 802.11b/g/n adapter
Model No. : WN7512BEP
FCC ID : BKMAEWN7512
IC Number : 1052D-WN7512

Seiko Epson Corporation declares that Model : WN7512BEP
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “WN7512BEP” 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 = 309.74 mW (Maximum peak output power)
G = 1.00 Numerical Antenna gain; equal to 0.00 dBi
r = 20.0 cm

For: WN7512BEP

$$S = 0.06162 \text{ mW/cm}^2$$

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