

RF Exposure / MPE Calculation

No. : 31BE0221-HO-06-A

Applicant : CONTEC CO., LTD.
Type of Equipment : Wireless LAN Adapter (11b/11g/11a 5745-5825MHz)
Model No. : NZ2WL-US
FCC ID : PQRNZ2WL-US

CONTEC CO., LTD. declares that Model : NZ2WL-US
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 "NZ2WL-US" 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 = 149.62 mW (Maximum peak output power)
G = 1.64 Numerical Antenna gain; equal to 2.14 dBi
r = 20.0 cm

For: NZ2WL-US

$$S = 0.04872 \text{ mW/cm}^2$$

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