FCC ID: NZLADHL5C

RF Exposure/ S A R Statement
Applicant: Gentex Corporation
Model: ADHL5C

Calculations:

The following information provides the minimum separation distance for the antenna as part of the design for the "ADHL5C" as calculated from the 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 an f/1500mW/cm^2 (0.601mW/cm^2) uncontrolled exposure limit. The power density formula used was:

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

Where
        P = 12.72dBm (Maximum Power Output Power)
        G = 7.8dBi (Numerical Antenna Gain, 7.8dBi)
        R = 20.0cm

(P+G) = 20.52dBm
Converting 21.65dBm to mW = 112.72mW

The Power Density S = 0.0197 mW/cm^2
This is less than the above limit.