

RF Exposure / MPE Calculation

No. : 28AE0322-HO-A-R1

Applicant : DENSO CORPORATION
Type of Equipment : Navigation ECU
Model No. : DNNS025
FCC ID : HYQDNNS025
IC Number : 1551A-DNNS025

DENSO CORPORATION declares that Model : DNNS025
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 “DNNS025” 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 = 2.31 mW (Maximum peak output power)
G = 0.76 Numerical Antenna gain; equal -1.20 dBi
r = 20.0 cm

For: DNNS025

$$S = 0.00035 \text{ mW/cm}^2$$

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