

RF Exposure / MPE Calculation

No. : 10255750H

Applicant : DENSO CORPORATION
Type of Equipment : Display Control Unit
Model No. : DNNS086
FCC ID : HYQDNNS086

DENSO CORPORATION declares that Model : DNNS086
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 “DNNS086” as calculated from (B) Limits for General Population / Uncontrolled Exposure of TABLE 1- LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) of §1.1310 Radiofrequency radiation exposure limits.

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 = 3.64 mW (Maximum average output power)
G = 0.79 Numerical Antenna gain; equal to -1.00 dBi
r = 20.0 cm

For: DNNS086

$$S = 0.00058 \text{ mW/cm}^2$$