

RF Exposure / MPE Calculation

No. : 10221964H

Applicant : FUJITSU TEN LIMITED
Type of Equipment : Car Navigation
Model No. : FT0061A
FCC ID : BABFT0061A

FUJITSU TEN LIMITED declares that Model : FT0061A
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 "FT0061A" 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 = 0.47 mW (Maximum average output power)
G = 2.34 Numerical Antenna gain; equal to 3.69 dBi
r = 20.0 cm

For: FT0061A

$$S = 0.00022 \text{ mW/cm}^2$$