

RF Exposure / MPE Calculation

No. : 32KE0192-HO

Applicant : FUJITSU TEN LIMITED
Type of Equipment : Car Audio
Model No. : FT0042A
FCC ID : BABFT0042A

FUJITSU TEN LIMITED declares that Model : FT0042A
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 "FT0042A" 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 = 1.01 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal to 3.00 dBi
r = 20.0 cm

For: FT0042A

$$S = 0.00040 \text{ mW/cm}^2$$

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