

RF Exposure / MPE Calculation

No. : 4786002697H
Applicant : FUJITSU TEN LIMITED
Type of Equipment : Car Audio (WLAN part)
Model No. : FT0043A
FCC ID : BABT0043A

FUJITSU TEN LIMITED declares that Model : FT0043A
complies with FCC radiation exposure requirement specified in the FCC Rule 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "FT0043A" 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 = 153.11 mW (Maximum peak output power)
G = 1.39 Numerical Antenna gain; equal to 1.43 dBi
r = 20.0 cm

For: FT0043A

$$S = 0.04234 \text{ mW/cm}^2$$

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