RF Exposure / MPE Calculation
No. : 10007806H

Applicant	**:**	**FUJITSU TEN LIMITED**
Type of Equipment	**:**	**Car Navigation (WLAN / Bluetooth part)**
Model No.	**:**	**FT0054A**
FCC ID	**:**	**BABFT0054A**

FUJITSU TEN LIMITED declares that Model : FT0054A
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 "FT0054A" 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/cm^2 uncontrolled
exposure limit. The Friis formula used was:

$$S = (P * G) / (4* \pi * r^2)$$

Where

$P =$ **136.58** mW (Maximum peak output power)
$G =$ **1.12** Numerical Antenna gain; equal to **0.49** dBi
$r =$ **20.0** cm

For: FT0054A (WLAN part) $S =$ **0.03042** mW/cm^2

$$S = (P * G) / (4* \pi * r2)$$

Where

$P =$ **1.23** mW (Maximum peak output power)
$G =$ **1.33** Numerical Antenna gain; equal to **1.23** dBi
$r =$ **20.0** cm

For: FT0054A (Bluetooth part) $S =$ **0.00032** mW/cm^2

This product can transmit Bluetooth and WLAN simultaneously, therefore combined power density value is as follows:
S= 0.03042 mW/cm^2 + 0.00032 mW/cm^2
= 0.03074 mW/cm^2