

RF Exposure / SAR Statement

No. : 13385909S

Applicant : **Panasonic Corporation**
Type of EUT : **Car Navigation**
Model Number of EUT : **AT2103**
FCC ID : **ACJ932AT2103**

Panasonic Corporation declares that Model : AT2103 complies with
FCC radiation exposure requirement specified in the FCC Rules 2.1091(for mobile).
AT2103 is intended to be used Bluetooth and Wireless LAN simultaneously within 20 cm.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "AT2103" as calculated from FCC Part 1, §1.1310, TABLE 1 (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:

$$S = ((P1 * G1) + (P2 * G2) + (P3 * G3)) / (4 * \pi * r^2)$$

Where

P1 = 4.51 mW (Maximum average output power) *1)

P2 = 2.91 mW (Maximum average output power) *2)

P3 = 20.75 mW (Maximum average output power) *3)

G1 = 1.82 Numerical Antenna gain; equal to 2.59 dBi *1)

G2 = 1.62 Numerical Antenna gain; equal to 2.08 dBi *2)

G3 = 2.54 Numerical Antenna gain; equal to 4.04 dBi *3)

r = 20.0 cm

For: AT2103 (Wireless LAN and Bluetooth)

S = 0.01306 mW/cm²

Even taking into account the tolerance, this device can be satisfied with the limits.

*1) Wireless LAN (5 GHz band) value

*2) Bluetooth value

*3) Wireless LAN (2.4 GHz band) value

UL Japan, Inc.
Shonan EMC Lab.

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401