

RF Exposure / SAR Statement

No. : 32GE0051-SH-03-B

Applicant : Panasonic Corporation Automotive Systems Company
Type of Equipment : Bluetooth/WLAN Module Assy
Model No. : YEAP01A473WLAN
FCC ID : ACJ932YEAP01A473W

Panasonic Corporation Automotive Systems Company declares that Model : Bluetooth/WLAN Module Assy complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

The "YEAP01A473WLAN" has 106.17 mW of conducted Peak Output power and 44.26 mW of EIRP.

This equipment is considered as a mobile device so that SAR testing is excluded.

The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "YEAP01A473WLAN" 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 = 106.17 mW (Maximum peak output power)
G = 0.42 Numerical Antenna gain; equal -3.80 dBi
r = 20.0 cm

For: YEAP01A473WLAN

$$S = 0.00881 \text{ mW/cm}^2$$

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