

RF Exposure / SAR Statement
No. : 10499187S-H

Applicant : **MITSUMI ELECTRIC CO., LTD.**
Type of Equipment : **Wireless LAN + BT/BLE Module**
Model No. : **DWM-W314**
FCC ID : **EW4DWMW314**

MITSUMI ELECTRIC CO., LTD. declares that Model : DWM-W314
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "DWM-W314" 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:

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

Where

$$P = 10^{((\text{specification RF power} = 1\text{dBm} + \text{tolerance } 4\text{dB}) / 10)}$$
$$= 3.16 \text{ mW (Maximum average output power with tolerance) }^{*1)}$$
$$G = 0.12 \text{ Numerical Antenna gain; equal to } -9.20 \text{ dBi}$$
$$r = 20.0 \text{ cm}$$

For: DWM-W314 **S = 0.00008 mW/cm²**

*1) The value is based on the specification provided by the customer.

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