

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

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 ^ ((specification RF power = 12dBm + tolerance 2.5dB) / 10)
	=	28.18 mW (Maximum average output power with tolerance) *1)
G	=	0.12 Numerical Antenna gain; equal to -9.20 dBi
r	=	20.0 cm

For: DWM-W314

$$S = 0.00067 \text{ mW/cm}^2$$

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

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