

## **RF Exposure / SAR Statement**

### **No. : 10548959S**

|                          |          |                                   |
|--------------------------|----------|-----------------------------------|
| <b>Applicant</b>         | <b>:</b> | <b>MITSUMI ELECTRIC CO., LTD.</b> |
| <b>Type of Equipment</b> | <b>:</b> | <b>WLAN 11b/g/n Module</b>        |
| <b>Model No.</b>         | <b>:</b> | <b>DWM-W077E</b>                  |
| <b>FCC ID</b>            | <b>:</b> | <b>EW4DWMW077E</b>                |

---

MITSUMI ELECTRIC CO., LTD. declares that Model : DWM-W077E  
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-W077E" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

Where

$$P = 10^{((\text{specification RF power} = 14\text{dBm} + \text{tolerance } 2.5\text{dB}) / 10)}$$
$$= 44.67 \text{ mW (Maximum average output power with tolerance) }^{*1)}$$
$$G = 0.87 \text{ Numerical Antenna gain; equal to } -0.60 \text{ dBi}$$
$$r = 20.0 \text{ cm}$$

**For: DWM-W077E**

$$S = 0.00774 \text{ mW/cm}^2$$

\*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