

RF exposure statement

To whom it may concern:

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is authorized as a test-lab from **Applicant: Mitsumi Electric Co., Ltd.** for testing the device.

The maximum peak output power of the product **FCC ID: EW4DWMW028** is 2.992 mW.

RF exposure calculation

$$S = \frac{PG}{4\pi R^2} \quad [\text{mW/cm}^2] \quad (\text{limit}=1.0\text{mW/cm}^2)$$

where: S = power density

P = power input to the antenna (2.992 mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator (1.83 = 2.62 dBi)

R = distance to the center of radiation of the antenna (20 cm)

[PARTNER-CTR Capture Debugger]

Radio	Frequency (MHz)	Output Power to Antenna (mW)	Power density (mW/cm ²)
IEEE802.11b	2442MHz	2.992	0.00109
IEEE802.11g	2442MHz	2.904	0.00106

Therefore, the product **FCC ID: EW4DWMW028** is deemed to comply with the requirements of FCC 47CFR 2.1091 'Radiofrequency radiation exposure evaluation: mobile devices'.

Regarding product **IC: 4250A-DWMW028**

The IC RF Exposure Evaluation exemption limit is 5W (e.i.r.p) for devices operating above 1.5GHz and having a separation distance to the user greater than 20cm, according to RSS-102 (Issue 4), clause 2.5.2.

The maximum conducted output power of the product is 2.992 mW.

The maximum antenna gain is 2.62 dBi = 1.83.

Therefore the maximum e.i.r.p. output power of the product is 2.992 mW * 1.83 = 5.475 mW.

Conclusion: The product meets the IC RF Exposure Evaluation exemption