

# MITSUMI



MITSUMI ELECTRIC CO., LTD.

1601, SAKAI, ATSUGI-SHI, KANAGAWA, 243-8533 JAPAN  
TEL: +81-46-230-3420 FAX: +81-46-230-3500

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**DWM-W095A BT Average Power showing the Maximum Rated power Output / Tune-up power tolerance**

Mitsumi Declares that due to the limitations of Fujitsu's host operating system and Firmware conditions, the Bluetooth power in all 3 modes (Basic, EDR and BLE) cannot exceed 9dBm under all circumstances. The user will have no means to change this condition.

**Conditions:**

Broadcom BlueTool: Version 1.7.8.7

Firmware: BCM4324B3\_002.004.006.0096.0113.hcd

|                                     | Frequency<br>(MHz) | On<br>(us) | On+Off<br>(us) | Duty Cycle<br>(%) | Duty Factor<br>(dB) | Measured Power<br>(dBm) | Average Power<br>(dBm) | Maximum Rated<br>Output Power<br>(dBm) |
|-------------------------------------|--------------------|------------|----------------|-------------------|---------------------|-------------------------|------------------------|----------------------------------------|
| Basic<br>Data Rate<br>GFSK (DH5)    | 2402               | 2880       | 3750           | 76.80             | 1.15                | 7.03                    | 8.18                   | 9                                      |
|                                     | 2441               | 2880       | 3750           | 76.80             | 1.15                | 7.39                    | 8.54                   | 9                                      |
|                                     | 2480               | 2880       | 3750           | 76.80             | 1.15                | 7.48                    | 8.63                   | 9                                      |
| Enhanced<br>Data Rate<br>8PSK (DH5) | 2402               | 2885       | 3750           | 76.93             | 1.14                | 4.82                    | 5.96                   | 9                                      |
|                                     | 2441               | 2885       | 3750           | 76.93             | 1.14                | 5.63                    | 6.77                   | 9                                      |
|                                     | 2480               | 2885       | 3750           | 76.93             | 1.14                | 5.23                    | 6.37                   | 9                                      |
| BLE                                 | 2402               | 388        | 625            | 62.08             | 2.07                | 1.96                    | 4.03                   | 7                                      |
|                                     | 2442               | 388        | 624            | 62.18             | 2.06                | 3.00                    | 5.06                   | 7                                      |
|                                     | 2480               | 388        | 624            | 62.18             | 2.06                | 2.98                    | 5.04                   | 7                                      |

# Power output of Mitsumi DWM-W095A (WLAN)

FCC ID: EW4DWMW095A

| FCC/IC                               |                   |      |      |      |               |
|--------------------------------------|-------------------|------|------|------|---------------|
| Conducted Tx PowerdBm - SINGLE CHAIN |                   |      |      |      |               |
| Ch#                                  | Center Freq (MHz) | 11b  | 11g  | HT20 | HT40          |
| 1                                    | 2412              | 16.0 | 13.0 | 13.0 | N/A           |
| 2                                    | 2417              | 16.0 | 13.0 | 13.0 | N/A           |
| 3                                    | 2422              | 16.0 | 13.0 | 13.0 | not supported |
| 4                                    | 2427              | 16.0 | 13.0 | 13.0 | not supported |
| 5                                    | 2432              | 16.0 | 13.0 | 13.0 | not supported |
| 6                                    | 2437              | 16.0 | 13.0 | 13.0 | not supported |
| 7                                    | 2442              | 16.0 | 13.0 | 13.0 | not supported |
| 8                                    | 2447              | 16.0 | 13.0 | 13.0 | not supported |
| 9                                    | 2452              | 16.0 | 13.0 | 13.0 | not supported |
| 10                                   | 2457              | 16.0 | 13.0 | 13.0 | N/A           |
| 11                                   | 2462              | 16.0 | 13.0 | 13.0 | N/A           |

| FCC/IC |                   |      |
|--------|-------------------|------|
| Ch#    | Center Freq (MHz) | HT40 |
| 38     | 5190              | 12.0 |
| 46     | 5230              | 12.0 |
| 54     | 5270              | 12.0 |
| 62     | 5310              | 12.0 |
| 102    | 5510              | 12.0 |
|        | 5550              | 12.0 |
| 118    | 5590              | 12.0 |
|        | 5630              | 12.0 |
| 134    | 5670              | 12.0 |
| 151    | 5755              | 12.0 |
| 159    | 5795              | 12.0 |

| FCC/IC |                   |      |      |
|--------|-------------------|------|------|
| Ch#    | Center Freq (MHz) | 11a  | HT20 |
| 36     | 5180              | 12.0 | 12.0 |
| 40     | 5200              | 12.0 | 12.0 |
| 44     | 5220              | 12.0 | 12.0 |
| 48     | 5240              | 12.0 | 12.0 |
| 52     | 5260              | 12.0 | 12.0 |
| 56     | 5280              | 12.0 | 12.0 |
| 60     | 5300              | 12.0 | 12.0 |
| 64     | 5320              | 12.0 | 12.0 |
| 100    | 5500              | 12.0 | 12.0 |
| 104    | 5520              | 12.0 | 12.0 |
| 108    | 5540              | 12.0 | 12.0 |
| 112    | 5560              | 12.0 | 12.0 |
| 116    | 5580              | 12.0 | 12.0 |
| 120    | 5600              | 12.0 | 12.0 |
| 124    | 5620              | 12.0 | 12.0 |
| 128    | 5640              | 12.0 | 12.0 |
| 132    | 5660              | 12.0 | 12.0 |
| 136    | 5680              | 12.0 | 12.0 |
| 140    | 5700              | 12.0 | 12.0 |
| 149    | 5745              | 12.0 | 12.0 |
| 153    | 5765              | 12.0 | 12.0 |
| 157    | 5785              | 12.0 | 12.0 |
| 161    | 5805              | 12.0 | 12.0 |
| 165    | 5825              | 12.0 | 12.0 |

## NOTES:

Simultaneous operation of WLAN and BT is time division transmitting

The target power in power table is maximum power including tune-up tolerance.

The tolerance (difference between maximum value and typical value) of WLAN output power is 2.5dB.

We can set WLAN output power to nearly the target (maximum) power in RF test.

MIMO power will be Chain#1 power + Chain#2 power

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*Masashi Tsuchida*

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