

Declaration of Compliance

FCC ID: BEJWN8522D1
Product Name: Wi-Fi module
Model No: WN8522D1

Futaba Corporation declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation. Based on safety distance 20cm,
the antenna gain for 2400 to 2483.5MHz is 1.39dBi= 1.377
5150 to 5850MHz is 4.67dBi= 2.931
5725 to 5850MHz is 3.3dBi = 2.138

The maximum power in **2400 to 2483.5MHz** is 26.64dBm= 461.318mW

RF Exposure Calculations:

$$S = (P * G) / (4 * \pi * r^2) \text{ or } r = \sqrt{(P * G) / (4 * \pi * S)}$$

$$S = 461.318 * 1.377 / 4 * \pi * 20^2 = 0.126 \text{mW/cm}^2$$

The maximum power in **5150 to 5250MHz** is 14.33dBm= 27.102mW

RF Exposure Calculations:

$$S = (P * G) / (4 * \pi * r^2) \text{ or } r = \sqrt{(P * G) / (4 * \pi * S)}$$

$$S = 27.102 * 2.931 / 4 * \pi * 20^2 = 0.0158 \text{mW/cm}^2$$

The maximum power in **5725 to 5850MHz** is 24.66dBm= 292.415mW

RF Exposure Calculations:

$$S = (P * G) / (4 * \pi * r^2) \text{ or } r = \sqrt{(P * G) / (4 * \pi * S)}$$

$$S = 292.415 * 2.138 / 4 * \pi * 20^2 = 0.124 \text{mW/cm}^2$$

Sincerely Yours,



Jae Cheon Lee / General Manager
LG Electronics USA