

|               | <u>PowerG</u> |           | <u>Wi-Fi</u> |           |
|---------------|---------------|-----------|--------------|-----------|
| output power  | <u>15.00</u>  | (dBm)     | <u>20.95</u> | (dBm)     |
| output power  | <u>32</u>     | (mW)      | <u>124</u>   | (mW)      |
| antenna gain  | <u>1</u>      | (dBi)     | <u>0.5</u>   | (dBi)     |
| antenna gain  | <u>1.26</u>   | (numeric) | <u>1.12</u>  | (numeric) |
| distance      | <u>20</u>     | (cm)      | <u>20</u>    | (cm)      |
| duty cycle    | <u>100</u>    | (%)       | <u>100</u>   | (%)       |
| frequency     | <u>912.75</u> | (MHz)     | <u>2400</u>  | (MHz)     |
| MPE limit     | <u>0.61</u>   | (mW/cm^2) | <u>1.0</u>   | (mW/cm^2) |
| power density | <u>0.0079</u> | (mW/cm^2) | <u>0.028</u> | (mW/cm^2) |
| margin        | <u>18.9</u>   | (dB)      | <u>15.6</u>  | (dB)      |
| PD/Limit      | <u>0.013</u>  |           | <u>0.028</u> |           |
| sum           | <u>0.041</u>  | <         | <u>1</u>     |           |

PD=  $GP/(4\pi R^2)$