

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

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

	<u>Zwave</u>					EIRP	PD mW/cm <sup>2</sup> at 20
f MHz	dBuV/m	uV/m	V/m	R m	EIRP W	mW	cm
<b>908.4</b>	<b>89.4</b>	<b>29512</b>	<b>0.030</b>	<b>3</b>	<b>0.00026</b>	<b>0.26</b>	<b>5.2E-05</b>
Limit	<b>0.61</b>	mW/cm <sup>2</sup>					
PD/Limit	<b>0.000086</b>						