

MPE Exposure Formula:

$$S = (P \times G) / (4 \times \pi \times d^2)$$

where:

S = power density

P = transmitter conducted power in (mW)

G = antenna numeric gain

d = distance to radiation center (m) or $(.02^2) = .020$ m

802.11b (2405 MHz)

Enter Data in Linear Units			
Gain =	0.32	Numeric	-5 dBi
Power =	2	mW	2.81 dBm
Frequency =	2412	MHz	1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	0.60	mW	0.60 mW
R (cm) =	0.2192275	S (20cm) =	0.000

802.11b (2440 MHz)

Enter Data in Linear Units			
Gain =	0.32	Numeric	-5 dBi
Power =	2	mW	3.39 dBm
Frequency =	2437	MHz	1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	0.69	mW	0.69 mW
R (cm) =	0.2343662	S (20cm) =	0.000

802.11b (2480 MHz)

Enter Data in Linear Units			
Gain =	0.32	Numeric	-5 dBi
Power =	1	mW	-0.35 dBm
Frequency =	2462	MHz	1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	0.29	mW	0.29 mW
R (cm) =	0.1523685	S (20cm) =	0.000

Note: The module is below the 25mW threshold, where SAR measurements is not required. So the module may be used in portable configuratons, with no additional SAR data required.