MPE Exposure Formula:

S = (P X G) / (4 X π X 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 (2412 MHz)

Enter Data in Linear Units					
Gain =	1.17	Numeric		0.7	dBi
Power =	50	mW		17	dBm
Frequency =	**2412**	**MHz**		1.000	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	58.88	mW		58.88	mW
R (cm) =	2.1646868		S (20cm) =		0.012

802.11b (2437 MHz)

Enter Data in Linear Units					
Gain =	1.17	Numeric		0.7	dBi
Power =	50	mW		17	dBm
Frequency =	**2437**	**MHz**		1.000	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	58.88	mW		58.88	mW
R (cm) =	2.1646868		S (20cm) =		0.012

802.11b (2462 MHz)

Enter Data in Linear Units					
Gain =	1.17	Numeric		0.7	dBi
Power =	50	mW		17	dBm
Frequency =	**2462**	**MHz**		1.000	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	58.88	mW		58.88	mW
R (cm) =	2.1646868		S (20cm) =		0.012

802.11g (2412 MHz)

Enter Data in Linear Units					
Gain =	1.17	Numeric		0.7	dBi
Power =	40	mW		16	dBm
Frequency =	**2412**	**MHz**		1.000	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	46.77	mW		46.77	mW
R (cm) =	1.9292791		S (20cm) =		0.009

802.11g (2437 MHz)

Enter Data in Linear Units					
Gain =	1.17	Numeric		0.7	dBi
Power =	40	mW		16	dBm
Frequency =	**2437**	**MHz**		1.000	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	46.77	mW		46.77	mW
R (cm) =	1.9292791		S (20cm) =		0.009

802.11g (2462 MHz)

Enter Data in Linear Units					
Gain =	1.17	Numeric		0.7	dBi
Power =	40	mW		16	dBm
Frequency =	**2462**	**MHz**		1.000	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	46.77	mW		46.77	mW
R (cm) =	1.9292791		S (20cm) =		0.009