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

2412 MHz (802.11b)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	89	mW	**EUT power:**	19.5	dBm
Frequency =	**2412**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	112.20	mW		112.20	mW
R (cm) =	2.9880996		S (20cm) =		0.022

2437 MHz (802.11b)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	355	mW	**EUT power:**	25.5	dBm
Frequency =	**2437**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	446.68	mW		446.68	mW
R (cm) =	5.9620425		S (20cm) =		0.089

2462 MHz (802.11b)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	95	mW	**EUT power:**	19.8	dBm
Frequency =	**2462**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	120.23	mW		120.23	mW
R (cm) =	3.0931079		S (20cm) =		0.024

2412 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	12	mW	**EUT power:**	10.9	dBm
Frequency =	**2412**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	15.49	mW		15.49	mW
R (cm) =	1.1101843		S (20cm) =		0.003

2437 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	324	mW	**EUT power:**	25.1	dBm
Frequency =	**2437**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	407.38	mW		407.38	mW
R (cm) =	5.6937064		S (20cm) =		0.081

2462 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	12	mW	**EUT power:**	10.9	dBm
Frequency =	**2462**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	15.49	mW		15.49	mW
R (cm) =	1.1101843		S (20cm) =		0.003