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 =	100	mW	**EUT power:**	20	dBm
Frequency =	**2412**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	125.89	mW		125.89	mW
R (cm) =	3.1651556		S (20cm) =		0.025

2437 MHz (802.11b)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	398	mW	**EUT power:**	26	dBm
Frequency =	**915**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	501.19	mW		501.19	mW
R (cm) =	6.3153157		S (20cm) =		0.100

2462 MHz (802.11b)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	100	mW	**EUT power:**	20	dBm
Frequency =	**927**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	125.89	mW		125.89	mW
R (cm) =	3.1651556		S (20cm) =		0.025

2412 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	200	mW	**EUT power:**	23	dBm
Frequency =	**902**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	251.19	mW		251.19	mW
R (cm) =	4.4709012		S (20cm) =		0.050

2437 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	398	mW	**EUT power:**	26	dBm
Frequency =	**915**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	501.19	mW		501.19	mW
R (cm) =	6.3153157		S (20cm) =		0.100

2462 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.3	Numeric	**EUT ant.:**	1	dBi
Power =	200	mW	**EUT power:**	23	dBm
Frequency =	**927**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	251.19	mW		251.19	mW
R (cm) =	4.4709012		S (20cm) =		0.050