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 =	1.6	Numeric	**EUT ant.:**	2	dBi
Power =	69	mW	**EUT power:**	18.4	dBm
			MPE limit:	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	109.65	mW		109.65	mW
R (cm) =	2.9538951		S (20cm) =		0.022

2437 MHz (802.11b)

		Enter Data in Linear Units			
Gain =	1.6	Numeric	**EUT ant.:**	2	dBi
Power =	251	mW	**EUT power:**	24	dBm
			MPE limit:	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	398.11	mW		398.11	mW
R (cm) =	5.6285311		S (20cm) =		0.079

2462 MHz (802.11b)

		Enter Data in Linear Units			
Gain =	1.6	Numeric	**EUT ant.:**	2	dBi
Power =	71	mW	**EUT power:**	18.5	dBm
			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

R (cm) = Refers to the calculated safe distance (Formula is SQRT(EIRP/(4*PI()*MPE limit (mW/CM^2)))
S (20cm) = Refers to the calculated power density at 20cm distance

2412 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.6	Numeric	**EUT ant.:**	2	dBi
Power =	110	mW	**EUT power:**	20.4	dBm
		MHz	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	173.78	mW		173.78	mW
R (cm) =	3.7187336		S (20cm) =		0.035

2437 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.6	Numeric	**EUT ant.:**	2	dBi
Power =	398	mW	**EUT power:**	26	dBm
		MHz	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	630.96	mW		630.96	mW
R (cm) =	7.0859008		S (20cm) =		0.126

2462 MHz (802.11g)

Enter Data in Linear Units					
Gain =	1.6	Numeric	**EUT ant.:**	2	dBi
Power =	100	mW	**EUT power:**	20	dBm
		MHz	**MPE limit:**	1	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	158.49	mW		158.49	mW
R (cm) =	3.5513630		S (20cm) =		0.032

R (cm) = Refers to the calculated safe distance (Formula is SQRT(EIRP/(4*PI()*MPE limit (mW/CM^2)))
S (20cm) = Refers to the calculated power density at 20cm distance