MPE Exposure Formula:

S = (P X G) / (4 X p 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

5180 MHz (802.11a)

Enter Data in Linear Units					
Gain =	4.0	Numeric	**EUT ant.:**	6.02	dBi
Power =	24	mW	**EUT power:**	13.8	dBm
Frequency =	**5180**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	95.94	mW		95.94	mW
R (cm) =	2.7630902		S (20cm) =		0.019

5260 MHz (802.11a)

Enter Data in Linear Units					
Gain =	4.0	Numeric	**EUT ant.:**	6.02	dBi
Power =	26	mW	**EUT power:**	14.1	dBm
Frequency =	**5260**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	102.80	mW		102.80	mW
R (cm) =	2.8601912		S (20cm) =		0.020

5320 MHz (802.11a)

Enter Data in Linear Units					
Gain =	4.0	Numeric	**EUT ant.:**	6.02	dBi
Power =	32	mW	**EUT power:**	15.1	dBm
Frequency =	**5320**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	129.42	mW		129.42	mW
R (cm) =	3.2091873		S (20cm) =		0.026

5180 MHz (802.11n) 20 MHz

Enter Data in Linear Units					
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	13	mW	**EUT power:**	11	dBm
Frequency =	**5180**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	104.71	mW		104.71	mW
R (cm) =	2.8866562		S (20cm) =		0.021

5260 MHz (802.11n) 20 MHz

Enter Data in Linear Units					
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	32	mW	**EUT power:**	15	dBm
Frequency =	**5260**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	263.03	mW		263.03	mW
R (cm) =	4.5750418		S (20cm) =		0.052

5320 MHz (802.11n) 20 MHz

Enter Data in Linear Units					
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	28	mW	**EUT power:**	14.5	dBm
Frequency =	**5320**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	234.42	mW		234.42	mW
R (cm) =	4.3191180		S (20cm) =		0.047

5190 MHz (802.11n) 40 MHz

Enter Data in Linear Units					
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	22	mW	**EUT power:**	13.5	dBm
Frequency =	**5190**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	186.21	mW		186.21	mW
R (cm) =	3.8494180		S (20cm) =		0.037

5230 MHz (802.11n) 40 MHz

Enter Data in Linear Units					
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	63	mW	**EUT power:**	18	dBm
Frequency =	**5230**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	524.81	mW		524.81	mW
R (cm) =	6.4624183		S (20cm) =		0.104

5310 MHz (802.11n) 40 MHz

Enter Data in Linear Units					
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	28	mW	**EUT power:**	14.4	dBm
Frequency =	**5310**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	229.09	mW		229.09	mW
R (cm) =	4.2696775		S (20cm) =		0.046

5745 MHz (802.11n) 20 MHz

		Enter Data in Linear Units			
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	26	mW	**EUT power:**	14.1	dBm
Frequency =	**5745**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	213.80	mW		213.80	mW
R (cm) =	4.1247257		S (20cm) =		0.043

5785 MHz (802.11n) 20 MHz

		Enter Data in Linear Units			
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	26	mW	**EUT power:**	14.2	dBm
Frequency =	**5785**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	218.78	mW		218.78	mW
R (cm) =	4.1724877		S (20cm) =		0.044

5825 MHz (802.11n) 20 MHz

		Enter Data in Linear Units			
Gain =	8.3	Numeric	**EUT ant.:**	9.2	dBi
Power =	26	mW	**EUT power:**	14.1	dBm
Frequency =	**5825**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	213.80	mW		213.80	mW
R (cm) =	4.1247257		S (20cm) =		0.043

5755 MHz (802.11n) 40 MHz

		Enter Data in Linear Units			
Gain =	7.9	Numeric	**EUT ant.:**	9	dBi
Power =	28	mW	**EUT power:**	14.4	dBm
Frequency =	**5755**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	218.78	mW		218.78	mW
R (cm) =	4.1724877		S (20cm) =		0.044

5795 MHz (802.11n) 40 MHz

		Enter Data in Linear Units			
Gain =	7.9	Numeric	**EUT ant.:**	9	dBi
Power =	26	mW	**EUT power:**	14.1	dBm
Frequency =	**5795**	**MHz**	**MPE limit:**	1	mW/cm^2
Cable Loss =		**dB**			
EIRP =	204.17	mW		204.17	mW
R (cm) =	4.0308354		S (20cm) =		0.041

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6.7