

MPE Exposure Formula:

$$S = (P \times G) / (4 \times \pi \times d^2)$$

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

2402 MHz

Enter Data in Linear Units			
Gain =	1	Numeric	0 dBi
Power =	1	mW	1.1 dBm
Frequency =	2402	MHz	1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	1.29	mW	1.29 mW
R (cm) =	0.3201806	S (20cm) =	0.000

2450 MHz

Enter Data in Linear Units			
Gain =	1	Numeric	0 dBi
Power =	1	mW	-0.8 dBm
Frequency =	2450	MHz	1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	0.83	mW	0.83 mW
R (cm) =	0.2572735	S (20cm) =	0.000

2478 MHz

Enter Data in Linear Units			
Gain =	1	Numeric	0 dBi
Power =	1	mW	0.1 dBm
Frequency =	2478	MHz	1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	1.02	mW	1.02 mW
R (cm) =	0.2853613	S (20cm) =	0.000