

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	dB	
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	dB	
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	dB	
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	