

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

902.6 MHz

Enter Data in Linear Units					
Gain =	7.1	Numeric	9	dB	
Power =	398	mW	26	dBm	
Frequency =	902.6	MHz	0.602	mW/cm ²	
Cable Loss =	0	dB			
EIRP =	2826.56	mW		3162.28	mW
R (cm) =	19.3340219		S (20cm) =	0.629	

915.4 MHz

Enter Data in Linear Units					
Gain =	7.1	Numeric	9	dB	
Power =	398	mW	26	dBm	
Frequency =	915.4	MHz	0.610	mW/cm ²	
Cable Loss =	0	dB			
EIRP =	2826.56	mW		3162.28	mW
R (cm) =	19.1983727		S (20cm) =	0.629	

927.6 MHz

Enter Data in Linear Units					
Gain =	7.1	Numeric	9	dB	
Power =	398	mW	26	dBm	
Frequency =	927.6	MHz	0.618	mW/cm ²	
Cable Loss =	0	dB			
EIRP =	2826.56	mW		3162.28	mW
R (cm) =	19.0717042		S (20cm) =	0.629	