

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

Enter Data in Linear Units					
Gain =	10	Numeric	10	dB	
Power =	391	mW	26	dBm	
Frequency =	902	MHz	0.601	mW/cm ²	
Cable Loss =	0.08	dB			
EIRP =	3908.41	mW		3908.41	mW
R (cm) =	22.7424594			S (20cm) =	0.778

Enter Data in Linear Units					
Gain =	10	Numeric	10	dB	
Power =	391	mW	26	dBm	
Frequency =	915	MHz	0.610	mW/cm ²	
Cable Loss =	0.08	dB			
EIRP =	3908.41	mW		3908.41	mW
R (cm) =	22.5803230			S (20cm) =	0.778

Enter Data in Linear Units					
Gain =	10	Numeric	10	dB	
Power =	391	mW	26	dBm	
Frequency =	928	MHz	0.619	mW/cm ²	
Cable Loss =	0.08	dB			
EIRP =	3908.41	mW		3908.41	mW
R (cm) =	22.4216056			S (20cm) =	0.778

Enter Data in Linear Units			
Gain =	5	Numeric	7 dBi
Power =	398	mW	26 dBm
Frequency =	902	MHz	0.601 mW/cm ²
Cable Loss =	0	dB	
EIRP =	1995.26	mW	1995.26 mW
R (cm) =	16.2494037	S (20cm) =	0.397

Enter Data in Linear Units			
Gain =	5	Numeric	7 dBi
Power =	794	mW	29 dBm
Frequency =	915	MHz	0.610 mW/cm ²
Cable Loss =	0	dB	
EIRP =	3981.07	mW	3981.07 mW
R (cm) =	22.7892562	S (20cm) =	0.792

Enter Data in Linear Units			
Gain =	5	Numeric	7 dBi
Power =	794	mW	29 dBm
Frequency =	928	MHz	0.619 mW/cm ²
Cable Loss =	0	dB	
EIRP =	3981.07	mW	3981.07 mW
R (cm) =	22.6290702	S (20cm) =	0.792