

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 =	3.16	Numeric	5	dB	
Power =	6026	mW	37.8	dBm	
Frequency =	806	MHz	0.537	mW/cm ²	
Cable Loss =	0	dB			
EIRP =	19054.61	mW		19054.61	mW
R (cm) =	53.1218482			S (20cm) =	3.791

Enter Data in Linear Units					
Gain =	10.00	Numeric	10	dB	
Power =	6026	mW	37.8	dBm	
Frequency =	806	MHz	0.537	mW/cm ²	
Cable Loss =	0	dB			
EIRP =	60255.96	mW		60255.96	mW
R (cm) =	94.4654889			S (20cm) =	11.988

Enter Data in Linear Units					
Gain =	46.24	Numeric	16.65	dB	
Power =	6026	mW	37.8	dBm	
Frequency =	806	MHz	0.537	mW/cm ²	
Cable Loss =	0	dB			
EIRP =	278612.12	mW		278612.1	mW
R (cm) =	203.1295828			S (20cm) =	55.428

Enter Data in Linear Units				
Gain =	73.28	Numeric	18.65	dBi
Power =	6026	mW	37.8	dBm
Frequency =	806	MHz	0.537	mW/cm^2
Cable Loss =	0	dB		
EIRP =	441570.45	mW		441570.4 mW
R (cm) =	255.7249937		S (20cm) =	87.848