

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 dBi
Power =	5012	mW	37 dBm
Frequency =	928	MHz	0.619 mW/cm ²
Cable Loss =	0	dB	
EIRP =	15848.93	mW	15848.93 mW
R (cm) =	45.1509310	S (20cm) =	3.153

Enter Data in Linear Units			
Gain =	10.00	Numeric	10 dBi
Power =	5012	mW	37 dBm
Frequency =	928	MHz	0.619 mW/cm ²
Cable Loss =	0	dB	
EIRP =	50118.72	mW	50118.72 mW
R (cm) =	80.2909709	S (20cm) =	9.971

Enter Data in Linear Units			
Gain =	46.24	Numeric	16.65 dBi
Power =	5012	mW	37 dBm
Frequency =	928	MHz	0.619 mW/cm ²
Cable Loss =	0	dB	
EIRP =	231739.46	mW	231739.5 mW
R (cm) =	172.6500504	S (20cm) =	46.103

Enter Data in Linear Units			
Gain =	73.28	Numeric	18.65 dBi
Power =	5012	mW	37 dBm
Frequency =	928	MHz	0.619 mW/cm ²
Cable Loss =	0	dB	
EIRP =	367282.30	mW	367282.3 mW
R (cm) =	217.3535358	S (20cm) =	73.068