

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 MHz (Omni antenna)

Enter Data in Linear Units					
Gain =	5.0	Numeric	EUT ant.:	7	dBi
Power =	617	mW	EUT power:	27.9	dBm
Frequency =	904	MHz	MPE limit:	0.603	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3090.30	mW		3090.30	mW
R (cm) =	20.2002378		S (20cm) =	0.615	

915.4 MHz (Omni antenna)

Enter Data in Linear Units					
Gain =	5.0	Numeric	EUT ant.:	7	dBi
Power =	813	mW	EUT power:	29.1	dBm
Frequency =	915	MHz	MPE limit:	0.610	mW/cm ²
Cable Loss =	0	dB			
EIRP =	4073.80	mW		4073.80	mW
R (cm) =	23.0531433		S (20cm) =	0.810	

928 MHz (Omni antenna)

Enter Data in Linear Units					
Gain =	5.0	Numeric	EUT ant.:	7	dBi
Power =	692	mW	EUT power:	28.4	dBm
Frequency =	926	MHz	MPE limit:	0.617	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3467.37	mW		3467.37	mW
R (cm) =	21.1414711		S (20cm) =	0.690	

902 MHz (Yagi antenna)

Enter Data in Linear Units					
Gain =	13.2	Numeric	EUT ant.:	11.2	dBi
Power =	282	mW	EUT power:	24.5	dBm
Frequency =	904	MHz	MPE limit:	0.603	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3715.35	mW		3715.35	mW
R (cm) =	22.1491203		S (20cm) =	0.739	

915.4 MHz (Yagi antenna)

Enter Data in Linear Units					
Gain =	13.2	Numeric	EUT ant.:	11.2	dBi
Power =	288	mW	EUT power:	24.6	dBm
Frequency =	915	MHz	MPE limit:	0.610	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3801.89	mW		3801.89	mW
R (cm) =	22.2705094		S (20cm) =	0.756	

928 MHz (Yagi antenna)

Enter Data in Linear Units					
Gain =	13.2	Numeric	EUT ant.:	11.2	dBi
Power =	295	mW	EUT power:	24.7	dBm
Frequency =	926	MHz	MPE limit:	0.617	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3890.45	mW		3890.45	mW
R (cm) =	22.3941820		S (20cm) =	0.774	