

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

902.5 MHz (9dBd omni antenna)

Enter Data in Linear Units					
Gain =	13.2	Numeric	EUT ant.:	11.2	dBi
Power =	302	mW	EUT power:	24.8	dBm
Frequency =	902	MHz	MPE limit:	0.601	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3981.07	mW		3981.07	mW
R (cm) =	22.95		S (20cm) =	0.792	mW/cm ²

915.16 MHz (9dBd omni antenna)

Enter Data in Linear Units					
Gain =	13.2	Numeric	EUT ant.:	11.2	dBi
Power =	302	mW	EUT power:	24.8	dBm
Frequency =	915	MHz	MPE limit:	0.610	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3981.07	mW		3981.07	mW
R (cm) =	22.79		S (20cm) =	0.792	mW/cm ²

927.5 MHz (9dBd omni antenna)

Enter Data in Linear Units					
Gain =	13.2	Numeric	EUT ant.:	11.2	dBi
Power =	302	mW	EUT power:	24.8	dBm
Frequency =	928	MHz	MPE limit:	0.619	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3981.07	mW		3981.07	mW
R (cm) =	22.63		S (20cm) =	0.792	mW/cm ²