

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

2402 MHz

Enter Data in Linear Units					
Gain =	1.6	Numeric	EUT ant.:	2	dBi
Power =	1	mW	EUT power:	-0.1	dBm
Frequency =	902	MHz	MPE limit:	1	mW/cm ²
Cable Loss =	0	dB			
EIRP =	1.55	mW		1.55	mW
R (cm) =	0.3510711		S (20cm) =	0.000308	

2441 MHz

Enter Data in Linear Units					
Gain =	1.6	Numeric	EUT ant.:	2	dBi
Power =	1	mW	EUT power:	-0.6	dBm
Frequency =	915	MHz	MPE limit:	1	mW/cm ²
Cable Loss =	0	dB			
EIRP =	1.38	mW		1.38	mW
R (cm) =	0.3314325		S (20cm) =	0.000	

2480 MHz

Enter Data in Linear Units					
Gain =	1.6	Numeric	EUT ant.:	2	dBi
Power =	1	mW	EUT power:	-0.4	dBm
Frequency =	927	MHz	MPE limit:	1	mW/cm ²
Cable Loss =	0	dB			
EIRP =	1.45	mW		1.45	mW
R (cm) =	0.3391525		S (20cm) =	0.000	