

MPE Calculator	Occupational/Controlled Exposure						General Population/Uncontrolled Exposure					
	OSHA		FCC		IC		OSHA		FCC		IC	
Lowest Frequency	902.000	MHz	902.000	MHz	902.000	MHz	902.000	MHz	902.000	MHz	902.000	MHz
Highest Frequency	928.000	MHz	928.000	MHz	928.000	MHz	928.000	MHz	928.000	MHz	928.000	MHz
Wavelength (lowest frequency)	0.333	m	0.333	m	0.33	m	0.33	m	0.33	m	0.33	m
Antenna aperture (1/4 wavelength radiator assumed)	0.083	m	0.083	m	0.083	m	0.083	m	0.083	m	0.083	m
Far Field Distance	4.157	cm	4.157	cm	4.16	cm	4.16	cm	4.16	cm	4.16	cm
Power (Conducted)	29.040	dBm	29.040	dBm	29.040	dBm	29.040	dBm	29.040	dBm	29.040	dBm
Ant Gain dBi	6.000	dB	6.000	dB	6.000	dB	6.000	dB	6.000	dB	6.000	dB
Cable Loss	0.000	dB	0.000	dB	0.000	dB	0.000	dB	0.000	dB	0.000	dB
EIRP dBm	35.040	dB	35.040	dB	35.040	dB	35.040	dB	35.040	dB	35.040	dB
EIRP mW	3191.538	mW	3191.538	mW	3191.538	mW	3191.538	mW	3191.538	mW	3191.538	mW
R	5.040	cm	9.130	cm	11.420	cm	5.040	cm	20.350	cm	30.000	cm
S	10.00	mW/cm ²	3.05	mW/cm ²	1.95	mW/cm ²	10.00	mW/cm ²	0.61	mW/cm ²	0.28	mW/cm ²

Occupational/Controlled Exposure Limit			inches	cm	time
OSHA	10.000	mW/cm ²	2	5	6
FCC	3.050	mW/cm ²	4	9	6
IC	1.950	mW/cm ²	4	11	6
General Population/Uncontrolled Exposure Limit					
OSHA	10.000	mW/cm ²	2	5	6
FCC	0.610	mW/cm ²	8	20	30
IC	0.280	mW/cm ²	12	30	6