

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)	32.400	dBm	32.400	dBm	32.400	dBm	32.400	dBm	32.400	dBm	32.400	dBm
Ant Gain dBi	13.990	dB	13.990	dB	13.990	dB	13.990	dB	13.990	dB	13.990	dB
Cable Loss	1.100	dB	1.100	dB	1.100	dB	1.100	dB	1.100	dB	1.100	dB
EIRP dBm	45.290	dB	45.290	dB	45.290	dB	45.290	dB	45.290	dB	45.290	dB
EIRP mW	33806.484	mW	33806.484	mW	33806.484	mW	33806.484	mW	33806.484	mW	33806.484	mW
R	16.402	cm	29.731	cm	37.105	cm	16.402	cm	66.700	cm	98.932	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	6	16	6
FCC	3.050	mW/cm ²	12	30	6
IC	1.950	mW/cm ²	15	37	6
General Population/Uncontrolled Exposure Limit					
OSHA	10.000	mW/cm ²	6	16	6
FCC	0.610	mW/cm ²	26	67	30
IC	0.280	mW/cm ²	39	99	6