

Section 1.310 Population/Uncontrolled Exposure (300 - 1500 MHz)			
Using 0dBi antenna:			
TX frequency (MHz)	mW/cm ²	Antenna from dBi to (G) numeric	dBi
835	0.55667	1	0
	E (V/m)		
P = E ² / 3770	45.8108		
			<u>Watts</u>
		Tx Maximum Output Power at Antenna Terminal:	0.529
(30 * P * G) ^{1/2}	Distance		
D = E	0.08696		
Minimum safe distance			
	(meters)	(centimeters)	
MPE:	0.08696	8.696013	
Using 2dBi antenna:			
TX frequency (MHz)	mW/cm ²	Antenna from dBi to (G) numeric	dBi
835	0.55667	1.584893192	2
	E (V/m)		
P = E ² / 3770	45.8108		
			<u>Watts</u>
		Tx Maximum Output Power at Antenna Terminal:	0.529
(30 * P * G) ^{1/2}	Distance		
D = E	0.10948		
Minimum safe distance			
	(meters)	(centimeters)	
MPE:	0.10948	10.947632	
Using 4.7dBi antenna:			
TX frequency (MHz)	mW/cm ²	Antenna from dBi to (G) numeric	dBi
835	0.55667	2.951209227	4.7
	E (V/m)		
P = E ² / 3770	45.8108		
			<u>Watts</u>
		Tx Maximum Output Power at Antenna Terminal:	0.529
(30 * P * G) ^{1/2}	Distance		
D = E	0.14939		
Minimum safe distance			
	(meters)	(centimeters)	
MPE:	0.14939	14.938954	