

RF Hazard Distance Calculation								
mW/cm2 from Table1:		1.00						
Max RF Power	TX Antenna	MPE						
P, dBm	G, dBi	Safe Distance, cm						
18.0	34.8	123.1	RadioWaves 4ft dish					
18.0	18.0	17.8	RadioWaves sector					
18.0	16.5	15.0	Telex yagi					
18.0	18.0	17.8	EA flat panel					
Basis of Calculations:					4	36.0	36.0	
$E^2/3770 = S$, mW/cm2								
E , V/m = $(P_{watts} * G_{gain} * 30)^{.5} / d$, meters								
$d = ((P_{watts} * G_{gain} * 30) / 3770 * S)^{.5}$			$P_{watts} * G_{gain} = 10^{(P_{dBm} - 30 + G_{dBi}) / 10}$					
NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm,								
even if calculations indicate MPE distance is less								