

Watkins Johnson								
UNII Transceiver								
FCC ID: NTTSX1127								
						Calculate mW/cm2 here. Enter freque		
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Tab		
								Controlled
								Ave 6 min
mW/cm2 from Table1:		1.00				F(MHz)	Actual F, MHz	Occ, mW/c2
						0.3-3	1	100.0
Max RF Powe	TX Antenna	MPE				3.0 - 30.0	30	30.0
P, dBm	G, dBi	Safe Distance, cm				30.0-300	20	1.0
						300-1500	454	1.5
13.3	17.5	9.8				1500-100000	1500	5.0
15.0	8.0	4.0						
0.0	0.0	0.3						
0.0	0.0	0.3						
0.0	0.0	0.3				Enter P(wattEquivalent dBm		
0.0	0.0	0.3						
0.0	0.0	0.3						
0.0	0.0	0.3						
0.0	0.0	0.3						
Basis of Calculations:						2	33.0	
E^2/3770 = S, mW/cm2								
E, V/m = (Pwatts*Ggain*30)^.5/d, meters								
d = ((Pwatts*G*30)/3770*S))^0.5			Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)					
NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm,								
even if calculations indicate MPE distance is less								

