

UNII Radios					
Applicant: Wireless Inc.					
FCC IDs: EV9N2X5-3S1-16B, EV9N2X5-7S1-16B					
RF Hazard Distance Calculation					
Exposure, mW/cm2:		1.0			
Max RF Power	TX Antenna	MPE	Gabriel		
P, dBm	G, dBi	Safe Distance, cm	Antenna Model		
0.0	28.1	7.2	SSPS-52AR1		
0.0	28.1	7.2	SSD2-52AR1		
12.0	17.5	8.4	DFPD.5-52		
4.0	23.0	6.3	DFPD1-52		
0.0	27.5	6.7	DFPD2-52		
Basis of Calculations:					
$E^2/3770 = S, \text{ mW/cm}^2$					
$E, \text{ V/m} = (\text{Pwatts} * \text{Ggain} * 30)^{.5} / d, \text{ meters}$					
$d = ((\text{Pwatts} * \text{G} * 30) / 3770 * S)^{.5}$ $\text{Pwatts} * \text{Ggain} = 10^{(\text{Pd} \text{Bm} - 30 + \text{GdBi}) / 10}$					
NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less					