

Silver Spring Networks					
FCC ID: OWS-NIC511					
902-928 MHz FHSS Radio					
	Distance, cm	Distance, cm	Distance, cm		
	Center meter	Left Meter	Right Meter		
	29	33.12	33.12		
mW/cm2 from Table1: 0.60 0.6 0.6					
Max RF Power P, dBm	TX Antenna G, dBi	MPE distance cm	S, mW/cm	Comment	
29.86	4.00	18.0	0.230	Center Meter contribution	
29.86	4.00	18.0	0.176	Left Meter contribution	
29.86	4.00	18.0	0.176	Right meter contribution	
	<b>Worst Case</b>	<b>RFx total</b>	38.4%	% center	<b>900 MHz</b>
			29.4%	% left	900 MHz
			29.4%	% right	900 MHz
		TOTAL	97.2%	<100%	
<b>Basis of Calculations:</b>					
$E^2/3770 = S, \text{ mW/cm}^2$					
$E, \text{ V/m} = (\text{Pwatts} * \text{Ggain} * 30)^{.5} / d, \text{ meters}$					
$d = ((\text{Pwatts} * \text{G} * 30) / 3770 * S)^{.5}$					
$S@20\text{cm} = 20 \log (\text{MPE dist} / 20\text{cm})$					
<b>NOTE: For mobile or fixed location transmitters, minimum separation distance is for FCC compliance is 20 cm, even if calculations indicate MPE distance is less</b>					

