

Silver Spring Networks					
FCC ID: OWS-NIC508					
902-928 MHz DTS Radio					
	Distance, cm	Distance, cm	Distance, cm		
	Center meter	Left Meter	Right Meter		
	23	28.02	28.02		
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	
25.30	2.40	8.8	0.089	Center Meter	contribution
29.86	4.00	18.0	0.247	Left Meter	contribution
29.86	4.00	18.0	0.247	Right meter	contribution
		TOTAL	0.58		
	Worst Case	RFx total	14.8%	% center	900 MHz
			41.1%	% left	900 MHz
			41.1%	% right	900 MHz
		TOTAL	96.9%	<=100%	
Basis of Calculations:					
$E^2/3770 = S, \text{ mW/cm}^2$					
$E, \text{ V/m} = (P_{\text{watts}} * G_{\text{gain}} * 30)^{.5} / d, \text{ meters}$					
$d = ((P_{\text{watts}} * G_{\text{gain}}) / (3770 * S))^{.5}$					
$S_{@20\text{cm}} = 20 \log (MPE \text{ dist} / 20\text{cm})$					
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					

