

Silver Spring Networks					
FCC ID: OWS-NIC508					
2.4 GHz DTS Radio					
		Distance, cm	Distance, cm	Distance, cm	
		Center meter	Left Meter	Right Meter	
		21	26.40	26.40	
mW/cm2 from Table1:		1.00	0.6	0.6	
Max RF Power P, dBm	TX Antenna G, dBi	MPE distance cm	S, mW/cm	Comment	
23.50	1.50	5.0	0.057	Center Meter	contribution
29.86	4.00	18.0	0.278	Left Meter	contribution
29.86	4.00	18.0	0.278	Right meter	contribution
Worst Case		RFx total	5.7%	% center	2.4 GHz
			46.3%	% left	900 MHz
			46.3%	% right	900 MHz
		TOTAL	98.3%	<=100%	
Basis of Calculations:					
$E^2/3770 = S, \text{ mW/cm}^2$					
$E, \text{ V/m} = (\text{Pwatts} * \text{Ggain} * 30)^{.5} / d, \text{ meters}$					
$d = ((\text{Pwatts} * \text{G} * 30) / (3770 * S))^{.5}$					
$S@20\text{cm} = 20 \log (\text{MPE dist} / 20\text{cm})$					
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					

