

<b>Silver Spring Networks</b>											
<b>FCC ID: OWS-NIC714</b>											
Calculate mW/cm2 here. Enter frequency in MHz:											
Calculation of Limits from 1.1310 Table 1											
<b>S1 for 900 MHz</b>		<b>0.60</b>	maximum	<b>Manual RFX Dist:</b>		20	cm			Controlled	Uncontrolled
<b>S3 for 2.4 GHz</b>		<b>1.00</b>	maximum					F(MHz)	<b>Actual F, MHz</b>	Occ, mW/c2	Gen, mW/cm2
Max RF Power	TX Antenna	MPE distance	S, mW/cm2	S, mW/cm2 at	Comment 1	Comment 2	3.0 - 30.0	0.5		100.0	100.0
P, dBm	G, dBi	cm	at 20 cm dist	20			<b>30.0-300</b>	<b>55</b>		<b>180.0</b>	<b>36.0</b>
				cm			<b>300-1500</b>	<b>902</b>		<b>3.0</b>	<b>0.60</b>
29.6	3.00	15.5	0.36	0.359	900 MHz FHSS	External antenna	1500-100000	5805		5.0	1.0
22.7	3.6	5.8	0.09	0.085	2.4 GHz FHSS	External antenna					
							<b>Enter P(mW)</b>	Equivalent dBm	<b>Enter dBm</b>	Equivalent Watts	
							% 900MHz RFX	59.8%			
							% 2.4 GHz RFX	8.5%			
							Total RFX	68.33%			
<b>Basis of Calculations:</b>							<b>555</b>	<b>27.44</b>	<b>29.52</b>	895.4	
E^2/3770 = S, mW/cm2											
E, V/m = (Pwatts*Ggain*30)^.5/d, meters											
d = ((Pwatts*G*30)/3770*S)^.5 Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)											
S@dist2 = S@MPEdist(MPE/dist2)^2											
<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>											