

Silver Spring Networks											
FCC ID: OWS-NIC40						Calculate mW/cm2 here. Enter frequency in MHz:					
						Calculation of Limits from 1.1310 Table 1					
S1 for 900 MHz		0.60	maximum	Manual RFx Dist:		20	cm			Controlled	Uncontrolled
S2 for 2400 MHz		1.00	maximum					F(MHz)	Actual F, MHz	Occ, mW/c2	Gen, mW/cm2
Max RF Power	TX Antenna	MPE distance	S, mW/cm2	S, mW/cm2 at	Comment 1	Comment 2	0.3-3	0.5		100.0	100.0
P, dBm	G, dBi	cm	at 20 cm dist	20			3.0 - 30.0	5		180.0	36.0
				cm			30.0-300	55		1.0	0.2
28.3	3.00	13.4	0.27	0.270	900 MHz FHSS		300-1500	902		3.0	0.60
24.2	3.6	6.9	0.12	0.121	2.4 GHz FHSS		1500-100000	5805		5.0	1.0
								Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts
				% 900MHz RFx	45.0%						
				% 2.4 GHz RFx	12.1%						
				Total RFx	57.11%						
Basis of Calculations:								555	27.44	29.52	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											
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											