

Sonos Inc.									
FCC ID: SBVRM000									
IC: 5373A-RM000									
2.4 GHz 802.11 b/g transceiver						Calculate mW/cm2 here. Enter frequency in MHz:			
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Table 1			
								Controlled Ave 6 min	Uncontrolled Ave 30 min
mW/cm2 from Table1:		1.00				F(MHz)	Actual F, MHz	Occ, mW/c2	Gen, mW/cm2
						0.3-3	0.5	100.0	100.0
Max RF Power	TX Antenna	MPE distance	S, mW/cm@	Comment		3.0 - 30.0	5	180.0	36.0
P, dBm	G, dBi	cm	at 20 cm			30.0-300	55	1.0	0.2
						300-1500	902	3.0	0.60
17.78	1.50	2.6	0.02	ZP100		1500-100000	5555	5.0	1.0
17.78	2.50	2.9	0.02	ZP80					
17.78	4.50	3.7	0.03	CR100					
						Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts
Basis of Calculations:						60	17.78	17.78	60.0
E^2/3770 = S, mW/cm2									
E, V/m = (Pwatts*Ggain*30)^.5/d, meters									
d = ((Pwatts*G*30)/(3770*S))^0.5		Pwatts*Ggain = 10^(PdBM-30+GdBi)/10)							
S@20cm = 20 log (MPE dist/20cm)									
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									