

Airgo 802.11a/b/g/ True MIMO Type 3b mini PCI module								
FCC ID:	SA3- AGN1012MP0200							
RF Hazard Distance Calculation								
mW/cm2 from Table1:		1.00	(E: 61 V/m)					
Max RF Power	TX Antenna	MPE	MPE, inches	Comment				
P, dBm	G, dBi	Safe Distance, cm						
29.4	3.0	11.7	4.6	g mode max				
26.0	4.0	8.9	3.5	a mode max				
20.0	0.0	2.8	1.1					
Basis of Calculations:								
$E^2/3770 = S$, mW/cm2								
E , V/m = $(P_{\text{watts}} * G_{\text{gain}} * 30)^{.5} / d$, meters								
$d = ((P_{\text{watts}} * G * 30) / 3770 * S)^{.5}$			$P_{\text{watts}} * G_{\text{gain}} = 10^{(P_{\text{dBm}} - 30 + G_{\text{dBi}}) / 10}$					
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								