

Alvarion									
FCC ID: LKT-BNETB-58									
5.8 GHz Point to Point Radio					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
Max RF Power P, dBm	TX Antenna G, dBi	MPE distance cm	S, mW/cm@ at 20 cm	Comment	0.3-3 3.0 - 30.0 30.0-300 300-1500 1500-100000	0.5 5 55 902 5555	100.0 180.0 1.0 3.0 5.0		100.0 36.0 0.2 0.60 1.0
25.6	28.00	135.0	45.57						
					Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts	
Basis of Calculations:					895.4	29.52	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@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									