

Alvarion Ltd.									
5250-5350 MHz									
FCC ID:	LKT-VL-53					Calculate mW/cm2 here. Enter frequency in MHz:			
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Table 1			
								Controlled	Uncontrolled
								Ave 6 min	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	MPE, inches		3.0 - 30.0	5		180.0	36.0
P, dBm	G, dBi	Safe Distance, cm			30.0-300	55		1.0	0.2
					300-1500	555		1.9	0.37
1.0	28.0	8.0	3.1		1500-100000	5555		5.0	1.0
8.0	21.0	8.0	3.1						
14.2	15.0	8.1	3.2						
					Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts	
Basis of Calculations:					26.3	14.2	14.2	26.3	
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)					
NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less									