

Alvarion Ltd.									
FCC ID: LKT-BMAX-BA23									
2.3 GHz Base Station						Calculate mW/cm2 here. Enter frequency in MHz			
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Table 1			
									Control
									Ave 6
mW/cm2 from Table1:		1.00				F(MHz)	Actual F, MHz		Occ,
						0.3-3	0.5		10
Max RF Power	TX Antenna	MPE distance	S, mW/cm@	Comment		3.0 - 30.0	5		18
P, dBm	G, dBi	cm	at 20 cm			30.0-300	55		1
						300-1500	902		3
36.10	16.50	120.3	36.20	Outdoor mount		1500-100000	5555		5
Basis of Calculations:						895.4	29.52	29.52	
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									