

Alvarion Ltd.								
FCC ID: LKT-BMAX-SU23								
2.3 GHz SiCPE					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
19.50	14.50	14.1	0.50		1500-100000	5555		5
					Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent
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								