

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				
							Controlled		Uncontrolled
mW/cm2 from Table1:		1.00			F(MHz)	Actual F, MHz	Ave 6 min	Ave 30 min	
					0.3-3	0.5	Occ, mW/c2	Gen, mW/cm2	
Max RF Power	TX Antenna	MPE distance	S, mW/cm@	Comment	3.0 - 30.0	5	100.0	100.0	
P, dBm	G, dBi	cm	at 20 cm		30.0-300	55	180.0	36.0	
					300-1500	896	3.0	0.60	
17.80	24.00	34.7	3.01		1500-100000	5555	5.0	1.0	
					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)									
<b>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</b>									