

MPE Calculations								
Alvarion Ltd								
FCC ID: LKT-IF-VL								
Maxrad MFB58008					Calculate mW/cm2 here. Enter frequency i			
RF Hazard Distance Calculation					Calculation of Limits from 1.1310 Table 1			
mW/cm2 from Table1:			1.00			F(MHz)	Actual F, MHz	
						0.3-3	0.5	
Max RF Powe	TX Antenna	MPE				3.0 - 30.0	5	
P, dBm	G, dBi	Safe Distance, cm				30.0-300	55	
						300-1500	555	
28.0	8.0	17.8				1500-100000	5555	
						Enter P(watts)	Equivalent dBm	Enter dBm
Basis of Calculations:					4	36.0	36.0	
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)					
NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less								

[illegible]