Alvarion MPE Calculations								
FCC ID: LKT-IF-900								
						Calculate mW/cm2 here. Enter frequenc		
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Table 1		
mW/cm2 from Table1:		**0.60**				F(MHz)	**Actual F, MHz**	
						0.3-3	0.5	
Max RF Powe	TX Antenna	MPE	Cable	Model	POWER INDE	*3.0 - 30.0*	*5*	
P, dBm	G, dBi	Safe Distance, cm				**30.0-300**	**55**	
(ant. Term)						*300-1500*	*902*	
						1500-100000	5555	
22.8	**14.6**	**27.0**	1ftSMA/N cabl	IF-900	14			
22.5	**14.6**	**26.0**	10 ft LMR400	IF-900	14			
24.5	**14.6**	**32.8**	100ft LMR 400	IF-900	15	**Enter P(watts)**	Equivalent dBr	**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								

Uncontrolled	
Ave 30 min	
Gen, mW/cm2	
100.0	
36.0	
0.2	
0.60	
1.0	
atts	