Tropos Networks										
FCC ID: LKT-VL-54C										
U-NII Wireless Bridge						**Calculate mW/cm2 here. Enter frequency in MHz**				
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Table 1				
									Contr	
									Ave 6	
mW/cm2 from Table1:		**1.00**				F(MHz)	**Actual F, MHz**		Occ,	
						0.3-3	0.5		1(	
Max RF Powe	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*	
7.0	23.00	8.9	0.20			1500-100000	5555		5	
						Enter P(mW)	Equivalent dBr	**Enter dBm**	Equiv	
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										