

Alvarion LTD									
FCC ID: LKT-BA-4900									
4900 MHz Part 90 Public Service Band				Calculate mW/cm2 here. Enter frequency in MHz:					
				Calculation of Limits from 1.1310 Table 1					
								Controlled Ave 6 min	Uncontrolled Ave 30 min
mW/cm2 from Table1:		1.00	(E: 61 V/m)		F(MHz)	Actual F, MHz		Occ, mW/c2	Gen, mW/cm2
					0.3-3	0.5		100.0	100.0
Max RF Power	TX Antenna	MPE distance			3.0 - 30.0	5		180.0	36.0
P, dBm	G, dBi	cm			30.0-300	55		1.0	0.2
					300-1500	555		1.9	0.37
21.9	27.0	78.7			1500-100000	5555		5.0	1.0
					Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts	
Basis of Calculations:					64	18.1	18.1	64.6	
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)									
NOTE:	RF exposure will be addressed by the licensee at time of installation								