

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								