

Alvarion Ltd. Class 2 permissive change						
FCC ID: LKT-VL-IF						
RF Hazard Distance Calculation						
mW/cm2 from Table1:				1.00		
Max RF Power	TX Antenna	MPE	MPE, inches			
P, dBm	G, dBi	Safe Distance, cm				
28.0	31.2	257.3	101.3			
28.0	28.0	178.0	70.1			
Basis of Calculations:						
$E^2/3770 = S$, mW/cm2						
$E, V/m = (P_{watts} * G_{gain} * 30)^{.5} / d$, meters						
$d = ((P_{watts} * G * 30) / 3770 * S)^{.5}$			$P_{watts} * G_{gain} = 10^{(Pd_{Bm} - 30 + Gd_{Bi}) / 10}$			
NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm,						
even if calculations indicate MPE distance is less						