

<b>Alvarion Ltd.</b>									
<b>5250-5350 MHz</b>									
<b>FCC ID:</b>	LKT-VL-53					<b>Calculate mW/cm2 here. Enter frequency in MHz:</b>			
<b>RF Hazard Distance Calculation</b>				Calculation of Limits from 1.1310 Table 1					
							Controlled	Uncontrolled	
							Ave 6 min	Ave 30 min	
<b>mW/cm2 from Table1:</b>		<b>1.00</b>			F(MHz)	<b>Actual F, MHz</b>	Occ, mW/c2	Gen, mW/cm2	
					0.3-3	0.5	100.0	100.0	
Max RF Power	TX Antenna	MPE	MPE, inches		3.0 - 30.0	5	180.0	36.0	
P, dBm	G, dBi	Safe Distance, cm			<b>30.0-300</b>	<b>55</b>	<b>1.0</b>	<b>0.2</b>	
					300-1500	555	1.9	0.37	
<b>1.0</b>	<b>28.0</b>	<b>8.0</b>	<b>3.1</b>		1500-100000	5555	5.0	1.0	
<b>8.0</b>	<b>21.0</b>	<b>8.0</b>	3.1						
<b>14.2</b>	<b>15.0</b>	<b>8.1</b>	3.2						
					<b>Enter P(mW)</b>	Equivalent dBm	<b>Enter dBm</b>	Equivalent Watts	
<b>Basis of Calculations:</b>					<b>26.3</b>	<b>14.2</b>	<b>14.2</b>	<b>26.3</b>	
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)					
<b>NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less</b>									